IUNS 21st ICN International Congress of Nutrition

“From Sciences to Nutrition Security”

Buenos Aires • Argentina • 15-20 October 2017
Sheraton Buenos Aires Hotel & Convention Center

Programme
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Dear Colleagues and Friends,

The Argentine Society of Nutrition, founded in 1941 by Professor Pedro Escudero, was confirmed at the organizing entity of the 21st IUNS International Congress, 4 years ago, during the 20th IUNS ICN, which took place in Granada, Spain. We thank all the board members from the IUNS Executive Committee for having honoured us with this responsibility.

During these past four years we have worked intensely, giving our very best, learning from each step leading to the 21st Congress. Being there such few days left before our grand opening, we trust that the work of hundreds of people who have collaborated on the scientific programme, will translate into our practice of improving the nutritional safety of our communities, expressed in the congress’ theme “From Sciences to Nutritional Security.”

The presence of world renown experts on each of the 8 tracks in which the Congress is divided provides a unique context to dive deep into the specific aspects of Nutritional security, and reflect on the lessons learned, and on good practices.

Likewise, we wish that all presentations and debate spark new questions, new hypotheses and the enthusiasm to embark on investigations that expand the frontiers of knowledge within Nutrition Sciences.

It is time to thank all of those who have helped us in this process.

We wish to thank all governmental entities for their collaboration and support. Additionally, we must thank our Executive Committee for their sustained and kind support during the decision-making processes, specially Professors Dr. J. Alfredo Martínez and Dr. Ángel Gil, who provided us with their expertise and knowledge for the creation of the Program.

Furthermore, we would like to recognize the efforts of our Scientific Committees, both local and international, for their sensible work in revising the contents of symposia and abstracts. Efforts as appreciated as those of each researcher who decided to share their results in our Congress, and of every team from the industries which decided to accept our proposal and become a part of it.

Finally, to every member of the Organizing Committee, and the members of the Argentine Nutrition Society’s Secretary, whose permanent effort and dedication have made this even possible, we extend our greatest appreciation.

To all participants of this 21st ICN we extend a brotherly hug, and our warmest welcome.

We hope to satisfy your interests and expectations, and that you may enjoy and take advantage of the scientific program in a rich multicultural environment.

See you soon in Buenos Aires!

Dr. Mabel Alicia Brígida Carrera
President of the IUNS 21st International Congress of Nutrition (ICN)
COMMITTEES

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  President of the Iberomerican Nutrition Foundation (FINUT). Full Professor Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology, University of Granada.

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  Professor of International Health and of Maternal and Child Health (Bloomberg School of Public Health), and Professor of Pediatrics (School of Medicine) at Johns Hopkins University.

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  General practitioner. Expert in Nutrition. Head of Nutrition unit of the José de San Martín Hospital.

- Dr. Ascensión Marcos Sánchez
  Institute of Science and Technology of Health and Nutrition. CSIC. Madrid. Spain.

- Dr. Reynaldo Martorell
  IUNS Council Member. Specialist in global health concerns, hunger, malnutrition, and the health implications of changes in diet and lifestyles in developing countries.

- Dr. Lynnette M. Neufeld
  IUNS Council Member. Director of Monitoring, Learning and Research at the Global Alliance for Improved Nutrition (GAIN). Canada.

- Dr. Olga Ramos
  Doctor graduated from Buenos Aires University (UBA). Pediatrician degree awarded by Argentine Pediatrician Society. Specialist in Nutrition degree from the School of Medicine of the University of Buenos Aires.

- Dr. Nora Slobodianik
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MD, Universidad de Buenos Aires -UBA (Buenos Aires School of Medicine). Nutrition Specialist. Head of the Post Graduate Nutrition and Obesity Specialist Course. Favaloro University Buenos Aires Argentina.

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• Dr. Susana Socolovsky

• B.S. María Inés Somoza

• Dr. Marcela Stambullian

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• Dr. Claudio Szymula
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• Dr. Liliana Trifone
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  Agronomist Engineer of the National University of Buenos Aires. Former Chief of practical work Chair of Microbiology Faculty of Agronomy (UNBA)

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  Vicepresident of the European Federation of Nutrition Societies (FENS).

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• **Dr. Benjamín Caballero**
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• **Dr. Philip C. Calder**
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• **Dr. Ruth Charrondiere**
  Nutritionist. FAO Rome, Italy. Global INFOODS Coordinator. Chair of IUNS Task Force on INFOODS. Recipient of Nevin Scrimshaw Award in 2015

• **Dr. Myung-Sook Choi**
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  Director of INTA, University of Chile.
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  Coordinator. Growth Assessment and Surveillance Unit. Department of Nutrition. World Health Organization.

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• Dr. Lynnette R. Ferguson

• Dr. Any Ferreira-Heyn de Saguier

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• Dr. Catherine Geissler
  Secretary General of the International Union for Nutritional Sciences (IUNS). United Kingdom.

• Dr. Ángel Gil
  President of the Iberomerican Nutrition Foundation (FINUT). Full Professor Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada.

• Dr. Paulo Giorelli

• Dr. Mirjana Gurinovic

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  Department of Pharmacology and Toxicology. Faculty of Medicine. Medical University. Sofia. Bulgaria.
- Dr. Manuel Hernández-Triana
  Specialist, senior researcher, and full professor in biochemistry at the Faculty of Medicine, University of Havana.

- Dr. Helmut Heseker

- Dr. Frank Hu
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- Dr. Esther Infanger
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- Dr. Hisanori Kato
  Project Professor. Organization for Interdisciplinary Research Projects. The University of Tokyo.

- Dr. Cecily Kelleher

- Dr. Zohar Kerem
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- Dr. Martin Kohlmeier

- Dr. Duo Li

- Dr. Xu Lin
  Ph.D., Professor. Laboratory of Human Nutrition and Related Diseases, Institute of Nutritional Sciences, Shanghai Institutes for Biological Sciences, China

- Dr. Julie Lovegrove
  Professor of Human Nutrition. University of Reading. United Kingdom.

- Dr. Ian MacDonald
  Professor of Metabolic Physiology. University of Nottingham. Head of School of Life Sciences. Northern Ireland.

- Dr. Mark L. Wahlqvist
  Emeritus Professor. Former Professor and Head of Medicine at Prince Henry’s Hospital and Monash Medical Centre. Associate Dean (International Health and Development) and Director of the Asia Pacific Health and Nutrition Centre. Australia.

- Dr. Francisco José Mardones Santander

- Dr. Reynaldo Martorell
  Specialist in global health concerns, hunger, malnutrition, and the health implications of changes in diet and lifestyles in developing countries.
· Dr. Purmina Menon  
Senior Research Fellow in IFPRI’s Poverty, Health and Nutrition Division. India.

· Dr. Teuro Miyazawa  
Project Leader and Professor of Food and Biotechnology Innovation Project, New Industry Creation Hatchery Center (NICHe), Tohoku University, Sendai, Japan.

· Dr. Marja Mutanen  
Professor of Nutritional Physiology. Department of Food and Environmental Sciences. University of Helsinki. Finland.

· Dr. Godwin D. Ndossi  
IUNS Council Member.

· Dr. Lynnette M. Neufeld  
IUNS Council Member. Director of Monitoring, Learning and Research at the Global Alliance for Improved Nutrition (GAIN). Canada.

· Dr. Shane Norris  
PhD. Wits University, Faculty of Health Sciences, Physiology. Epidemiology. Nutrition and Dietetics. Johannesburg

· Dr. Veronique Pallet  
Bordeaux Institut National Polytechnique.

· Dr. Fátima Pérez De Heredia Benedicte  
Lecturer in Physiology. Liverpool John Moores University. Liverpool. UK.

· Dr. Vishweshwaraih Prakash  
Central Food Technological Research Institute. United Nations University. Programme at CFRI Mysore. India.

· Dr. Michael Pratt  
Professor in the Hubert Department of Global Health, Rollins School of Public Health, Emory University in Atlanta, USA

· Dr. Andrew M. Prentice  
Director of the MRC International Nutrition Group. London School of Hygiene & Tropical Medicine (LSHTM).

· Dr. Rita P. Ramán  
Professor of Pediatrics at the University of Oklahoma Health Sciences Center and Attending Neonatologist at The Children’s Hospital Neonatal Intensive Care Unit.

· Dr. Pingfan Rao  
Professor & Director, CAS.SIBS-Zhejiang Gongshang University Joint Center for Food & Nutrition Research, Hangzhou, China. Immediate Past President, International Union of Food Science and Technology.

· Dr. Durval Ribas-Filho  
Lecturer at the Fundação Faculdade de Medicina São José do Rio Preto. Postgraduate lecturer of Nutrology of the Brasilian Nutrology Association. Nutrology Lecturer at the School of Medicine at Fundação Padre Albino.

· Dr. Juan Ángel Rivera-Dommarco  

· Dr. Swapan Kumar Roy  
Senior Scientist. Chairperson, BOT. Bangladesh Breastfeeding Foundation (BBF). Bangladesh.
• Dr. Harshpal Singh Sachdev

• Dr. José Luis Santos-Martín
Department of Nutrition, Diabetes and Metabolism. School of Medicine. The Pontificia Universidad Católica of Chile.

• Dr. Malgorzata Schlegel-Zawadzka

• Dr. D. Mauro Serafini
Highly Cited Researchers in Agriculture (Source: Thomson Reuters). Head of Functional Food and Metabolic Stress Prevention Laboratory. Center for Food and Nutrition, CREA, Rome, Italy. Invited Professor of Human Nutrition. Faculty of Food Technology.

• Dr. Lluís Serra-Majem
University of Las Palmas de Gran Canaria. President of the Spanish Academy of Nutrition and Food Science. Spain.

• Dr. Olga María Silverio Amancio
Brazilian Society of Food and Nutrition. SBAN. Brazil.

• Dr. Liseti Solano

• Dr. Noel W. Solomons
Centre for Studies of Sensory Impairment, Aging and Metabolism (CeSSIAM). Guatemala.

• Dr. Shawn Somerset
Public Health Discipline Lead, and Deputy Head, School of Allied Health. Australian Catholic University. Brisbane, Australia.

• Dr. Ricardo Uauy
University of Chile & Department of Public Health Nutrition. London School of Hygiene and Tropical Medicine. University of London. United Kingdom.

• Dr. Emorn Udomkesmalee

• Dr. Roxana Valdes-Ramos
Centre for Research and Graduate Studies in Health Sciences. Faculty of Medicine. Autonomous University of Mexico D.F. Mexico.

• Dr. Helio Vannucchi
Bachelor, Master and Doctor of Medicine, Professor at the University of São Paulo, Brazil (FMRP-USP)

• Dr. Salimata Wade
Department of Animal Biology. Faculty of Sciences and Technologies. Cheikh Anta Diop University of Dakar. Senegal.

• Dr. Julia Wärnberg
Department of Preventive Medicine and Public Health. University of Navarra. Pamplona. Spain

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Pro-Vice Chancellor (Enterprise) at the University of Reading.
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National Institute of Nutrition and Food Safety Chinese Centre for Disease Control and Prevention
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• Nelly Mercedes Zavaleta-Pimentel
National Center of Food and Nutrition at NIH/MOH. Lima. Peru.

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• Prof. Godwin Ndossi (Tanzania)

The IUNS Council meeting room has been allocated in Room Martín Fierro B on the 2nd floor.

IUNS Meetings & Assembly

Saturday, October 14
09:30 – 18:00 hrs
Sheraton Buenos Aires Hotel & Convention Center
IUNS Council Meeting
IUNS Meeting Room - Martín Fierro B

Sunday, October 15
16:00 – 18:00 hrs
Sheraton Buenos Aires Hotel & Convention Center
IUNS Council Meeting
IUNS Meeting Room - Martín Fierro B
14:00 – 16:00 hrs
Sheraton Buenos Aires Hotel & Convention Center
IUNS Early Career Travel Grants Meeting
Room 12 – Atalaya

Monday, October 16
19:00 – 21:00 hrs
Sheraton Buenos Aires Hotel & Convention Center
IUNS General Assembly, Part I
Room 3 - Libertador B

Wednesday, October 18
19:00 - 21:00 hrs
Sheraton Buenos Aires Hotel & Convention Center
IUNS General Assembly, Part II
Room 3 - Libertador B

Friday, October 18
13:00 – onwards
Sheraton Buenos Aires Hotel & Convention Center
IUNS Council Meeting
IUNS Meeting Room - Martín Fierro B

SAN COUNCIL
Board of Directors

President:
Dr. Lisandro A. García

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Dr. María Elena Rodríguez

Alternat members:
Dr. Mónica Katz
Lic. Lars Erik Salazar
Scientific Subcommittee

Coordinator:
Dr. Alicia García

Members:
Dr. Fernando Brites
Dr. Ana María Cappelletti
Dr. Eduardo Esteban
Dr. Mabel Ferraro
Dr. Gustavo Frechtel
Dr. Carlos A. González Infantino
Dr. Hugo Montemerlo
Dr. Olga Ramos
Dr. Maria Elena Torresani

The SAN Council meeting room has been allocated in Room Martín Fierro A on the 2nd floor.

PLENARY & SPECIAL LECTURES

Plenary Lectures

Sunday, October 15

Plenary Room (Libertador A+B+C)
Prof. Andrew M. Prentice

Monday, October 16
10.30 - 11.15 h. - Plenary session: Zinc Transporter Functions in Health and Disease

Plenary Room (Libertador A+B+C)
Prof. Robert J. Cousins

Tuesday, October 17
10.30 - 11.15 h. - Plenary session: Humans vs Obesity: Who will win?

Plenary Room (Libertador A+B+C)
Prof. Benjamin Caballero

Wednesday, October 18
10.30 - 11.15 h. - Plenary session: IUNS Lifetime Award: From Treating Childhood Malnutrition to Public Health Nutrition

Plenary Room (Libertador A+B+C)
Prof. W. Philip T. James
Thursday, October 19

10.30 - 11.15 h. - Plenary session: Building and implementing evidence based nutrition policy

Plenary Room (Libertador A+B+C)
Dr. Juan Ángel Rivera Dommarco

Friday, October 20

10.30 - 11.30 h. - Closing Lecture: Our quest for healthy diets: the role of Nutrition Scientists

Plenary Room (Libertador A+B+C)
Prof. Anna Lartey

Special Lectures

Monday, October 16

14.30 - 15.00 h. - Special Lecture: The Nutrition Transition and Food System Dynamics: The Accelerating Speed of Change

Room 1 - San Telmo
Prof. Barry M. Popkin

14.30 - 15.00 h. - Special Lecture: Microbiota and Obesity

Room 2 - Libertador C
Prof. J. Alfredo Martinez

14.30 - 15.00 h. - Special Lecture: Declining consumption of added sugars and sugar-sweetened beverages in Australia: a challenge for obesity prevention

Room 3 - Libertador B
Prof. Jennie Brand-Miller

14.30 - 15.00 h. - Special Lecture: The Chain of Food Science and Technology, Nutrition and Engineering Links in addressing issues of Lifestyle and Health---FARM to FOLK

Room 4 - Libertador A
Prof. Vishwesihwarlaiah Prakash

14.30 - 15.00 h. - Special Lecture: New insights into obesity prevention in children and adolescents

Room 5 - La Pampa
Prof. Luis A. Moreno Aznar

14.30 - 15.00 h. - Special Lecture: Molecular mechanisms of action of probiotics

Room 6 - Catalinas
Prof. Ángel Gil
14.30 - 15.00 h. - Special Lecture: Nutrition-sensitive agriculture – what does it mean and which impact it can have in addressing actual malnutrition problems

Room 7 - Retiro C
Dr. Ruth Charrondiere

14.30 - 15.00 h. - Special Lecture: Weight loss using a healthy diet and exercise promotion to prevent cardiovascular disease: The PREDIMED-Plus trial

Room 8 - Retiro B
Prof. Jordi Salas Salvadó

14.30 - 15.00 h. - Special Lecture: Beneficial effect of probiotics consumption on the Immune System

Room 9 - Retiro A
Prof. Gabriela Perdigón

14.30 - 15.00 h. - Special Lecture: Non-alcoholic fatty liver

Room 10 - Auditorium
Dr. Lisandro A. García

Tuesday, October 17

14.30 - 15.00 h. - Special Lecture: What the world can learn from Mexico’s battle against obesity: the process, results, push backs and future challenges

Room 1 - San Telmo
Dr. Simon Barquera

14.30 - 15.00 h. - Special Lecture: Immunonutrition and determinants of lifestyle

Room 2 - Libertador C
Prof. Ascensión Marcos

14.30 - 15.00 h. - Special Lecture: Invoking the Base of the Iceberg: Origins and Consequences of Endemic Short-Stature (erroneously termed “Chronic Undernutrition”)

Room 3 - Libertador B
Prof. Noel W. Solomons

14.30 - 15.00 h. - Special Lecture: Impact of Early Life Nutrition on the Gut Microbiome and Host-Microbe Interactions in the Human Infant

Room 4 - Libertador A
Prof. Sharon Donovan

14.30 - 15.00 h. - Special Lecture: Challenges in the care of children and adolescents with type 1 diabetes

Room 5 - La Pampa
Dr. Carmen Mazza
14.30 - 15.00 h. - Special Lecture: Feeding the immune system: the Danone International Prize for Nutrition 2016
   Room 6 - Catalinas
   Prof. Philip C. Calder

14.30 - 15.00 h. - Special Lecture: Investing in Nutrition: What will we buy?
   Room 7 - Retiro C
   Dr. Meera Shekar

14.30 - 15.00 h. - Special Lecture: Sustainable diet for a sustainable weight
   Room 8 - Retiro B
   Prof. Anne Raben

14.30 - 15.00 h. - Special Lecture: Meal pattern analysis: New insight into dietary pattern and their health consequences
   Room 9 - Retiro A
   Prof. Heiner Boeing

14.30 - 15.00 h. - Special Lecture: Nutrition early in life: programs and interventions and the impact along the lifecourse
   Room 10 - Auditorium
   Dr. Pablo Durán

Wednesday, October 18

14.30 - 15.00 h. - Special Lecture: Enabling and disabling health systems through food systems
   Room 1 - San Telmo
   Prof. Mark L Wahlqvist

14.30 - 15.00 h. - Special Lecture: How to make the most of high-density genetic data for human nutrition research
   Room 2 - Libertador C
   Prof. Martin Kahlmeier

14.30 - 15.00 h. - Special Lecture: Stunting: challenges in estimating prevalence and potential solutions
   Room 3 - Libertador B
   Dr. Joel Conkle

14.30 - 15.00 h. - Special Lecture: Heterogeneity in response to nutrition interventions during the first thousand days: evidence from randomized controlled trials using lipid-based nutrient supplements for mothers and infants in Africa and South Asia
   Room 4 - Libertador A
   Dr. Kathryn G. Dewey
14.30 - 15.00 h. - Special Lecture: Nutrition and Inflammation: Put Out the Fire

Room 5 - La Pampa
Dr. Sylvia Escott-Stump

14.30 - 15.00 h. - Special Lecture: Olive polyphenols – important mediators of health benefits of the Mediterranean diet?

Room 6 - Catalinas
Prof. Ian Rowland

14.30 - 15.00 h. - Special Lecture: How to make food systems more nutrition-sensitive

Room 7 - Retiro C
Dr. Lawrence Haddad

14.30 - 15.00 h. - Special Lecture: Building capability and capacity in nutrition: cancer as a model

Room 8 - Retiro B
Prof. Martin Wiseman

14.30 - 15.00 h. - Special Lecture: From taste to weight

Room 9 - Retiro A
Dr. Arturo R. Rolla

Thursday, October 19

14.30 - 15.00 h. - Special Lecture: Impact evaluation readiness in population-based nutrition programs: examples from food fortification

Room 1 - San Telmo
Prof. Lynnette M. Neufeld & Prof. Valerie M. Friesen

14.30 - 15.00 h. - Special Lecture: Inflammation and beta cell failure in Type 2 diabetes

Room 2 - Libertador C
Dr. Gustavo Frechtel

14.30 - 15.00 h. - Special Lecture: A Community-based strategy for effective implementation of the baby friendly community initiative in rural Kenya: Challenges, Strengths and Opportunities

Room 3 - Libertador B
Prof. Judith Kimiywe

14.30 - 15.00 h. - Special Lecture: The interface of maternal and child nutrition: how can we do better?

Room 4 - Libertador A
Prof. Zulfiqar A. Bhutta
14.30 - 15.00 h. - Special Lecture: Biochemical profile in patients suffering different types of cancer and AIDS.

Room 5 - La Pampa
Dr. Nora Slobodianik

14.30 - 15.00 h. - Special Lecture: Membrane Lipid Peroxidation in Human Nutrition and Aging

Room 6 - Catalinas
Prof. Teruo Miyazawa

14.30 - 15.00 h. - Special Lecture: Why experiencing food insecurity has bad consequences for children and how we can prevent them

Room 7 - Retiro C
Prof. Edward Frongillo

14.30 - 15.00 h. - Special Lecture: Gastronomy at the Intersection of Nutrition and Education

Room 8 - Retiro B
Prof. Gregorio Varela Moreiras

14.30 - 15.00 h. - Special Lecture: HDL cardioprotective capacity: alterations in metabolic disorders

Room 9 - Retiro A
Dr. Fernando D. Brites

14.30 - 15.00 h. - Special Lecture: Trends in food production and trade

Room 10 - Auditorium
Ing. Mercedes Nimo

ABSTRACTS

Abstract Submission Guidelines

Both, Organising and Scientific Committees of the Congress, cordially invite participants involved in Nutrition Research to submit abstracts either for oral presentation or for poster presentation.

A- GENERAL RULES

1.) Abstracts will only be accepted in English.
2.) At least one of the authors must be registered to the Congress by JUNE 15th, 2017 in order to being eligible for the abstract’s publication in the IUNS ICN 2017 abstract issue of the Annals of Nutrition and Metabolism (Ann Nutr Metab).
3.) A person can be presenting author for a maximum of two abstracts.
4.) No abstract alteration can be made after MARCH 31st, 2017 at 11.59 pm, Argentinian timeline.
A- THEMATIC AREAS (TRACKS)

Track 1: Advances in Nutrition Research
Track 2: Nutrition through Life Course
Track 3: Public Health Nutrition and Environment
Track 4: Nutrition and Management of Diseases
Track 5: Nutrients and Nutritional Assessment
Track 6: Functional Foods and Bioactive Compounds
Track 7: Food culture practices and Nutritional Education
Track 8: Agriculture, Food Science and Safety

ORAL PRESENTATION:
1. Time for presentation: **8 minutes, plus 2 minutes** for comments and discussion.
3. Material: CD ROM or USB Memory. It must be submitted to the designated area (which shall be detailed in the Congress Program) at least 4 hours before the presentation. The use of personal devices for the presentation is not permitted.

POSTER PRESENTATION:
1. No moderated presentation session. The authors shall stay at their poster at the assigned time.
2. A virtual ePoster exhibition area will be arranged from the first day of the congress.
3. Virtual ePosters shall be displayed on Touch Screens located in the Virtual ePoster Exhibition Area.

Oral Abstract Schedule

Oral abstract presentation sessions are grouped in thematic areas (Tracks) that are assigned to each room. For more detailed information, please see the section “Oral Abstract Presentations”.

**Monday, October 16**
15.00 - 16.30
Track 1 - 8, LATAM topics & miscellaneous tracks

**Tuesday, October 17**
15.00 - 16.30
Track 1 - 8, LATAM topics & miscellaneous tracks

**Wednesday, October 18**
15.00 - 16.30
Miscellaneous tracks

**Thursday, October 19**
15.00 - 16.30
Track 1 - 8, LATAM topics & miscellaneous tracks
Poster Schedule

There will be no moderated poster presentation session, but authors required to stay for an hour at your poster for possible questions and debate. See details in the section “Poster Presentations”.

**Monday, October 16**

<table>
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<tr>
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**Friday, October 20**

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<td>09.00 - 10.00 h</td>
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## REGISTRATION & ACCOMMODATION

### Registration

All registrations should be accompanied by full payment of the registration fee. No registration will be confirmed until payment is received.

<table>
<thead>
<tr>
<th>Category</th>
<th>Full Registration From September 1st to October 20th 2017</th>
<th>1 Day Pass From September 1st to October 20th 2017</th>
<th>2 Days Pass From September 1st to October 20th 2017</th>
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VAT included.

*Countries of Latin America

**To be able to register as a student, you must present a **proof/certificate of fulltime enrolment at a recognized university or college** at the time of the registration.

***This registration fee includes the access to the Congress Center, Trade Exhibition, 4 lunch boxes and welcome reception. It does not include the congress bag neither the attendance to the Scientific Sessions.

### Full Registration fee includes:
- Attendance to the scientific sessions
- Congress Bag with documentation
- 4 Lunch boxes
- Admission to the Trade Exhibition
- Abstracts information
- Optional: Gala dinner

### Day fee registration includes:
- Attendance to the scientific sessions
- 1 Lunch box (regarding to register day)
- Admission to the Trade Exhibition
- Abstracts information
- Optional: Gala dinner
Payment method: Credit card

Cancellation policy
- Delegates cancelling before August 31st, 2017 will receive a refund minus a 50 USD administration fee.
- No refunds can be made for cancellations from September 1st, 2017.
- All cancellations and renaming must be made in writing to the Technical Secretariat by e-mail at: info@icn2017.com

The congress organization recommends to the attendees the subscription to medical insurance

Hotel Reservation

<table>
<thead>
<tr>
<th>Name of hotel</th>
<th>Type</th>
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### NH Collection Buenos Aires Lancaster
- Standard: 4
- Price: 200 USD
- VAT and breakfast included

### Rochester Classic
- Standard: 3
- Price: 65 USD

### Rochester Concept
- Standard: 3
- Price: 62 USD

### Ibis Obelisco
- Standard: 3
- Price: 70 USD

### Ibis Buenos Aires Congreso
- Standard: 3
- Price: 62 USD

### Pestana Buenos Aires Hotel
- Superior: 4
- Price: 146 USD

### Pestana Buenos Aires Hotel
- Executive: 4
- Price: 170 USD

### Pestana Buenos Aires Hotel
- Deluxe: 4
- Price: 194 USD

*Price per night, VAT and breakfast included (except SHERATON BA - ACCOMMODATION ONLY)*

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### Information

We inform that the hotel reservations have been made with economic risk and are subject to a cancellation fee imposed by the hotels.

For this reason, we can consider a reservation as confirmed only if the payment has been made, either by credit card or by bank transfer.

**IMPORTANT:**

Sheraton Buenos Aires Hotel: From the moment the reservation is made, you will have 2 days to make the payment and to send proof of payment to the Technical Secretariat (by email to reservation@icn2017.com). Otherwise, the hotel reservation will be automatically cancelled.

All other hotels reservations are upon request. Once the client is informed of the availability and has accepted, the payment must be made in order to being able to confirm the reservation.

### Payment method

**By credit card**: for credit card payments, you must indicate the following:

- **Type of card**: VISA, MASTERCARD
- **Holder**:
- **Card number**:
- **Expiry date**:

**Note**: Bank transfer fees, currency exchange fees, etc., will be paid by the participant.
Early Career Travel Grants

The International Union of Nutritional Sciences (IUNS) and the Iberoamerican Nutrition Foundation (FINUT) are sponsoring travel to the 21st International Congress of Nutrition (IUNS-ICN) in Buenos Aires, Argentina, 15-20th October 2017 for early career scientists (within 10 years of graduation).

A total of 83 Travel Grants have been awarded

All Early Career Travel Grant Recipients are requested to attend the Early Career Travel Grants Meeting on Sunday, 15th of October from 14.00 - 16.00 h in Room 12 – Atalaya

GENERAL INFORMATION

Date & Venue

October 15-20, 2017
Sheraton Buenos Aires Hotel & Convention Center
San Martin 1225/1275, 1104 Autonomous City of Buenos Aires (CABA)
Argentina
Conference Website: www.iuns-icn2017.com
Email: info@iuns-icn2017.com

Technical Secretariat

Registration and information desk

Hand over of the conference documentation (accreditation Badge, etc), information, incidents, new registrations, speakers, exhibitors and lost objects.
The Technical Secretariat is located in Floor -1 in the Foyer San Isidro, and registration will take place there from Saturday 2:30 p.m. onwards.

Timetable Technical Secretariat

Saturday, October 14: 2:30 p.m. to 7 p.m.
Sunday, October 15: 7:30 a.m. to 9:00 p.m.
Monday, October 16: 8:00 a.m. to 7:00 p.m.
Tuesday, October 17: 8:00 a.m. to 7:00 p.m.
Wednesday, October 18: 8:00 a.m. to 7:00 p.m.
Thursday, October 19th: 8:00 a.m. to 7:00 p.m.
Friday, October 20: 8:00 a.m. to 13:00 p.m.
Important notes
The documentation will be delivered at the Technical Secretariat and from Saturday, October 14, from 2:30 p.m. to 7 p.m.. Please check that you have all the documents that correspond to you. Delegates must wear their accreditation in a visible place to access the venue and scientific sessions.

Mobile phones should remain disconnected in all rooms with scientific activities. Any variation of the official program or news that may arise will be announced in due course through the bulletin board and the Technical Secretariat itself.

The presentation to the auxiliary personnel of the invitations or tickets of any act will be obligatory to be able to accede to all the social acts that so require.

Speakers’ Presentation Delivery
Speakers and presenters are required to go to the Presentation Delivery (Room Poncho, 2nd floor) to upload their presentation on the central server of the conference venue at least 2 hours before their presentation starts. The server will automatically transfer all presentations to the room where they present. All major presentation software that runs on a Windows platform is supported (PowerPoint, Prezi, PDF, …).

It is not allowed to use own computers or to install the presentations directly on the computer in the room where they will be presented. Presentations created with MAC Keynote need to be exported to PowerPoint format before submission.

To submit the presentations, presenters will have to go to the Presentation Delivery Room at the Conference Venue. If they present on the morning of the first day of the conference, it is highly recommended to submit the presentation the day before.

The Presentation Delivery Room is opened from Saturday, 2:30 pm to 7:00 pm Sunday, 07:30 am to 7 p.m. and then every day during the conference days from 8.00 am to 7:00 pm.

Accreditation Badges Color Code

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<tbody>
<tr>
<td>Red</td>
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<tr>
<td>Yellow</td>
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</tr>
<tr>
<td>Blue</td>
<td>Speaker</td>
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<tr>
<td>Green</td>
<td>Delegate</td>
</tr>
<tr>
<td>Brown</td>
<td>Travel Grant Awardees</td>
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<tr>
<td>White</td>
<td>Technical Secretariat</td>
</tr>
<tr>
<td>Grey</td>
<td>Press &amp; Media</td>
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<tr>
<td>Purple</td>
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</tr>
<tr>
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</table>
Checkroom

Please note that, for security reasons, the congress will not be able to take care of the delegates’ belongings such as coats, luggage etc., therefore no checkroom service will be provided at the venue. Remember to deposit your luggage in your hotel the day of your check-out.

Breastfeeding Room

The conference organization provides a room where mothers can withdraw with their babies for breastfeeding. The room name is St. Regis and it is located in the Park Tower from October 15-20, 2017.

Prayer Room

The prayer room is located in the room Ceibo in the Park Tower and is intended to provide a quiet place for prayer for attendees of all religious beliefs. From October 15-20, 2017.

Press Room

The Pressroom is located in room Gomez Lozano from October 15-20, 2017.

Certificates

The registration, attendance and collaboration certificates can be downloaded on the website (www.icn2017.com), accessing your personal area with your login details (user and password) after the conference. Therefore, please verify that the Technical Secretariat has your complete and updated data. The Technical Secretariat will announce to all attendees when the certificates are available for download.

Disclaimer/Liability

Neither the Committees nor the Conference organization will accept any liability for personal injuries or loss or damage to property belonging to conference attendees. The registration fee does not include insurance.
Social Programme & Awards

Sunday, October 15

19.00 – 19.30 h.
Sheraton Buenos Aires Hotel & Convention Center
San Martin 1225/1275 – CABA

Opening Ceremony
Plenary Room (Libertador A+B+C)

19.30 – 20.15 h.
Sheraton Buenos Aires Hotel & Convention Center

Plenary Room (Libertador A+B+C)
Prof. Andrew Prentice

20.15 – 21.00 h.
Sheraton Buenos Aires Hotel & Convention Center

Concert “Lyrical Gala” (Sextett)
Plenary Room (Libertador A+B+C)

21.00 h.
Sheraton Buenos Aires Hotel & Convention Center
Welcome Cocktail
Hall First Floor

Monday, October 16

10.30 - 11.15 h.
Sheraton Buenos Aires Hotel & Convention Center

Plenary session: Zinc Transporter Functions in Health and Disease
Plenary Room (Libertador A+B+C)
Prof. Robert J. Cousins

13:00 - 14:30 h.
Sheraton Buenos Aires Hotel & Convention Center

Lunch Break
Foyer Retiro Hall, Foyer Plenary Room (Libertador A+B+C), Foyer San Isidro Hall
“In order to access the lunch break area you will be required to present the corresponding ticket, included in your accreditation card”
Tuesday, October 17

10.30 - 11.15 h.
Sheraton Buenos Aires Hotel & Convention Center
**Plenary session: Humans vs Obesity: Who will win?**
Plenary Room (Libertador A+B+C)
Prof. Benjamin Caballero
Bloomberg School of Public Health. Johns Hopkins University. Maryland. USA.

13:00 - 14:30 h.
Sheraton Buenos Aires Hotel & Convention Center
**Lunch Break**
Foyer Retiro Hall, Foyer Plenary Room (Libertador A+B+C), Foyer San Isidro Hall
“In order to access the lunch break area you will be required to present the corresponding ticket, included in your accreditation card”

19:00 h.
Sheraton Buenos Aires Hotel & Convention Center
**Show “SuperSaludable”**
Room 1 – San Telmo

Wednesday, October 18

10.30 - 11.15 h.
Sheraton Buenos Aires Hotel & Convention Center
**Plenary session: IUNS Lifetime Award: From Treating Childhood Malnutrition to Public Health Nutrition**
Plenary Room (Libertador A+B+C)
Prof. W. Philip T. James

13:00 - 14:30 h.
Sheraton Buenos Aires Hotel & Convention Center
**Lunch Break**
Foyer Retiro Hall, Foyer Plenary Room (Libertador A+B+C), Foyer San Isidro Hall
“In order to access the lunch break area you will be required to present the corresponding ticket, included in your accreditation card”

15.00 - 16.30 h.
Sheraton Buenos Aires Hotel & Convention Center
**IUNS Living Legend & Young Scientist Award**
Room 1 – San Telmo
Organized by: International Union of Nutritional Sciences (IUNS)

**UBA’s Dr. Pedro Escudero Award**
Room 3 – Libertador B
Organized by: Buenos Aires’ University. School of Medicine. School Nutrition (Argentina)
Thursday, October 19

10.30 - 11.15 h.  
Sheraton Buenos Aires Hotel & Convention Center  
**Plenary session: Building and implementing evidence based nutrition policy**  
*Plenary Room (Libertador A+B+C)*  
Dr. Juan Ángel Rivera Dommarco  

13:00 - 14:30 h.  
Sheraton Buenos Aires Hotel & Convention Center  
**Lunch Break**  
*Foyer Retiro Hall, Foyer Plenary Room (Libertador A+B+C), Foyer San Isidro Hall*  
“In order to access the lunch break area you will be required to present the corresponding ticket, included in your accreditation card”

21:00h.  
Tango Porteño  
*Cerrito 570, Centro, CABA.*

**Gala Dinner**  
Information: Bus rides will be provided from the congress venue at 20:15h  
Rides back to the venue will be offered at 00:00h  
If you are interested in assisting our Congress Gala Dinner, you must make reservations and place full payment of the ticket in order to have guaranteed entry (limited capacity, reservations will be taken on a first come, first serve basis, until all seats are filled)  
To make your reservation/payment;  
- Login to the Personal Area in our website and in the Concepts tab follow the instructions.  
- Email Lola Ruiz-Chena (lruiz-chena@fase20.com) with your payment information. If you choose this payment method, mind that your seat will only be guaranteed once you receive a confirmation email.  
- If there are seats still available, you will be able to claim yours during the congress with the help of our technical secretaries. Call: 0054 11 5236 1141  
- The cost of the tickets for the Gala Dinner is set at us$85. It includes a 3 course meal, open bar, and transportation.  
(*) **Credit card payments**: in this case, you will have to provide:  
Card Type: Visa, MasterCard  
Account Holder  
Card Number  
Expiration date  
Note: transfer and money exchange costs will be covered by the attendee.  
We inform you that once your reservation is placed and successfully paid for, you will be able to find your access ticket for the Gala in your accreditation card.
Friday, October 20

10.30 – 11.30 h.
Sheraton Buenos Aires Hotel & Convention Center

Closing Lecture: Our quest for healthy diets: the role of Nutrition Scientists
Plenary Room (Libertador A+B+C)
Dr. Anna Lartey
President of the International Union of Nutritional Sciences (IUNS). Director of Nutrition at the Food and Agriculture Organization of the United Nations (FAO). Rome, Italy.

11.30 – 13.00 h.
Sheraton Buenos Aires Hotel & Convention Center

Closing Acts
Plenary Room (Libertador A+B+C)
- Presentation of the IUNS 22nd ICN: Dr. Hisanori Kato
- Presentation of IUNS Fellows
- Welcome of the new IUNS President: Prof. J. Alfredo Martínez
- Closing Ceremony
- Closing Performance

Venue Map
Venue Map

-1 floor
1. COMMERCIAL EXHIBITION (San Telmo)
2. TECHNICAL SECRETARIAT

Ground floor
3. SAN TELMO
4. AUDITORIO

1st floor
5. RETIRO A
6. RETIRO B
7. RETIRO C
8. LIBERTADOR C
9. LIBERTADOR B
10. LIBERTADOR A
11. CATALINAS
12. GOLDEN HORN
13. LA PAMPA
14. E-POSTER AREA

2nd floor
15. RIO DE LA PLATA
16. OMBU B
17. OMBU A
18. PRESENTATION DELIVERY (Salon Fenacho)
19. MARTIN FIERRERO A
20. MARTIN FIERRERO B
21. PRESS ROOM (Salon Gomez Lozada)

24th floor
22. ATALAYA
23. EL ÁGUILA
<table>
<thead>
<tr>
<th>Location</th>
<th>Session</th>
</tr>
</thead>
</table>
| San Telmo    | **144/1034** - Leveraging Food Systems to Improve Food Systems and Nutrition  
                      FAO, Tufts University & Global Alliance for Improved Nutrition (GAIN) (USA) |
| Libertador C | **144/1002** - Better Together: Lessons learned from multi-sectoral implementation of nutrition programs  
                      John Snow Incorporated (JSI) Research & Training Institute (USA) |
| Libertador B | **144/156** - Malnutrition in all its forms and socioeconomic status in Latin America: Who are more affected?  
                      Latinoamerican Nutrition Society (SLAN) / Iberoamerican Nutrition Foundation (FINUT) |
| Libertador A | **144/36** - Polyphenols: value in human nutrition  
                      School of Pharmacy and Biochemistry, University of Buenos Aires (Argentina) |
| Catalinas    | **144/145** - Avances y controversias de la nutrición en Latinoamérica  
                      GLANC & SENC (Spain & Latin America) |
| Retiro C     | **144/1056** - From Evidence to Policy: What it takes to Bridge the Gap  
                      MQ5UN & Nutrition Embedding Evaluation Programme (NEEP) |
| Retiro B     | **144/138** - Educación nutricional por FESNAD en España  
                      Spanish Federation of Nutrition Societies (FESNAD) |
| Retiro A     | **144/159** - Cohort studies in Ibero-America  
                      Ibero-American chapter of the DODHAD Society (Chile) |
| Auditorium   | **144/1007** - ICAN Symposium  
                      International Colleges for the Advancement of Nutrology (ICAN) (Brazil) |

**Sunday, Oct. 15**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>8:30-10:30</td>
<td><strong>144/1034</strong> - Continuation...</td>
</tr>
<tr>
<td>10:30-11:00</td>
<td><strong>144/1002</strong> - Continuation...</td>
</tr>
<tr>
<td>11:00-13:00</td>
<td><strong>144/156</strong> - Continuation...</td>
</tr>
</tbody>
</table>
| 13:00-14:00   | **144/1008** - Cracking the egg potential to reduce child stunting and improve rural livelihoods  
                      Children’s Investment Fund Foundation (UK) |
<p>| Break         | <strong>144/1056</strong> - Continuation...                                         |
| Break         | <strong>144/138</strong> - Continuation...                                         |
| Break         | <strong>144/159</strong> - Continuation...                                         |
| Break         | <strong>144/1007</strong> - Continuation...                                         |</p>
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<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session</th>
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<tbody>
<tr>
<td>14:00-16:00</td>
<td>San Telmo</td>
<td><strong>144/1013</strong> - WHO Workshop on the Tracking Tool to monitor the Global Nutrition Targets for 2025 (World Health Organization (WHO))</td>
</tr>
<tr>
<td></td>
<td>Libertador C</td>
<td><strong>144/1020</strong> - Innovative Methods and Metrics for Agriculture and Nutrition Actions (IMMANA) (London School of Hygiene &amp; Tropical Medicine (UK))</td>
</tr>
<tr>
<td></td>
<td>Libertador B</td>
<td><strong>144/1026</strong> - Farm to Fork—Pathways to Nutrition Outcomes and Implementation Challenges of Integrated Agriculture-Programs (Helen Keller International (HKI) (USA))</td>
</tr>
<tr>
<td></td>
<td>Libertador A</td>
<td><strong>144/1003</strong> - The role of biodiversity in improving diets, nutrition and health (Fondation Daniel et Nina Carasso (France))</td>
</tr>
<tr>
<td></td>
<td>La Pampa</td>
<td><strong>144/1030</strong> - Promotion and consumption of commercially-produced snacks during the complementary feeding period: Country experiences, policy implications (Helen Keller International, ARCH Project)</td>
</tr>
<tr>
<td></td>
<td>Catalinas</td>
<td><strong>144/1006</strong> - Tools to promote tailored intervention programs in nutritional deprived elderly living communities (PRONUTRISENIOR Project, University of Porto (Portugal))</td>
</tr>
<tr>
<td></td>
<td>Retiro C</td>
<td><strong>144/1044</strong> - Nutrición y Gastronomía en América Latina: Retos y Oportunidades (Spanish Nutrition Foundation - Iberoamerican Academy of Gastronomy)</td>
</tr>
<tr>
<td></td>
<td>Retiro A</td>
<td><strong>144/1038</strong> - ‘Fill the Nutrient Gap’ with ‘Cost of the Diet’ to inform Nutrition Policy and Programming (World Food Programme (WFP) - Save the Children)</td>
</tr>
<tr>
<td></td>
<td>Auditorium</td>
<td><strong>144/1025</strong> - Perspectives on nutrient density: Too high and too low (CeSSIAM - The Center for Studies of Sensory Impairment, Aging and Metabolism (Guatemala))</td>
</tr>
<tr>
<td></td>
<td>Golden Horn</td>
<td><strong>144/1049</strong> - Scaling up Rice fortification in Latin America and the Caribbean (World Food Programme (WFP), Regional Bureau for Latin America and the Caribbean, Nutrition Unit)</td>
</tr>
<tr>
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<td>Atalaya</td>
<td><strong>IUNS Early Career Grants Meeting</strong> (International Union of Nutritional Sciences (IUNS))</td>
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</tbody>
</table>

**Break**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session</th>
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<tbody>
<tr>
<td>16:00</td>
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<td><strong>144/1013</strong> - Continuation...</td>
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<tr>
<td>16:30</td>
<td></td>
<td><strong>144/1026</strong> - Continuation...</td>
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<tr>
<td>19:00</td>
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<td><strong>144/1038</strong> - Continuation...</td>
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<td>19:30</td>
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<td><strong>144/1025</strong> - Continuation...</td>
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<tr>
<td>20:15</td>
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<td><strong>144/1049</strong> - Continuation...</td>
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<tr>
<td>21:00</td>
<td></td>
<td><strong>144/1013</strong> - Continuation...</td>
</tr>
<tr>
<td>19:30</td>
<td></td>
<td><strong>144/1058</strong> - First-Foods: Accelerating progress to improve the quality of complementary foods and feeding practices for children (UNICEF Nutrition HQ (USA))</td>
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<td>20:15</td>
<td></td>
<td><strong>144/1032</strong> - Application of WHO guidelines on optimal blood folate concentrations to prevent NTDs in countries (World Health Organization (WHO))</td>
</tr>
</tbody>
</table>

**Opening Ceremony** (Plenary Room: Libertador A+B+C)

**Opening Lecture** Opening Lecture: Fit for the Future—Aligning Nutritional Sciences for the Service of Humanity (Prof Andrew M. Prentice)

**Welcome Cocktail** (First Floor)

**Concert “Lyrical Gala” (Sextett)** (Plenary Room: Libertador A+B+C)
<table>
<thead>
<tr>
<th>Time</th>
<th>08:00-10:00</th>
<th>10:00-10:30</th>
<th>10:30-11:15</th>
<th>11:30-13:30</th>
<th>13:30-14:30</th>
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<tbody>
<tr>
<td>MORNING</td>
<td>San Telmo Track 3</td>
<td><strong>SY</strong> 144/84 - History and Legal Challenges of Creating and Protecting A Sugar - Sweetened Beverage Tax in Mexico: Lessons for the globe (University of North Carolina at Chapel Hill (USA))</td>
<td><strong>SY</strong> 144/85 - Impact of large - scale food - related regulatory efforts: Mexico and Chile (University of North Carolina at Chapel Hill (USA))</td>
<td><strong>SY</strong> 144/93 - Addressing Child Malnutrition: Newer Measures to Advance Prevention and Treatment Outcomes (Tufts University Food Aid Quality Review (USA))</td>
<td><strong>SY</strong> 144/91 - Early Nutrition and its Effects on Health (Iberoamerican Nutrition Foundation (FINUT))</td>
</tr>
<tr>
<td></td>
<td>Libertador C Track 1</td>
<td><strong>SY</strong> 144/26 - The Biology of the First 1,000 Days of Life (Sight and Life (Switzerland))</td>
<td><strong>SY</strong> 144/94 - Taming the Microbes that Tame Our Genes (University of California Public Health (USA))</td>
<td><strong>SY</strong> 144/95 - MooDFOOD: Preventing Depression through Food (Vrije Universiteit, Moodfood Consortium (The Netherlands))</td>
<td><strong>SY</strong> 144/109 - Integration to Implementation (I to I) on Vitamin A Interventions (Micronutrient Forum Canada (Canada))</td>
</tr>
<tr>
<td></td>
<td>Libertador B Track 3</td>
<td><strong>SY</strong> 144/83 - Dietary Guidelines in Europe: Recent Developments (Federation of European Nutrition Societies (FENS) (Europe))</td>
<td><strong>SY</strong> 144/97 - High - Value Nutrition - a New Zealand National Science Challenge (University of Auckland (New Zealand))</td>
<td><strong>SY</strong> 144/107 - Linking Deprivation to Dietary Intake and Nutritional Status in Children (University of Ghent (Belgium))</td>
<td><strong>SY</strong> 144/130 - Benchmarking Government Policies to Improve Food Environments Globally (The International Network for Food and Obesity (INFORMAS) (New Zealand))</td>
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<td></td>
<td>Libertador A Track 2</td>
<td><strong>SY</strong> 144/16 - Aging Gracefully: Staying Healthy and Well Late into Life (International Life Sciences Institute (ILSI) Research Foundation and ILSI branches)</td>
<td><strong>SY</strong> 144/104 - Food Composition is Central to a Food System Approach for Nutrition (IUNS Task Force - INFOOD)</td>
<td><strong>SY</strong> 144/110 - Towards Global Leadership in Nutrition (Nutrition Leadership Programs and the IUNS Task Force - Capacity Development in Nutrition)</td>
<td><strong>SY</strong> 144/105 - Nutrition Science at a Cross - Road (Division Human Nutrition, Wageningen University (The Netherlands))</td>
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<td></td>
<td>La Pampa Track 4</td>
<td><strong>SY</strong> 144/38 - Prevention of Type - 2 Diabetes in Overweight and Obese Subjects. Achievements and Results from the Large EU - Project, PREVIEW (University of Copenhagen (Denmark))</td>
<td><strong>SY</strong> 144/105 - Novel Functions and Uses of Amino Acids (Japan Society of Nutrition and Food Science, Japanese Society for Amino Acid Sciences, and International Council on Amino Acid Science (Japan))</td>
<td><strong>SY</strong> 144/106 - Nutrition Science at a Cross - Road (Division Human Nutrition, Wageningen University (The Netherlands))</td>
<td><strong>SY</strong> 144/103 - Transition food systems and shifting diets in low- and middle-income countries: What do they look like now, and where are they headed? (Johns Hopkins University (USA) and The Global Alliance for the Future of Food (Canada))</td>
</tr>
<tr>
<td></td>
<td>Catalinas Track 6</td>
<td><strong>SY</strong> 144/97 - High - Value Nutrition - a New Zealand National Science Challenge (University of Auckland (New Zealand))</td>
<td><strong>SY</strong> 144/146 - Novel Functions and Uses of Amino Acids (Japan Society of Nutrition and Food Science, Japanese Society for Amino Acid Sciences, and International Council on Amino Acid Science (Japan))</td>
<td><strong>SY</strong> 144/141 - Essence of Washoku, UMAMI is the Basic Taste for Better Nutrition? (Jumonji University (Japan))</td>
<td><strong>SY</strong> 144/140 - Trends and practice in clinical nutrition (Universidad Autónoma de Nuevo León y Colegio Mexicano de Nutriólogos (Mexico))</td>
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<td></td>
<td>Retiro C Track 8</td>
<td><strong>SY</strong> 144/104 - Food Composition is Central to a Food System Approach for Nutrition (IUNS Task Force - INFOOD)</td>
<td><strong>SY</strong> 144/105 - Novel Functions and Uses of Amino Acids (Japan Society of Nutrition and Food Science, Japanese Society for Amino Acid Sciences, and International Council on Amino Acid Science (Japan))</td>
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<td></td>
<td>Retiro B Track 7</td>
<td><strong>SY</strong> 144/90 - The PREDIMED Studies: a Leap Forward in Nutrition (Ciber Fisiopatología de la Obesidad y Nutrición, Instituto de Salud Carlos III (Spain))</td>
<td><strong>SY</strong> 144/143 - Food Consumption Surveys: Results and Uses (FEN, SENC &amp; GLANC (Spain &amp; Latin America))</td>
<td><strong>SY</strong> 144/130 - Benchmarking Government Policies to Improve Food Environments Globally (The International Network for Food and Obesity (INFORMAS) (New Zealand))</td>
<td><strong>SY</strong> 144/105 - Nutrition Science at a Cross - Road (Division Human Nutrition, Wageningen University (The Netherlands))</td>
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<td>Retiro A Track 5</td>
<td><strong>SY</strong> 144/146 - Novel Functions and Uses of Amino Acids (Japan Society of Nutrition and Food Science, Japanese Society for Amino Acid Sciences, and International Council on Amino Acid Science (Japan))</td>
<td><strong>SY</strong> 144/143 - Food Consumption Surveys: Results and Uses (FEN, SENC &amp; GLANC (Spain &amp; Latin America))</td>
<td><strong>SY</strong> 144/130 - Benchmarking Government Policies to Improve Food Environments Globally (The International Network for Food and Obesity (INFORMAS) (New Zealand))</td>
<td><strong>SY</strong> 144/105 - Nutrition Science at a Cross - Road (Division Human Nutrition, Wageningen University (The Netherlands))</td>
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<tr>
<td></td>
<td>Auditorium Regional meetings</td>
<td><strong>SY</strong> 144/143 - Food Consumption Surveys: Results and Uses (FEN, SENC &amp; GLANC (Spain &amp; Latin America))</td>
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<td><strong>SY</strong> 144/105 - Nutrition Science at a Cross - Road (Division Human Nutrition, Wageningen University (The Netherlands))</td>
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<td></td>
<td>Golden Horn International Dipl. Projects</td>
<td><strong>SY</strong> 144/143 - Food Consumption Surveys: Results and Uses (FEN, SENC &amp; GLANC (Spain &amp; Latin America))</td>
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<tr>
<td></td>
<td>Atalaya Miscellaneous Tracks</td>
<td><strong>SY</strong> 144/161 - Impact of Menopause on the Nutritional Health of Argentinian Women (UBACyT Projects 2008-2017 (Buenos Aires’ University. School of Medicine. School Nutrition (Argentina)))</td>
<td><strong>SY</strong> 144/143 - Food Consumption Surveys: Results and Uses (FEN, SENC &amp; GLANC (Spain &amp; Latin America))</td>
<td><strong>SY</strong> 144/130 - Benchmarking Government Policies to Improve Food Environments Globally (The International Network for Food and Obesity (INFORMAS) (New Zealand))</td>
<td><strong>SY</strong> 144/105 - Nutrition Science at a Cross - Road (Division Human Nutrition, Wageningen University (The Netherlands))</td>
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<tr>
<td></td>
<td>Águila Miscellaneous Tracks</td>
<td><strong>SY</strong> 144/1059 - Transition food systems and shifting diets in low- and middle-income countries: What do they look like now, and where are they headed? (Johns Hopkins University (USA) and The Global Alliance for the Future of Food (Canada))</td>
<td><strong>SY</strong> 144/143 - Food Consumption Surveys: Results and Uses (FEN, SENC &amp; GLANC (Spain &amp; Latin America))</td>
<td><strong>SY</strong> 144/130 - Benchmarking Government Policies to Improve Food Environments Globally (The International Network for Food and Obesity (INFORMAS) (New Zealand))</td>
<td><strong>SY</strong> 144/105 - Nutrition Science at a Cross - Road (Division Human Nutrition, Wageningen University (The Netherlands))</td>
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**SY** Symposium, **PL** Plenary Lecture, **SS** Sponsored Symposium, **CO** Conference, **AP** Abstract Presentations, **CE** Ceremony, **OA** Other Activities, **Spanish language**
Monday, Oct. 16

14:30-15:00

**San Telmo**
- **Track 3**
  - **Special Lecture: The Nutrition Transition and Food System Dynamics: The Accelerating Speed of Change**
  - Prof. Barry M. Popkin

**Libertador C**
- **Track 1**
  - **Special Lecture: Microbiota and Obesity**
  - Prof. J. Alfredo Martinez

**Libertador B**
- **Track 3**
  - **Special Lecture: Declining consumption of added sugars and sugar-sweetened beverages in Australia: a challenge for obesity prevention**
  - Prof. Jennie Brand-Miller

**Libertador A**
- **Track 2**
  - **Special Lecture: The Chain of Food Science and Technology, Nutrition and Engineering Links in addressing issues of Lifestyle and Health—FARM to FOLK**
  - Dr. Vishweshwaraih Prakash

**La Pampa**
- **Track 4**
  - **Special Lecture: New insights into obesity prevention in children and adolescents**
  - Prof. Luis A. Moreno Aznar

**Catalinas**
- **Track 6**
  - **Special Lecture: Molecular mechanisms of action of probiotics**
  - Prof. Angel Gil

**Retiro C**
- **Track 8**
  - **Special Lecture: Nutrition-sensitive agriculture – what does it mean and which impact it can have in addressing actual malnutrition problems**
  - Dr. Ruth Charrondiere

**Retiro B**
- **Track 7**
  - **Special Lecture: Weight loss using a healthy diet and exercise promotion to prevent cardiovascular disease: The PREDIMED-Plus trial**
  - Prof. Jordi Salas Salvadó

**Retiro A**
- **Track 5**
  - **Special Lecture: Beneficial effect of probiotics consumption on the Immune System**
  - Prof. Gabriela Perdigón

**Auditorium**
- **Regional meetings**
  - **CO 144/1051 - The Scaling-Up Nutrition (SUN) movement stunting prevention program ‘Right Foods at the Right Time: Targeting Nutrition of Children under Two’ in Malawi**
    - World Food Programme (WFP)
  - **SY 144/1043 - Vitamin C – are current recommendations sufficient?**
    - University of Copenhagen (Denmark)
  - **SY 144/1053 - Bariatric and Metabolic Surgery. Strategies for Success: An Integrated Approach to Obesity and T2DM Patient Management**
    - Argentine Society of Nutrition - Bariatric Surgery Working Group (Argentina)

15:00-16:30

**Plenary Lecture**
- **Sydney**

16:30-17:00

**Sponsored Symposium**
- **Sydney**

17:00-19:00

**Sponsored Symposium**
- **Sydney**

**Break**
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<th>Morning (MORNING)</th>
<th>Programme</th>
<th>Mid Morning Break</th>
<th>Lunch (Lunch)</th>
<th>Programme</th>
<th>Other Activities</th>
<th>Spanish language</th>
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<tr>
<td>San Telmo, Track 3</td>
<td>144/72 - Programmatic Implications from Risk -benefit analysis of iron interventions in young children</td>
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<td>144/1046 - An Investment Framework in Nutrition: Current progress in costing and financing the scale-up of evidence-based nutrition interventions</td>
<td>The World Bank</td>
<td></td>
</tr>
<tr>
<td>Libertador C, Track 1</td>
<td>144/1004 - Gut Microbiota Targets in Nutrition</td>
<td></td>
<td></td>
<td>144/1011 - South American Youth / Child Cardiovascular and Environment Study (acronym: SAYCARE Study)</td>
<td>SAYCARE (South America)</td>
<td></td>
</tr>
<tr>
<td>Libertador B, Track 2</td>
<td>144/82 - Science Based Measures to Increase Nutrition Quality in Germany</td>
<td></td>
<td></td>
<td>144/121 - Reduction in SALT Consumption in Diets for Combating NCDs for Better Health and Wellness</td>
<td>IUNS-Unilever collaboration on Salt Reduction</td>
<td></td>
</tr>
<tr>
<td>La Pampa, Track 4</td>
<td>144/123 - Building Capacity to Prevent and Treat Malnutrition</td>
<td></td>
<td></td>
<td>144/115 - Low-Calorie Sweeteners – update on health &amp; safety</td>
<td>ILSI (USA)</td>
<td></td>
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<tr>
<td>Catalinas, Track 6</td>
<td>144/42 - The Human Microbiome: sharing our bodies</td>
<td></td>
<td></td>
<td>144/101 - Functional Foods 2017 – New PERSPECTIVES</td>
<td>The Hebrew University of Jerusalem (Israel)</td>
<td></td>
</tr>
<tr>
<td>Retiro C, Track 8</td>
<td>144/155 - Research and Scaling Up Nutrionally Sensitive Agricultural Innovations</td>
<td></td>
<td></td>
<td>144/154 - From Sustainable Farms to Better Nutrition: linking commitments to research, policy and practice</td>
<td>Rome-Based Agencies for Food, Agriculture and Nutrition (FAO-UN / IFAD-UN / WFP-UN / CGIAR)</td>
<td></td>
</tr>
<tr>
<td>Retiro B, Track 7</td>
<td>144/168 - Latin American Survey of Nutrition and Health: what they have in common and in what they differ, eight countries of Latin America?</td>
<td></td>
<td></td>
<td>144/92 - The eNutrition Academy: global online learning and capacity development</td>
<td>Enutrition Academy (UK)</td>
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<tr>
<td>Retiro A, Track 5</td>
<td>144/108 - Meaning of Linear Growth: appropriate use of growth as a measure in development</td>
<td></td>
<td></td>
<td>144/120 - Immunonutrition in Health and Disease: role of bioactive compounds</td>
<td>International Society for Immunonutrition (ISIN)</td>
<td></td>
</tr>
<tr>
<td>Auditorium Regional meetings</td>
<td>144/86 - New Technologies to Detect and Study Adverse Lifestyles in Cardiometabolic Diseases</td>
<td></td>
<td></td>
<td>144/117 - Updating on Active Principles. Active principles on food and their relation to health</td>
<td>CASLAIN &amp; Universidad Juan Agustín Maza Mendoza (Argentina)</td>
<td></td>
</tr>
<tr>
<td>Golden Horn International Dgn. &amp; Projects</td>
<td>44/118 - High Quality Olive Oi: nutrition and Health</td>
<td></td>
<td></td>
<td>144/1040 - Shaping Global Food Systems for Better Nutrition</td>
<td>Global Alliance for Improved Nutrition (GAIN)</td>
<td></td>
</tr>
<tr>
<td>Atalaya Macarena Tracks</td>
<td>144/1062 - No time to waste: progress and road ahead for care for severely malnourished children</td>
<td></td>
<td></td>
<td>144/167 - Latin American Survey of Nutrition and Health (ELANS): main results on intake, physical activity and sedentarism in eight countries</td>
<td>Centro de Nutrologia y Dificultades Alimentares. Universidad Federal de São Paulo (Brazil)</td>
<td></td>
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<tr>
<td>Águila Macarena Tracks</td>
<td></td>
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<td></td>
<td>144/1060 - Ethical challenges and implications of sharing, selling and donating human milk</td>
<td>PATH (USA)</td>
<td></td>
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</tbody>
</table>
## IUNS 21st ICN International Congress of Nutrition

**Scientific Schedule**

**Tuesday, Oct. 17**

### 14:30-15:00

**San Telmo Track 3**  
**CO** Special Lecture: What the world can learn from Mexico’s battle against obesity: the process, results, push backs and future challenges  
Dr. Simon Barquera

**Liberators C Track 1**  
**CO** Special Lecture: Immunonutrition and determinants of lifestyle  
Prof. Ascensión Marcos

### 15:00-16:30

**Liberators B Track 3**  
**CO** Special Lecture: Invoking the Base of the Iceberg: Origins and Consequences of Endemic Short-Statue (erroneously termed “Chronic Undernutrition”)  
Prof. Noel W. Solomons

### 16:30-17:00

**Liberators A Track 2**  
**CO** Special Lecture: Impact of Early Life Nutrition on the Gut Microbiome and Host-Microbe Interactions in the Human Infant  
Prof. Sharon Donovan

**La Pampa Track 4**  
**CO** Special Lecture: Challenges in the care of children and adolescents with type 1 diabetes  
Dr. Carmen Mazza

### 17:00-19:00

- **San Telmo Track 3**  
- **Liberators C Track 1**  
- **Liberators B Track 3**  
- **Liberators A Track 2**  
- **La Pampa Track 4**  

### 19:00-21:00

- **San Telmo Track 3**  
- **Liberators C Track 1**  
- **Liberators B Track 3**  
- **Liberators A Track 2**  
- **La Pampa Track 4**

### Break

### 18:00-19:00

- **San Telmo Track 3**  
- **Liberators C Track 1**  
- **Liberators B Track 3**  
- **Liberators A Track 2**  
- **La Pampa Track 4**

### 19:00-21:00

- **San Telmo Track 3**  
- **Liberators C Track 1**  
- **Liberators B Track 3**  
- **Liberators A Track 2**  
- **La Pampa Track 4**
### Morning

**9:00-10:00 AM**

**San Telmo Track 3**
- **144/44** - Physical Activity and Health: new knowledge in research and technologies
  - International Life Sciences Institute (ILSI) (USA)

**Libertador C Track 1**
- **144/73** - 50 Years of Nutrition Research Support in Low Income Countries: achievements and needs
  - Nestle Foundation for the Study of Problems of Nutrition in the World (Switzerland)

**Libertador B Track 3**
- **144/103** - Diet, Nutrition, Physical Activity and Cancer: towards the 2017 WCRF Continuous Update Project update
  - World Cancer Research Fund International (WCRF)

**Libertador A Track 2**
- **144/78** - Objective Assessment of Breastfeeding Practices
  - International Atomic Energy Agency (IAEA) (Austria)

**La Pampa Track 4**
- **144/133** - Comprehensive Management of Obese Patients
  - Paraguayan Society of Nutrition (Paraguay)

**Catalinas Track 6**
- **144/127** - Functional Foods and Bioactive Compounds on the Management of Metabolic Syndrome Centre for Nutrition Research, University of Navarra and Ciberobn, Carlos III (Spain)

**Retiro C Track 8**
- **144/94** - Food Aid Research: update on food aid for preventing and treating undernutrition
  - Tufts University, Friedman School of Nutrition Science and Policy (USA)

**Retiro B Track 7**
- **144/6** - Indigenous Peoples’ Gender Roles, biodiversity and food security
  - IUNS Task Force - Traditional, Indigenous and Cultural Food and Nutrition

**Retiro A Track 5**
- **144/147** - The Importance of Protein for Supporting Health in an Aging Society
  - Laboratory of Nutrition Science, Graduate School of Life and Environmental Sciences (Japan)

**Auditorium Regional meetings**
- **144/114** - New Tools for Nutritional Assessment in Early Life: how to manage them
  - Sociedad Uruguaya de Salud Comunitaria (SUSAC) (Uruguay)

**Golden Horn International Orgs. & Projects**
- **144/163** - WHO/CDC Symposium on the assessment of vitamin A status in populations
  - World Health Organization (WHO)

**Águila Miscellaneous Tracks**
- **144/1064** - Obesity: science based interventions
  - Argentinian Society of Nutrition (SAN) (Argentina)

**Plenary Lecture: From Treating Childhood Malnutrition to Public Health Nutrition**
- Prof. W. Philip T. James

### Lunch

**12:00-13:30 PM**

**Lunch**

### Afternoon

**12:00-13:30 PM**

**Plenary Lecture: From Treating Childhood Malnutrition to Public Health Nutrition**
- Prof. W. Philip T. James

**13:30-14:30 PM**

**Plenary Lecture: Getting your manuscript published: practical tips for preparing your manuscript, avoiding common mistakes, and choosing the right journal**
- American Society for Nutrition (ASN) (USA)
<table>
<thead>
<tr>
<th>Time</th>
<th>San Telmo Track 3</th>
<th>Libertarian C Track 1</th>
<th>Libertarian B Track 3</th>
<th>Libertador A Track 2</th>
<th>La Pampa Track 4</th>
<th>Catalinas Track 6</th>
<th>Retiro C Track 8</th>
<th>Retiro B Track 7</th>
<th>Retiro A Track 5</th>
<th>Auditorium Regional</th>
<th>Golden Horn International Orgs. &amp; Projects</th>
<th>Atalaya Miscellaneous Tracks</th>
<th>Águila Miscellaneous Tracks</th>
</tr>
</thead>
</table>
| 14:30-15:00 | *Special Lecture: Enabling and disabling health systems through food systems*  
Prof. Mark Wahlqvist | *Special Lecture: How to make the most of high-density genetic data for human nutrition research*  
Prof. Martin Kohlmeier | *Special Lecture: Stunting: challenges in estimating prevalence and potential solutions*  
Dr. Joel Conkle | *Special Lecture: Heterogeneity in response to nutrition interventions during the first thousand days: evidence from randomized controlled trials using lipid-based nutrient supplements for mothers and infants in Africa and South Asia*  
Dr. Kathryn G. Dewey | *Special Lecture: Nutrition and Inflammation: Put Out the Fire*  
Dr. Sylvia Escott-Stump | *Special Lecture: Olive polyphenols – important mediators of health benefits of the Mediterranean diet?*  
Prof. Ian Rowland | *Special Lecture: How to make food systems more nutrition-sensitive*  
Dr. Lawrence Haddad | *Special Lecture: Building capability and capacity in nutrition: cancer as a model*  
Prof. Martin Wiseman | *Special Lecture: From taste to weight*  
Dr. Arturo R. Rolla | *Book Presentation: Tratado de Nutrición 3ª ed. (Nutrition Treatise 3rd ed.)*  
Prof. Angel Gil | *144/164 - WHO/CDC Symposium on New Tools and Resources for Monitoring and Evaluating Micronutrient Public Health Programs*  
World Health Organization (WHO) | *144/171 - Seemingly Effective Pathways to Nutrition Behaviour Change*  
Nutrition Society of Sri Lanka (South Asia) | *144/1071 - Addressing the challenges iron deficiency anemia: Fresh insights from the HIGH Consortium (Hepcidin and Iron in Global Health)*  
MRC Unit The Gambia–MRC Unit Int. Nut. Group. London School of Hygiene & Tropical Medicine (United Kingdom) |
| 15:00-16:30 | *IUNS Living Legend & Young Scientist Award* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* |
| 16:30-17:00 | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* | *Sponsored Symposium* |
| 17:00-19:00 | | | | | | | | | | | | |
# IUNS 21st ICN

## International Congress of Nutrition

**Buenos Aires, Argentina**

### Scientific Schedule

**Thursday, Oct. 19**

<table>
<thead>
<tr>
<th>Time</th>
<th>Morning Session</th>
<th>Afternoon Session</th>
</tr>
</thead>
</table>
| 8:00-10:00   | San Telmo Track 3: [144/125] Climate Change and Nutrition: Challenges and Opportunities  
                IUNS Task Force - Climate Change and Nutrition                                                  |
|              | Libertador C Track 1: [144/100] Science Update of Phytonutrients in Aging Societies and Public Health  
                Global Phytonutrient Society (GPS)                                                                 |
|              | Libertador B Track 3: [144/137] Nutritional Profiling – scientific basis, uses and impact on Public Health  
                Brazilian Society for Food and Nutrition (Brazil)                                           |
                IUNS Task Force - Towards Multi-dimensional Indicators of Child Growth and Development     |
|              | La Pampa Track 4: [144/68] New Advances on Ketogenic Therapies                                       
                Carahuel National Paediatric Hospital, Department of Clinical Nutrition (Argentina)        |
|              | Catalinas Track 6: [144/80] Omics tools to understand gene-nutrient interactions: knowledge to action  
                IUNS Task Force - Gene Nutrients Interactions: Knowledge to Action                          |
|              | Retiro C Track 8: [144/1039] New advances in data visualization and mapping: tools for improved  
                decision-making in nutrition                                                                 |
|              | Retiro B Track 7: [144/113] Development of Training and Research in Nutrition and Dietetics in Francophone Afri  
                can Countries                                                                                   |
|              | Retiro A Track 5: [144/119] Immunonutrition in Health and Disease: evaluation of biomarkers          
                International Society for Immunonutrition (ISIN)                                             |
|              | Auditorium: [144/142] Hydration and work (Hidratación y trabajo)                                     
                FEN, SENC α-GLANC (Spain α-Latin America)                                                    |
|              | Golden Horn: International Digs & Projects                                                            |
|              | Atalaya Miscellaneous Tracks: [144/28] Sodium Reduction and Considerations with Mineral Intakes       
                International Life Sciences Institute (LSI) (USA)                                             |
|              | Águila Miscellaneous Tracks: [144/157] Scaling up, sustaining, and spinning off: Alive & Thrive’s lessons on infant and young child feeding in three countries, and implications for beyond Alive & Thrive (USA)  |

**Break**

**13:30-14:30**

**Lunch**

**14:30-15:30**

**15-20 October 2017**

Sheraton Buenos Aires Hotel & Convention Center

Buenos Aires, Argentina
# IUNS 21st ICN International Congress of Nutrition

## Programme

### Thursday, Oct. 19

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session</th>
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</thead>
</table>
| 14:30-15:00   | San Telmo        | **Special Lecture:** Impact evaluation readiness in population-based nutrition programs: examples from food fortification  
                     Prof. Lynnette M. Neufeld & Prof. Valerie M. Friesen                  |
|               | Libertador C     | **Special Lecture:** Inflammation and beta cell failure in Type 2 diabetes  
                     Dr. Gustavo Frechtel                                                   |
|               | Libertador B     | **Special Lecture:** A Community-based strategy for effective implementation of the baby friendly community initiative in rural Kenya: Challenges, Strengths and Opportunities  
                     Prof. Judith Kimiywe                                                  |
|               | Libertador A     | **Special Lecture:** The interface of maternal and child nutrition: how can we do better?  
                     Prof. Zulfigar A. Bhutta                                               |
|               | La Pampa         | **Special Lecture:** Biochemical profile in patients suffering different types of cancer and AIDS.  
                     Prof. Nora H. Slobodianik                                              |
|               | Catalinas        | **Special Lecture:** Membrane Lipid Peroxidation in Human Nutrition and Aging  
                     Prof. Teuro Miyazawa                                                   |
|               | Retiro C         | **Special Lecture:** Why experiencing food insecurity has bad consequences for children and how we can prevent them  
                     Prof. Edward Frongillo                                                 |
|               | Retiro B         | **Special Lecture:** Gastronomy at the Intersection of Nutrition and Education  
                     Prof. Gregorio Varela                                                  |
|               | Retiro A         | **Special Lecture:** HDL cardioprotective capacity: alterations in metabolic disorders  
                     Dr. Fernando D. Brites                                                 |
|               | Auditorium       | **Special Lecture:** Trends in food production and trade  
                     Ing. Agr. Mercedes Nimo                                                |
|               | Golden Horn      | **SY 144/111 - Promoting Nutrigenomic Education in Nutrition, Dietetics and Other Allied Health Curricula, an ISNN Initiative**  
                     International Society for Nutrigenetics and Nutrigenomics (ISNN) (USA) |
|               | Atalaya          | **SY 144/1057 - Why should governments focus on the linkages between nutrition education and food policies?**  
                     FAO & Columbia University (USA)                                         |
|               | Águila           | **Oral Abstract Session**                                                 |

### Break

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:00-19:00</td>
<td></td>
<td><strong>Sponsored Symposium</strong></td>
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<tr>
<td>21:30</td>
<td></td>
<td><strong>Sponsored Symposium</strong></td>
</tr>
</tbody>
</table>
### Friday, Oct. 20

#### 8:00-10:00

| San Telmo  
<table>
<thead>
<tr>
<th>San Telmo Track 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>144/99</strong> - Strengthening Cross-sectional Country Capacity for Evidence - Informed decision - making to scale Institute of Tropical Medicine (RV), North West University (CT), South Africa</td>
</tr>
</tbody>
</table>

| Libertador C  
<table>
<thead>
<tr>
<th>Libertador C Track 1</th>
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<tbody>
<tr>
<td><strong>144/29</strong> - The Changing Nutrition Landscape: implications for research</td>
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</table>

| Catalinas  
<table>
<thead>
<tr>
<th>Catalinas Track 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>144/1037</strong> - Addressing Barriers to Exclusive Breastfeeding: evidence and lessons learnt from Baby Friendly Country Programs USAID’s Maternal and Child Survival Program (MCSP)/PATH (USA)</td>
</tr>
</tbody>
</table>

| Retiro C  
<table>
<thead>
<tr>
<th>Retiro C Track B</th>
</tr>
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<tbody>
<tr>
<td><strong>144/144</strong> - Sweeteners: advantages and applications in the 21st century</td>
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</table>

| Retiro B  
<table>
<thead>
<tr>
<th>Retiro B Track 7</th>
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<tbody>
<tr>
<td><strong>144/41</strong> - Understanding Dietary Patterns: a step toward devising a global nutrition strategy</td>
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</table>

| Retiro A  
<table>
<thead>
<tr>
<th>Retiro A Track 5</th>
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</thead>
<tbody>
<tr>
<td><strong>144/134</strong> - Applying SMART Methods for Micronutrient Program Surveillance</td>
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</table>

| Auditorium  
<table>
<thead>
<tr>
<th>Auditorium (organizational meetings)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>144/135</strong> - Nutritional Management in ICU. Paraguayan Society of Nutrition (Paraguay)</td>
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| Atalaya  
<table>
<thead>
<tr>
<th>Atalaya Miscellaneous Tracks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>144/150</strong> - Glutamate, a simple molecule with several faces</td>
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| Águila  
<table>
<thead>
<tr>
<th>Águila Miscellaneous Tracks</th>
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<tbody>
<tr>
<td><strong>144/33</strong> - Adolescent Nutrition globally: a new frontier for action</td>
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#### 10:00-10:30

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<tbody>
<tr>
<td><strong>10:00</strong> - Plenary Lecture: Our quest for healthy diets: the role of Nutrition Scientists (Prof. Anna Lartey)</td>
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#### 10:30-11:30

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<tbody>
<tr>
<td><strong>10:30</strong> - Presentation of IUNS 22nd ICN</td>
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#### 11:30-11:45

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<tr>
<td><strong>11:30</strong> - Presentation of IUNS Fellows</td>
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#### 11:45-12:00

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<tr>
<td><strong>11:45</strong> - Welcome of the new IUNS President</td>
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#### 12:00-12:05

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<tr>
<td><strong>12:00</strong> - Closing ceremony</td>
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#### 12:05-12:15

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<tbody>
<tr>
<td><strong>12:05</strong> - Closing performance</td>
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#### 12:15-13:00

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<tbody>
<tr>
<td><strong>12:15</strong> - Break</td>
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**Notes:**

- **SY**: Symposium
- **PL**: Plenary Lecture
- **SS**: Sponsored Symposium
- **CO**: Conference
- **AB**: Abstract Presentations
- **CE**: Ceremony
- **OA**: Other Activities
- **Language**: Spanish language
### Monday, Oct. 16

**AFTERNOON 17:00-19:00**

<table>
<thead>
<tr>
<th>Location</th>
<th>Session Title</th>
<th>Organizer</th>
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</thead>
<tbody>
<tr>
<td>Libertador C</td>
<td>144/1045 - Role of Micronutrients for Public Health</td>
<td>DSM Nutritional Products (Switzerland)</td>
</tr>
<tr>
<td>Libertador B</td>
<td>144/1069 - Towards healthier practices: when nutrition epidemiology meets food socio-anthropology</td>
<td>Danone Nutricia Research (France)</td>
</tr>
<tr>
<td>Libertador A</td>
<td>144/1000 - Sustainable and healthy diets: from national dietary guidelines to achieving dietary changes</td>
<td>Fondation Daniel et Nina Carasso (France)</td>
</tr>
<tr>
<td>La Pampa</td>
<td>144/1068 - The Road to Publication</td>
<td>Springer Nature</td>
</tr>
<tr>
<td>Catalinas</td>
<td>144/153 - Eating Patterns and Dietary Intake of Infants, Toddlers and Children: Insights from Cross-Country Analysis</td>
<td>Nestlé Research Center (Switzerland)</td>
</tr>
<tr>
<td>Retiro C</td>
<td>144/1065 - “Infoxicated”: caught in communication</td>
<td>Grupo ARCOR (Argentina)</td>
</tr>
<tr>
<td>Retiro B</td>
<td>144/1033 - Early Detection of malnutrition in the facility and community setting for improved health and economic outcomes</td>
<td>Abbott Nutrition (USA)</td>
</tr>
<tr>
<td>Auditorium</td>
<td>144/20 - Addressing Today’s Nutrition and Public Health Challenges with Food Technology Innovations</td>
<td>Tate &amp; Lyle (USA)</td>
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</tbody>
</table>

### Tuesday, Oct. 17

**AFTERNOON 17:00-19:00**

<table>
<thead>
<tr>
<th>Location</th>
<th>Session Title</th>
<th>Organizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Libertador C</td>
<td>144/1061 - Nuts and dried fruit consumption and health: New insights</td>
<td>International Nut and Dried Fruit Council Foundation (Spain)</td>
</tr>
<tr>
<td>Libertador B</td>
<td>144/1066 - Health impact of sugar intake in infancy and childhood</td>
<td>Nestlé Nutrition Institute (Switzerland)</td>
</tr>
<tr>
<td>Libertador A</td>
<td>144/149 - The role of family in nurturing healthy eating habits in children</td>
<td>Danone Institute International (France)</td>
</tr>
<tr>
<td>La Pampa</td>
<td>144/1005 - Emerging science on bioactives and whole grains</td>
<td>Quaker Oats Center of Excellence (USA)</td>
</tr>
<tr>
<td>Catalinas</td>
<td>144/165 - Nutritional reformulation of food products – a key strategy for improving food supply in Latin America</td>
<td>Nestlé Research Center (Switzerland)</td>
</tr>
<tr>
<td>Retiro C</td>
<td>144/19 - Food Values Project: How emerging global food values are shaping the policy, regulatory and consumer landscape</td>
<td>FoodMinds (USA)</td>
</tr>
<tr>
<td>Retiro B</td>
<td>144/129 - Stevia: An Ally to Support Nutrition and Health</td>
<td>International Stevia Council (Belgium) Calorie Control Council (CCC) (USA)</td>
</tr>
<tr>
<td>Retiro A</td>
<td>144/88 - Is there a Role for Dietary/Food Supplements in Nutrition and Health?</td>
<td>International Alliance of Dietary/Food Supplement Associations (UK)</td>
</tr>
<tr>
<td>Auditorium</td>
<td>144/1010 - Mindful Eating applied to snacking: a behavioral approach supported by recent scientific findings</td>
<td>Mondelez International (USA)</td>
</tr>
<tr>
<td>Atalaya</td>
<td>144/158 - Food fortification: A new vision for an old problem</td>
<td>Lianoster Foundation (Chile)</td>
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</table>
**Wednesday, Oct. 18**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event Description</th>
<th>Organizer</th>
</tr>
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<tbody>
<tr>
<td>17:00-19:00</td>
<td>Libertador C</td>
<td>144/1078 - Liq.In7: Global overview of fluid intake worldwide and public health implications</td>
<td>Danone Nutricia Research (France)</td>
</tr>
<tr>
<td></td>
<td>Libertador B</td>
<td>144/69 - A program to help parents establish healthier eating and lifestyle habits: Healthier Kids</td>
<td>Nestlé Nutrition Institute (Switzerland)</td>
</tr>
<tr>
<td></td>
<td>Libertador A</td>
<td>144/152 - 5th YINI Summit - Fermented Foods and Health: The Intersection of Gut Microbiota and Fermentation Microbes</td>
<td>Yogurt in Nutrition Initiative for a Balanced Diet (YINI) (USA)</td>
</tr>
<tr>
<td></td>
<td>Retiro C</td>
<td>144/1021 - Bread for Health</td>
<td>International Union of Bakers and Confectioners - UIBC</td>
</tr>
<tr>
<td></td>
<td>Retiro B</td>
<td>144/1027 - Nutrients and Beyond Nutrients: Social, cultural, and environmental drivers of food choices globally</td>
<td>General Mills Bell Institute of Health, Nutrition &amp; Food Safety</td>
</tr>
<tr>
<td></td>
<td>Auditorium</td>
<td>144/1012 - Chrononutrition: Chronobiology influence on food intake and metabolic health</td>
<td>Kellogg Nutrition &amp; Health Institute</td>
</tr>
<tr>
<td></td>
<td>Golden Horn</td>
<td>144/1029 - Why Japanese cuisine is healthy?</td>
<td>Ajinomoto Co., Inc. (Japan)</td>
</tr>
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**Thursday, Oct. 19**

<table>
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<th>Event Description</th>
<th>Organizer</th>
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<tr>
<td>17:00-19:00</td>
<td>Libertador C</td>
<td>144/1072 - Young Child Formula: New Science, New Views</td>
<td>Danone Nutricia Research (The Netherlands)</td>
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<tr>
<td></td>
<td>Libertador B</td>
<td>144/1028 - Building a healthier society by helping people to eat well</td>
<td>Ajinomoto Co., Inc. (Japan)</td>
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<tr>
<td></td>
<td>Libertador A</td>
<td>144/172 - Phytochemicals &amp; non-communicable diseases</td>
<td>Sunwins Commodity Sales Co., Ltd &amp; Qingdao University (China)</td>
</tr>
<tr>
<td></td>
<td>La Pampa</td>
<td>144/1015 - Micronutrients for Optimum Health</td>
<td>Bayer Consumer Health (Germany)</td>
</tr>
<tr>
<td></td>
<td>Auditorium</td>
<td>144/1076 - Leche: Importancia nutricional y aplicaciones saludables</td>
<td>Mastellone Hnos. S.A (Argentina)</td>
</tr>
</tbody>
</table>
Auspices & Collaborators

Ministerio de Agroindustria de la Nación, Instituto Nacional de Tecnología Agropecuaria (INTA)

Ministerio de Cultura del Gobierno de la Ciudad Autónoma de Buenos Aires

Ministerio de Salud de la Nación

Ministerio de Salud del Gobierno de la Ciudad Autónoma de Buenos Aires

Ministerio de Turismo de la Nación

Sociedad Argentina de Diabetes

Sociedad Argentina de Gerontología y Geriatría

Sociedad Argentina de Hipertensión Arterial

Sociedad Argentina de Lípidos

Sociedad Argentina de Nefrología

Sociedad de Cirugía Plástica de Buenos Aires

Sociedad Uruguaya de Nutrición – SUNUT

Sociedad Argentina de Urología

Asociación Argentina de Alergía e Inmunología Clínica

Asociación Argentina de Dietistas y Nutricionistas Dietistas

Asociación Argentina de Nutrición Enteral y Parenteral

Asociación Argentina de Tecnólogos Alimentarios

Asociación Argentina de Pediatría

Asociación Argentina para el Estudio del Climaterio

Asociación Médica Argentina

Auspicio Asociación Argentina de Medicina y Cuidados Paliativos

Academia Nacional de Medicina

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Universidad Católica Argentina, Facultad de Ciencias Médicas

Universidad de Morón, Facultad de Ciencias de la Salud

Universidad Nacional de Entre Ríos, Facultad de Ciencias de la Salud

Colegio de Dietistas, Nutricionistas-Dietistas y Licenciados en Nutrición de la Provincia de Buenos Aires

Colegio de Graduados en Nutrición de Salta

Federación Argentina de Graduados en Nutrición

International Life Sciences Institute Argentina

Centro de Estudios sobre Nutrición Infantil
Commercial Exhibition Map
Sponsors

INSTITUTIONAL SUPPORT AND COLLABORATORS
Satellite Programme

**Sunday, October 15**

**Structure**

<table>
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<th>Time</th>
<th>Activities</th>
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<tr>
<td>8.30 - 10.30 h.</td>
<td>Satellite Activities Block 1</td>
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<tr>
<td>10.30 - 11.00 h.</td>
<td>Break</td>
</tr>
<tr>
<td>11.00 - 13.00 h.</td>
<td>Satellite Activities Block 2</td>
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<tr>
<td>13.00 - 14.00 h.</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>14.00 - 16.00 h.</td>
<td>Satellite Activities Block 3</td>
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<tr>
<td>16.00 - 16.30 h.</td>
<td>Break</td>
</tr>
<tr>
<td>16.30 - 18.30 h.</td>
<td>Satellite Activities Block 4</td>
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</table>

**Program Details**

**Sunday, October 15**

**8.30 - 10.30 h.**

**Symposium: 144/36 - Polyphenols: value in human nutrition**

*Room 4 - Libertador A*

Organized by: School of Pharmacy and Biochemistry, University of Buenos Aires (Argentina)

**Chairs:**

Prof. Cesar G. Fraga  

Dr. Angela Mastaloudis  
Nu Skin Enterprises. Pharmanex Research. Provo. USA.

*Polyphenol ADME: How food and physiological factors impact delivery of these bioactive phytochemicals*

**Speaker:**

Prof. Mario Ferruzzi  
• Polyphenols and intestinal function: local and systemic effects
Speaker:
Prof. Patricia Oteiza
Department of Nutrition. University of California. Davis. USA.

• Polyphenols and gut microbiome for a healthy aging. Evidence from clinical studies
Speaker:
María Crisitina Andrés-Lacueva
Facultad de Farmacia y Ciencias de la Alimentación. Universidad de Barcelona. España.

• Flavonoid oxidation products with enhanced antioxidant properties: An emerging paradox
Speaker:
Prof. Hernan Speisky
Nutrition and Food Technology Institute (INTA). University of Chile. Santiago. Chile.

• Flavonols and vascular function: from hypertension to kidney filtration
Speaker:
Prof. Mónica Galleano

• Should we eat more polyphenols?
Speaker:
Prof. Cesar G. Fraga

8.30 - 13.00 h.

Half Day Session: 144/1034 - Leveraging Food Systems to Improve Food Systems and Nutrition
Room 1 - San Telmo
Organized by: FAO, Tufts University & Global Alliance for Improved Nutrition (GAIN) (USA)
Chair:
Dr. Eileen Kennedy
HLPE Member. Friedman School of Nutrition Science and Policy. Tufts University. USA.

• Evidence-based Policies and Programs for Improving the Nutrition Impacts of Food Systems
Speaker:
Dr. Eileen Kennedy
HLPE Member. Friedman School of Nutrition Science and Policy. Tufts University. USA.

• Food Systems Role in Achieving Goals of the Decade of Action for Nutrition
Speaker:
Prof. Anna Lartey
President of the International Union of Nutritional Sciences (IUNS). Director of Nutrition at the Food and Agriculture Organization of the United Nations (FAO). Rome. Italy.
• Why do businesses matter if we want to make food systems more nutrition improving? And how can we incentivise them to so?
Speaker:

Dr. Lawrence Haddad

• Food Systems Importance for Enhancing Micro Nutrient Nutrition
Speaker:

Dr. Klaus Kraemer
Managing Director. Sight and Life. Switzerland. Adjunct Associate Professor. Department of International Health. Johns Hopkins Bloomberg School of Public Health. USA.

• Constructing healthier food environments for consumers and their diets.
Speaker:

Dr. Jessica Fanzo
Bloomberg Distinguished Professor. Johns Hopkins University. USA.

• Panel Discussion
Chair:

Dr. Shauna Downs
Department of Health Systems and Policy. School of Public Health. Rutgers University. USA.

8.30 - 13.00 h.

Half Day Session: 144/1002 - Better Together: Lessons learned from multi-sectoral implementation of nutrition programs
Room 2 - Libertador C
Organized by: John Snow Incorporated (JSI) Research & Training Institute (USA)

• Why is a multi-sectoral approach needed for nutrition, and why is it so hard to actually put it into practice?
Speaker:

Dr. Agnes Guyon

• What have we learned on programming nutrition sensitive agriculture?
Speaker:

Heather Danton
Director. Food Security and Nutrition. SPRING Project. John Snow Incorporated (JSI). USA.

• How health and nutrition can be, and are being, brought together, and what is the unfinished agenda?
Speaker:

Dr. Francesco Branca

• Why is it so important to include WASH in nutrition programs?
Speaker:

Dr. Jennifer Nielsen
Senior Nutrition Advisor. Hellen Keller International. USA.
• Using an innovative tool to address anemia at the district level: Experiences from Ghana, Nepal, and Uganda
Speaker: Danya Sarkar
Nutrition Specialist. Anemia Team. SPRING Project. JSI. USA.

• A multi-sectoral approach to engaging district government in joint planning, budgeting, and implementation – The RING Project in Ghana
Speaker: Dr. Agnes Guyon

• Building bridges across sectors to address the dual burden of malnutrition
Speaker: Amanda Pomeroy-Stevens
Senior Technical Advisor. John Snow, Inc. (JSI). USA.

• Multiple behavioral themes in one strategy and one program – Experiences from multiple countries
Speaker: Marcia Griffiths
President. The Manoff Group. USA.

• Measuring and making use of time use data in integrated programs: Suahara II’s experience with the Women’s Empowerment in Agriculture Index and community time diary activities in Nepal
Speaker: Dr. Kenda Cunningham

• Programmatic approaches to impact dietary diversity – Experiences from multiple countries
Speaker: Altnena Mukuria
Director of Country Initiatives. SPRING Project. Save the Children. USA.

• Marketing of complementary foods: Findings from multiple countries – The ARCH Project
Speaker: Elizabeth Zehner
Director. ARCH Project. Helen Keller International. USA.

• Platforms to reach adolescents to improve nutrition
Speaker: Peggy Koniz-Booher
Senior Nutrition/SBCC Technical Advisor. SPRING Project. John Snow, Inc. (JSI). USA.

• Community video: An adaptable and effective tool for nutrition social and behavior change
Speaker: Philip Moses
MPH. SPRING Project. JSI Research and Training Institute, Inc. USA.
• **Challenges and potential solutions in research, monitoring, and evaluation of multi-sectoral nutrition projects: experiences from SPRING**

Speaker:

**Timothy Williams**
Senior Strategic Information Advisor. SPRING Project. John Snow, Inc. (JSI). USA.

• **Closing Remarks**

Speaker:

**Jeniece Alvey**
Nutrition Advisor. USAID Office of Maternal and Child Health and Nutrition/CHFPII. USA.

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**8.30 - 13.00 h.**

**Half Day Session: 144/156 - Malnutrition in all its forms and socioeconomic indicators in Latin America: Who are more affected?**

**Room 3 - Libertador B**

Organized by: Latin American Society of Nutrition (SLAN) & Iberoamerican Nutrition Foundation (FINUT)

• **Introduction**

Chairs:

**Prof. Juan Ángel Rivera Dommarco**

**Prof. Ángel Gil**
Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.

• **Malnutrition in all its forms and socioeconomic indicators in Argentina**

Speaker:

**MSc. María Elisa Zapata**

• **Malnutrition in all its forms and socioeconomic indicators in Bolivia**

Speaker:

**Dr. Melissa Miranda**
Institute of Nutrition and Food Technology (INTA). University of Chile. Santiago. Chile.

• **Malnutrition in all its forms and socioeconomic indicators in Brazil**

Speaker:

**Dr. Daniela Canella**

• **Malnutrition in all its forms and socioeconomic indicators in Chile**

Speaker:

**MSc. Deborah Navarro Rosenblatt**
University of Chile. Santiago. Chile.

• **Malnutrition in all its forms and socioeconomic indicators in Colombia**

Speaker:

**Dr. Gustavo Cediel**
• Malnutrition in all its forms and socioeconomic indicators in Ecuador
  Speaker:
  MSc. María José Ramírez-Luzuriaga
  Emory University. Atlanta. USA.

• Malnutrition in all its forms and socioeconomic indicators in Guatemala
  Speaker:
  MSc. Monica Mazariegos
  Institute of Nutrition of Central America and Panama (INCAP). Guatemala.

• Malnutrition in all its forms and socioeconomic indicators in Mexico
  Speaker:
  Dr. Carolina Batis

• Malnutrition in all its forms and socioeconomic indicators in Peru
  Speaker:
  MSc. Katherine Curi Quinto
  Institute of Nutrition and Food Technology (INTA). University of Chile. Santiago. Chile.

• Malnutrition in all its forms and socioeconomic indicators in Uruguay
  Speaker:
  Dr. María Cecilia Severi

• Conclusions
  Chair:
  Prof. Juan Ángel Rivera Dommarco

8.30 - 13.00 h.

Half Day Session: 144/145 - Avances y controversias de la nutrición en Latinoamérica
Room 6 - Catalinas
Organized by: GLANC & SENC (Spain & Latin America)
Chairs:
Prof. Javier Aranceta Bartrina
Universidad de Navarra. Spain. Presidente del Comité Científico de la SENC.
Dr. Marcela Leal
Universidad Maimónides. Argentina.
Dr. Stella Maris García de Kralj
Empresa Galeno. Argentina.
Dr. Carmen Pérez-Rodrigo
Presidenta Sociedad Española de Nutrición Comunitaria. España.

• MESA 1: Caracterización alimentaria y nutricional del desayuno en Hispanoamérica
  Chair:
  Prof. Javier Aranceta Bartrina
• Desayuno, rendimiento y equilibrio alimentario: ¿cómo desayunan los españoles?

Speaker:

Dr. Carmen Pérez-Rodrigo
Presidenta Sociedad Española de Nutrición Comunitaria. España.

• Desayuno, obesidad e inseguridad alimentaria en Colombia y Venezuela

Speaker:

Dr. Inés Jennifer Bernal Rivas
Universidad Simón Bolívar. Venezuela.

• Hábito y calidad nutricional del desayuno en estudiantes que cursan la carrera de Licenciatura en Nutrición en la Universidad Nacional de Córdoba.

Speaker:

Dr. Ana Virginia Asaduroglu

• El desayuno en escolares de Perú: Comparación entre áreas rurales y urbanas en el proyecto INCOS

Speaker:

Dr. Victoria Arija

• El desayuno en Paraguay: aspectos cuantitativos y cualitativos

Speaker:

Prof. Rafael Figueredo Grijalba
University of Asuncion. Paraguay

• MESA 2: La alimentación de nuestros adultos mayores en Latinoamérica (I)

Chairs:

Dr. Marcela Leal
Universidad Maimónides. Argentina.

Dr. Stella Maris García de Kralj
Empresa Galeno. Argentina.

• Vulnerabilidad alimentaria nutricional en el adulto mayor. Métodos para su medición

Speaker:

Dr. Inés Jennifer Bernal Rivas
Universidad Simón Bolívar. Venezuela.

• Evaluación nutricional de población de adultos mayores de comunidades rurales de Chiapas, México.

Speaker:

Prof. Vidalma del Rosario Bezares Sarmiento

• MESA 3: La alimentación de nuestros adultos mayores en Latinoamérica (II)

Chairs:

Prof. Lluis Serra-Majem
Universidad de Las Palmas de Gran Canaria. Presidente de la Academia Española de Nutrición y Ciencia Alimentaria. España.

Dr. Delia Ana Nin
Universidad Nacional de Comahue. Neuquen (Argentina).
• Estudio observacional sobre vulnerabilidad alimentaria nutricional en adultos mayores. Caso argentino.
   Speaker:  
   Dr. Stella Maris Garcia de Kralj  
   Empresa Galeno. Argentina.

• Luces y sombras de la alimentación en los adultos mayores en España: a propósito del estudio ANIBES  
   Speaker:  
   Prof. Gregorio Varela-Moreiras  

• Adecuación alimentaria y nutricional en la ración del desayuno y en los aportes dietéticos ofertados a adultos mayores: una mirada al futuro.  
   Speaker:  
   Prof. Javier Aranceta Bartrina  

8.30 - 13.00 h.  
Half Day Session: 144/1056 - From Evidence to Policy: What it takes to Bridge the Gap  
Room 7 - Retiro C  
Organized by: MQSUN & Nutrition Embedding Evaluation Programme (NEEP)

8.30 - 13.00 h.  
Half Day Session: 144/138 - Educación nutricional por FESNAD en España  
Room 8 - Retiro B  
Organized by: Federation of Spanish Nutrition & Dietetics Societies (FESNAD) (Spain)  
Chairs:  
Dr. Carmen Gómez-Candela  
Coordinator of the 1st FESNAD Conference. Spain.  
Prof. Jordi Salas-Salvadó  
2nd President of FESNAD. Spain.  
• Introduction: Analysis of nutritional patterns for a precision nutrition  
   Speaker:  
   Prof. J. Alfredo Martínez  
• Healthy food for pregnant and lactating women. Activities related to the National Nutrition Day  
   Speaker:  
   Dr. Victoria Arija  
• **Importance of health TICs on Nutritional Education**
  Speaker:
  **Prof. Mercedes López-Pardo**
  Association of Nurses in Nutrition and Dietetics (ADENYD). Spain.

• **Nutritional education at school**
  Speaker:
  **Prof. Isabel Polanco**

• **Hospital dietotherapy and undernutrition. Educating professionals.**
  Speaker:
  **Rosana Ashbaugh**

• **Statement on dietary fat**
  Speaker:
  **Dr. Pilar Riobó**

• **Dairy products and cardiovascular risk**
  Speaker:
  **Prof. Jordi Salas-Salvadó**
  Human Nutrition Unit, Faculty of Medicine and Health Sciences, Rovira i Virgili University, Reus and CIBEROBN, Instituto de Salud Carlos III, Spain.

• **Statement on Obesity**
  Speaker:
  **Prof. Ascensión Marcos**
  Full Research Professor at CSIC. Institute of Food Science and Technology. CSIC. Madrid. Spain.

• **Hydration: Are we really well hydrated?**
  Speaker:
  **Dr. Antonio Villarino**
  President of the Spanish Society of Dietetics and Food Science (SEDCA). FESNAD Board Member. Spain.

• **Remarks on FESNAD future projects**
  Speaker:
  **Dr. Ignacio Sánchez**
  Spanish Society of Doctors and Graduates in Food Science and Technology (ALCYTA). Spain.

Nota: Este simposio se impartirá en español / Note: This symposium will be held in Spanish

8.30 - 13.00 h.

**Half Day Session: 144/159 - Cohort studies in Ibero-America**

**Room 9 - Retiro A**

Organized by: Ibero-American chapter of the DOHaD Society (Chile)

Chair:

**Dr. Francisco José Mardones Santander**

Professor of Public Health. Pontifical Catholic University of Chile. President of the Ibero-American Chapter of the DOHaD Society. Chile.
• The INCAP longitudinal study: four decades of follow up
Speaker:

Prof. Aryeh Stein
Hubert Department of Global Health and Department of Epidemiology. Rollins School of Public Health. Emory University. Atlanta, Georgia. USA.

• A look into pregnancies in Venezuela: the impact of adverse conditions in pregnancy development and newborns.
Speaker:

Dr. Marianella Herrera Cuenca

• Early life factors and childhood habits influencing excess body weight in a Spanish multicultural cohort (CALINA cohort, Zaragoza).
Speaker:

Prof. Gerardo Rodriguez Martinez
Professor of Pediatrics. Hospital Clínico Universitario ‘Lozano Blesa’. University of Zaragoza. Spain.

• Protein and caloric deficit during the neonatal period in Infants with birth weight less than 1500 g and its association with blood pressure in adolescence
Speaker:

Prof. Claudio Solana
Head of the Neonatology Division. Sardá Hospital. Buenos Aires. Argentina.

• Assessing The Impact of Growth Trajectory of Very Low Birth Weight Infants on Executive Functions at 11 Years of Age.
Speaker:

Dr. Silvana Vivas

• The Limache, Chile, brith cohort study.
Speaker:

Prof. Hugo Amigo
Professor. Department of Nutrition. Faculty of Medicine. University of Chile. Chile.

• Retrospective cohorts studies in Chile
Speaker:

Dr. Francisco José Mardones Santander
Professor of Public Health. Pontifical Catholic University of Chile. President of the Ibero-American Chapter of the DOHaD Society. Chile.

• Critical Windows for Prevention of Obesity and Associated Conditions: the GOCS and CHIMINO Chilean cohorts
Speakers:

Dr. Camila Corvalán-Aguilar
Institute of Nutrition and Food Technology (INTA). University of Chile. Santiago. Chile.

Dr. María Luisa Garmendia
Institute of Nutrition and Food Technology (INTA). University of Chile. Santiago. Chile.
8.30 - 13.00 h. **Half Day Session: 144/1007 - ICAN Symposium: Nutrition and management of diseases**

*Room 10 - Auditorium*

Organized by: International College of Advancements of Nutrology (ICAN) (Brazil)

Chair:

**Prof. Socorro Giorelli**

International Colleges for the Advancement of Nutrology (ICAN). Brazil.

- **Metabolic Issues in Obesity**
  
  Speaker:
  
  **Dr. Ana María Ferreira Heyn**
  

- **Obesity and epigenetics**
  
  Speaker:
  
  **Prof. Rita Raman**
  
  Professor of Pediatrics at the University of Oklahoma Health Sciences Center. Attending Neonatologist at The Children’s Hospital Neonatal Intensive Care Unit. International Colleges for the Advancement of Nutrology (ICAN). University of Oklahoma. USA.

- **Obesity and Sleep Disorders**
  
  Speaker:
  
  **Prof. Paulo Giorelli**
  
  MD. Ms. International Colleges for the Advancement of Nutrology (ICAN). Brazil.

- **Exercise and Diet**
  
  Speaker:
  
  **Prof. Guilherme de Vieira Giorelli**
  

- **Collagen supplement for health of the skin, cartilage and muscles, current myths and truths**
  
  Speaker:
  
  **Dr. Marcella Garcez Duarte**
  
  MD. Associação Brasileira de Nutrologia. Brazil.

- **Nutritional support of post-bariatric patients**
  
  Speaker:
  
  **Dr. Carlos Barozzi**
  

11.00 - 13.00 h. **Symposium: 144/1008 - Cracking the egg potential to reduce child stunting and improve rural livelihoods**

*Room 4 - Libertador A*

Organized by: Children’s Investment Fund Foundation (UK)

- **Introduction**
  
  Chairs:
  
  **Dr. Chessa Lutter**
  
  RTI International and University of Maryland School of Public Health. Washington DC. USA.
Dr. Saul Morris
Children’s Investment Fund Foundation (CIFF) – Global Alliance for Improved Nutrition (GAIN)

• The Lulun Project: results from a randomized controlled trial using eggs to improve linear growth among young children in Ecuador

Speaker:

Dr. Lora Iannotti
Washington University. USA.

• Putting our eggs in more than one basket – lessons learned from working with multiple sectors in rural Ghana.

Speaker:

Dr. Grace Marquis
McGill University

• Social marketing as a means to build community engagement in nutrition-sensitive and nutrition-specific interventions

Speaker:

Carlos Andres Gallegos
Washington University. Ecuador.

• One Acre Fund: Scaling up smallholder farmers’ access to poultry in East Africa

Speaker:

Ms. Emily Lloyd
One Acre Fund

• Summary

Speaker:

Dr. Saul Morris
Children’s Investment Fund Foundation (CIFF) – Global Alliance for Improved Nutrition (GAIN)

13.00 - 14.00 h. Break

14.00 - 16.00 h. Symposium: 144/1020 - Innovative Methods and Metrics for Agriculture and Nutrition Actions

Room 2 - Libertador C

Organized by: London School of Hygiene & Tropical Medicine (UK)

Chairs:

Dr. Suneetha Kadiyala
London School of Hygiene & Tropical Medicine (LSHTM). United Kingdom.

Prof. William A. Masters
Friedman School of Nutrition Science and Policy. Tufts University. USA.

• Application of methods and metrics emerging from the IMMANA Fellowships Programme

Speaker:

Prof. William A. Masters
Friedman School of Nutrition Science and Policy. Tufts University. USA.
• Application of methods and metrics emerging from IMMANA Grants
  Speaker:
  Dr. Suneetha Kadiyala
  London School of Hygiene & Tropical Medicine (LSHTM). United Kingdom.

• Leveraging value chains to improve nutrition: collaborative learning initiative on methods and metrics for improving the identification, design and evaluation of interventions
  Speaker:
  Dr. Aulo Gelli
  International Food Policy Research Institute. USA.

• Developing an innovative approach to measuring the livelihoods of smallholder farmers and testing critical linkages from farmer livelihoods to nutrition
  Speaker:
  Dr. Andrew Jones
  University of Michigan. USA.

• Women’s empowerment in livestock-focused agriculture: Identifying and understanding pathways to impact for maternal and child nutrition in East Africa
  Speaker:
  Dr. Amy Webb-Girard
  Rollins School of Public Health. Emory University. USA.

• Indicators of Affordability of Nutritious Diets in Africa (IANDA)
  Speaker:
  Prof. William A. Masters
  Friedman School of Nutrition Science and Policy. Tufts University. USA.

• ANH Academy Food Environment Working Group: Conceptualising the nexus of food systems, food procurement, consumption patterns, policy and public health.
  Speaker:
  Dr. Suneetha Kadiyala
  London School of Hygiene & Tropical Medicine (LSHTM). United Kingdom.

14.00 - 16.00 h. Symposium: 144/1030 - Promotion and consumption of commercially-produced snacks during the complementary feeding period: Country experiences, policy implications
  Room 5 - La Pampa
  Organized by: Helen Keller International, ARCH Project
  Chairs:
  Dr. Victoria Quinn
  Senior Vice President of Programs. Helen Keller International. USA.
  Elizabeth Zehner
  Director. ARCH Project. Helen Keller International. USA.
• **Snacks and nutrition during the complementary feeding period: a cross-sectional study among children 12-23 months of age in Kathmandu Valley, Nepal**  
   Speaker:  
   **Dr. Alissa Pries**  
   Helen Keller International (HKI). USA.

• **Consumption and Promotion of commercially produced snack foods and sugar-sweetened beverages during the complementary feeding period in four African and Asian urban contexts.**  
   Speaker:  
   **Elizabeth Zehner**  
   Director. ARCH Project. Helen Keller International. USA.

• **Assessment of Promotion and Use of Commercial Snack Foods in Bandung City, Indonesia**  
   Speaker:  
   **Dian Hadihardjono**  

• **Restricting marketing of commercially-produced snack foods and sugar-sweetened beverages to young children: the experience of Chile**  
   Speaker:  
   **Dr. Anna Christina Pinheiro Fernandes**  

• **Front-of-package labelling: how it can be used to protect child nutrition**  
   Speaker:  
   **Dr. Chessa Lutter**  
   RTI International and University of Maryland School of Public Health. Washington DC. USA.

• **Commentary**  
   Chair:  
   **Dr. Ellen Piwoz**  
   Senior Program Officer, in the Nutrition Division of Global Development Program of the Bill & Melinda Gates Foundation. Seattle, USA

14.00 - 16.00 h. **Symposium: IUNS Early Career Travel Grants Meeting**  
**Room 12 - Atalaya**  
Organized by: International Union of Nutritional Sciences (IUNS)  
Chair:  
**Prof. Anna Lartey**  
President of the International Union of Nutritional Sciences (IUNS). Director of Nutrition at the Food and Agriculture Organization of the United Nations (FAO). Rome. Italy.

• **Mission, Vision and Aim of IUNS**  
   Speakers:  
   **Prof. Catherine Geissler**  
   Secretary General of the International Union for Nutritional Sciences (IUNS). United Kingdom.
Prof. Helmut Heseker

Prof. J. Alfredo Martínez

Dr. Vishweshwaraiah Prakash
Distinguished Scientist of CSIR-INDIA. Vice President of IUNS. India.

14.00 - 18.30 h.

Half Day Session: 144/1013 - WHO Workshop on the Tracking Tool to monitor the Global Nutrition Targets for 2025
Room 1 - San Telmo
Organized by: World Health Organization (WHO)

• The Global Nutrition Targets for 2025
Chair:

Dr. Mercedes De Onis

• Monitoring global and national commitments: the Tracking Tool
Speaker:

Dr. Elaine Borghi

• Hands-on training on the Tracking Tool: stunting scenarios
Speaker:

Dr. Monica Flores-Urrutia

• Hands-on training on the Tracking Tool: overweight scenarios
Speaker:

Dr. Elaine Borghi

Note: Participants will need to bring their computers and have the software “Flash Media” already installed as it is a hands-on session for which this is a must.

14.00 - 18.30 h.

Half Day Session: 144/1026 - Farm to Fork—Pathways to Nutrition Outcomes and Implementation Challenges of Integrated Agriculture-Programs
Room 3 - Libertador B
Organized by: Helen Keller International (HKI) (USA)

• Part A: Implementation challenges for integrated nutrition sensitive agriculture programs
Chair:

Dr. Bonnie McClafferty
GAIN. Director. Agriculture and Nutrition. USA.
• Part A: Why are integrated nutrition sensitive agriculture programs necessary and what are the implementation challenges?
Speaker:
Dr. Stella Nordhagen
• Part A: Response to Overview Talk
Speakers:
Dr. Ame Stormer
Dr. Jan Low
International Potato Center. USA.
• Part A: Case Study: Creating Homestead Agriculture for Nutrition and Gender Equity (CHANGE) project
Speaker:
Dr. Tom van Mourik
Regional Agricultural Adviser. Senegal.
• Part A: East Africa Diary Development Project
Speaker:
Dr. Kwame Akoto Osei
• Part B: Evidence of impact of integrated agriculture-nutrition programs
Chair:
Dr. Rolf Klemm
Vice President for Nutrition. Helen Keller International. USA.
• Part B: Update on evidence of the contributions of agriculture-nutrition programs to improving nutrition
Speaker:
Dr. Marie Ruel
• Part B: Designing and implementing complex monitoring, evaluation, and research systems for complex nutrition programs: Suaahara II as a case study
Speaker:
Dr. Kenda Cunningham
• Part B: Measuring impact in the RAIN project in Zambia
Speaker:
Dr. Rahul Rawat
Program Officer. Bill and Melinda Gates Foundation. USA.
• Part B: Lessons learned and a pathway forward for measurement in HKI’s programs in Asia
Speaker:
Mr. Gary Mundy
Regional Monitoring and Evaluation Adviser-Asia-Pacific Region. Helen Keller International.
Half Day Session: 144/1003 - The role of biodiversity in improving diets, nutrition and health.

Room 4 - Libertador A
Organized by: Fondation Daniel et Nina Carasso (France)

• PART I - The role of biodiversity in improving diets: Keynote I - The role of biodiversity in improving diets.
  Chair:
  **Dr. Jessica Fanzo**
  Bloomberg Distinguished Professor. Johns Hopkins University. USA.
  • Sustainable diets as an ecosystem service - a review.
  Speaker:
  **Prof. Barbara Burlingame**
  • Discussion of biofortification and the sustainable intensification agriculture models.
  Speaker:
  **Dr. Howarth Bouis**
  Founding Director HarvestPlus USA
  • Presentation of recent projects linking agrobiodiversity with dietary diversity and health outcomes.
  Speaker:
  **Dr. Andrew Jones**
  University of Michigan. USA.
  • Nutrition-sensitive landscapes and diversity in food systems
  Speaker:
  **Dr. Gina Kennedy**
  Senior Scientist. Bioversity International. USA.
  • PART II - Towards sustainable food systems - Why we need a transformation and what can be done
  Chair:
  **Dr. Emile Frison**
  Chair, International Scientific Committee on Sustainable food systems and diets. Member, International Panel of Experts on Sustainable Food Systems. Belgium.
  • Keynote I - What are the environmental and social outcomes of current food production systems from a political economy analysis of the power relations that play a major role in shaping these systems.
  Speaker:
  **Dr. Emile Frison**
  Chair, International Scientific Committee on Sustainable food systems and diets. Member, International Panel of Experts on Sustainable Food Systems. Belgium.
• What consumer can and should do to foster the necessary transformation of food systems.
  Speaker: Prof. Claude Fischler
  National Center for Scientific Research (CNRS) & Director of the Interdisciplinary Institute of Contemporary Anthropology. France.
• What is the private sector doing to move toward more sustainable food systems: example from Danone and the FRESH initiative.
  Speaker: Dr. Agnes Martin
• Keynote II - What are the health outcomes of our food systems from a political economy analysis of the power relations that play a major role in shaping these systems?
  Speaker: Dr. Cecilia Rocha
• What is being done in Latin America to transition to sustainable production of food?
  Speaker: Prof. Ricardo Uauy

14.00 - 18.30 h.

Half Day Session: 144/1006 - Tools to promote tailored intervention programs in nutritional deprived elderly living communities

Room 6 - Catalinas
Organized by: PRONUTRISENIOR Project, University of Porto (Portugal)
• Introduction to the symposium
  Chair: Prof. Maria Daniel Vaz de Almeida
  Faculty of Nutrition and Food Sciences. University of Porto. Portugal.
• Holistic approach to the study of free living elderly: lessons from the Pronutrisenior project
  Speaker: Prof. Liv Elin Torheim
  Oslo and Akerhus University College of Applied Sciences. Norway.
• Elderly meals in Sweden
  Speaker: Prof. Agneta Yngve
  Department of Food, Nutrition and Dietetics. Uppsala University. Sweden.
• Results from a resistant training intervention in elderly and how to stimulate participation
Speaker:
Prof. Inga Thorsdottir
Unit for Nutrition Research. Faculty of Food Science and Nutrition. School of Health Sciences. University of Iceland. Reykjavik. Iceland.

• Food classes for the elderly
Speaker:
Dr. Margaretha Nydahl
Department of Food, Nutrition and Dietetics. Uppsala University. Sweden.

• Factors influencing nutritional status of elderly at an outpatient clinic for heart failure
Speaker:
Prof. Bryndis Eva Birgisdottir
School of Health Sciences. University of Iceland. Reykjavik. Iceland.

14.00 - 18.30 h.

Half Day Session: 144/1044 - Nutrición y Gastronomía en América Latina: Retos y Oportunidades
Room 7 - Retiro C
Organized by: Spanish Nutrition Foundation & Iberoamerican Academy of Gastronomy
Chair:
Prof. Gregorio Varela-Moreiras

• Binomio nutrición-gastronomía: placer-bueno, necesidad-sano, y hábitos alimentarios
Speaker:
Prof. Emilio Martinez de Victoria
Universidad de Granada. España.

• Diversidad y composición de los alimentos en Latinoamérica
Speaker:
Dr. Irina Kovalskys

• La cocina de la libertad: un modelo probado para Iberoamérica
Speaker:
Dr. Rafael Ansón
Presidente Academia IberoAmericana de Gastronomía. España.

• Buenos Aires: Capitalidad Iberoamericana en Gastronomía
Speaker:
María Podestá
Presidenta Academia Argentina de Gastronomía. Argentina.
- Momento actual de la Gastronomía en Iberoamérica  
  Speaker:  
  **Dr. Alejandro F. Maglione**  
  Academia Argentina de Gastronomía. Argentina.

- Evolución y revolución de la cocina Iberoamericana  
  Speaker:  
  **Dante Liporace**  

- Alimentación Sostenible: una necesidad en nutrición y gastronomía  
  Speaker:  
  **Prof. Lluis Serra-Majem**  
  Universidad de Las Palmas de Gran Canaria. Presidente de la Academia Española de Nutrición y Ciencia Alimentaria. España.

- Gastronomía y Nutrición en el ámbito educativo  
  Speaker:  
  **Prof. Gregorio Varela-Moreiras**  

Nota: Este simposio se impartirá en Español / Note: This symposium will be held in Spanish

14.00 - 18.30 h.  
**Half Day Session: 144/1038 - ‘Fill the Nutrient Gap’ with ‘Cost of the Diet’ to inform Nutrition Policy and Programming**  
**Room 9 - Retiro A**  
Organized by: World Food Programme (WFP) & Save the Children

- **Introduction to the Fill the Nutrient Gap (FNG) approach to situation analysis and decision making**  
  Chair:  
  **Dr. Saskia De Pee**  
  World Food Programme. Rome. Italy.

- **Implementing the FNG - in-country process and data sourcing**  
  Speaker:  
  **Giulia Baldi**  
  World Food Programme (WFP). Italy.

- **Contributions of FNG analysis to country policies and programs**  
  Panelists:  
  **Felix Pensulo Phiri**  
  Department of Nutrition HIV and AIDS. Malawi.  
  **To be confirmed (El Salvador)**  
  **To be confirmed (Cambodia)**  
  **Aslam Shaheen**  

- **What can Cost of the Diet analysis tell us?**  
  Speaker:  
  **Assumpta Ndumi Ngombalu**  
  Save the Children. Kenya.
How is a Cost of the Diet analysis conducted?
Speaker:
Dr. Amy Deptford
World Food Programme (WFP). United Kingdom.

Modeling with Cost of the Diet and informing FNG analysis
Speaker:
Indira Bose
World Food Programme (WFP). Italy.

Reflections on FNG from collaborating institutions
Panelists:
Prof. Kathryn G. Dewey
University of California. Davis. USA.
Dr. Emorn Udomkesmalee
Senior Advisor, Institute of Nutrition. Mahidol University. Thailand. Adjunct Associate Professor, Department of International Health, Johns Hopkins Bloomberg School of Public Health. USA.
Dr. Jef Leroy
International Food Policy Research Institute. USA.
Natalie Roschnik
Save the Children. United Kingdom.

14.00 - 18.30 h.
Half Day Session: 144/1025 - Perspectives on nutrient density: Too high and too low
Room 10 - Auditorium
Organized by: CeSSIAM - The Center for Studies of Sensory Impairment, Aging and Metabolism (Guatemala)

Nutrient-energy density: Origins of the concept
Speaker:
Prof. Adam Drewnowski
Center for Public Health Nutrition. University of Washington. USA

Application of the concept in a public health context
Speaker:
Prof. Noel W. Solomons
Centre for Studies of Sensory Impairment, Aging and Metabolism (CeSSIAM). Guatemala.

A case from Europe: Nutrient density and weight maintenance diets
Speaker:
Prof. Manfred Eggersdorfer
DSM Nutritional Products. Switzerland. University Medical Center Groningen. The Netherlands.
A case from Guatemala: Situational low-energy intake
Speaker: Dr. Marieke Vossenaar
Centre for Studies of Sensory Impairment, Aging and Metabolism (CeSSIAM). Guatemala.

Biofortification of staple foods as a solution
Speaker: Dr. Erick Boy-Gallego
Harvest Plus. Washington, DC, USA.

Food fortification addressing dietary needs as a solution
Speaker: Dr. Petra Klassen
Nestlé. Switzerland.

Novel home-fortification for lactating women
Speaker: Melissa Bonorden
Hormel Foods Corporation. USA.

14.00 - 18.30 h.

Half Day Session: 144/1049 - Scaling Up Rice Fortification in Latin America and the Caribbean: translating evidence to practice for demand creation and effective programming
Room 11 - Golden Horn
Organized by: World Food Programme (WFP). Regional Bureau for Latin America and the Caribbean, Nutrition Unit.

Session Introduction: overview of the status of rice fortification in the LAC region, progress to date and the way forward
Chair: MSc. Marc-André Prost
World Food Programme. Regional Bureau for Latin America and the Caribbean. Panama.

Launch of the Sight & Life Special Supplement on Scaling Up Rice Fortification in Latin America and the Caribbean: translating the evidence base into concrete plans for demand creation and effective programming
Speaker: Dr. Klaus Kraemer
Managing Director. Sight and Life. Switzerland. Adjunct Associate Professor. Department of International Health. Johns Hopkins Bloomberg School of Public Health. USA.

Common success factors in effective fortification programmes in the region
Speaker: Dr. Helena Pachón

RECESS: Snacks and fortified rice tasting
Snacks and fortified rice tasting
• The Communication Dilemma: should the introduction of a fortified staple food be accompanied by a behavior change communications strategy?
  Speaker:
  **Dr. Anabelle Bonvecchio Arenas**
• Roundtable discussion with countries working on rice fortification in the region
  Moderator:
  **MS Laura Irizarry**
  Nutrition Specialist. World Food Programme. Regional Bureau for Latin America and the Caribbean. Panama.
• Costa Rica: a successful model of an effective national rice fortification programme.
  Discussant:
  **Dr. Jose Antonio Martinez-Fonseca**
• Panama: is legislation enough to support a successful rice fortification programme?
  Discussant:
  **José Renan de León**
  Head of the Nutritional Health Department. Ministry of Health. Panama.
• Dominican Republic: a national commitment towards the rapid implementation of mandatory rice fortification.
  Discussant:
  **Dr. Susana Santos**

Nota: Este simposio se impartirá en Español con traducción simultánea / Note: This symposium will be held in Spanish with simultaneous translation

16.30 - 18.30 h. **Symposium: 144/1058 - First-Foods: Accelerating progress to improve the quality of complementary foods and feeding practices for children**
**Room 2 - Libertador C**
Organized by: UNICEF Nutrition HQ (USA)
• Welcome and Introduction
  Chair:
  **Dr. Víctor Aguayo**
  Associate Director, Programme Division | Chief, Nutrition Programme. UNICEF Headquarters. New York. USA.
• Complementary feeding practices: Current global and regional estimates and links with stunting
  Speaker:
  **Dr. France Begin**
  Senior Advisor, Infant & Young Child Nutrition, Nutrition Section. UNICEF. New York.
• **Consumption of commercial snack food products in young children**  
  Speaker:  
  **Dr. Alissa Pries**  
  Helen Keller International (HKI). USA.

• **Using behavior changes to improve complementary feeding practices**  
  Speaker:  
  **Dr. Tina Sanghvi**  
  Alive & Thrive. FHI 360. USA.

• **Linking agriculture and nutrition education to improve access to quality foods for young children**  
  Speaker:  
  **Dr. Ramani Wijesinha Bettoni**  
  Nutrition Division. Food and Agriculture Organization of the United Nations (FAO). Italy.

• **Role of private sector in improving complementary feeding**  
  Speaker:  
  **Dr. Saul Morris**  
  Children's Investment Fund Foundation (CIFF) – Global Alliance for Improved Nutrition (GAIN)

• **Commentary – time to revise the complementary feeding guidelines?**  
  Speaker:  
  **Prof. Laurence Grummer-Strawn**  

• **Discussion and questions from the audience**

16.30 - 18.30 h.  
**Symposium: 144/1032 - Application of WHO guidelines on optimal blood folate concentrations to prevent NTDs in countries**

**Room 5 - La Pampa**  
Organized by: World Health Organization (WHO)  
Chair:  
**Dr. Lisa Marie Rogers**  
World Health Organization. Switzerland.  
co-Chair:  
**Dr. Michael Cannon**  
National Center of Congenital and Developmental Disorders. US Centers for Disease Control and Prevention (CDC). USA.

• **Guideline: Optimal serum and red blood cell folate concentrations in women of reproductive age for prevention of neural tube defects**  
  Speaker:  
  **Dr. Lisa Marie Rogers**  
  World Health Organization. Switzerland.
• How much folic acid intake is needed to prevent folate-sensitive neural tube defects?
Speaker:
Dr. Michael Cannon
National Center of Congenital and Developmental Disorders. US Centers for Disease Control and Prevention (CDC). USA.

• Impact of national and regional red blood cell folate and vitamin B12 concentrations on neural tube defects: Predicted vs observed risk: The case of Belize
Speaker:
Dr. Jorge Rosenthal
National Center of Congenital and Developmental Disorders. US Centers for Disease Control and Prevention (CDC). USA.

• Folate and vitamin B12 status among non-pregnant women of reproductive age in Malawi, 2015-2016
Speaker:
Eunice Nyirenda
Ministry of Agriculture and Food Security. Malawi.

• Folate and vitamin B12 status among non-pregnant women of reproductive age in rural areas in Haryana, India, 2017
Speaker:
Dr. Reena Das
Post Graduate Institute of Medical Education & Research. India

• Periconceptional Surveillance for prevention of anemia and birth defects in Southern India.
Speaker:
Dr. Julia Finkelstein
Division of Nutritional Sciences. Cornell University. USA.

16.30 - 18.30 h. Symposium: 144/1070 - Processed Foods: Food Technology for Better Nutrition
Room 8 - Retiro B
Organized by: Arg. Assoc. of Food Technologists & Lat. Am. & Caribbean Assoc. of Food Science & Technology
Chairs:
Dr. Susana Socolovsky
President of the Argentine Association of Food Technologists (AATA). Argentina.
Eng. Jairo Romero
CFS - President of the Latin American and Caribbean Association of Food Science and Technology (ALACCTA). Colombia.

• How Processed Food Contributes to the Diet and Promotes Health
Speaker:
Prof. Julie Miller Jones
Ph.D., CNS, CFS, LN. Distinguished Scholar and Professor Emerita. Food and Nutrition. St. Catherine University. USA.
The Role of Post-harvest Technologies in Providing a Safe, Affordable, Nutritious, and Sustainable Food Supply
Speaker: **Dr. Daryl Lund**  
Ph.D. Professor Emeritus of Food Engineering. University of Wisconsin-Madison. USA.

The Contribution of Food Science and Technology to Food Safety of Processed Foods
Speaker: **Eng. Jairo Romero**  
CFS - President of the Latin American and Caribbean Association of Food Science and Technology (ALACCTA). Colombia.

The Latin American Regulatory Environment and its Implication on the Reputation of Processed Foods
Speaker: **Dr. Susana Socolovsky**  
President of the Argentine Association of Food Technologists (AATA). Argentina.

19.00 - 19.30 h. Opening Ceremony: IUNS 21st International Congress of Nutrition  
Plenary Room (Libertador A+B+C)  
*See Main Scientific Programme*

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**Main Scientific Programme**

The IUNS 21st ICN Main Scientific Programme features a ‘Track’ design of audience segmentation by grouping the related sub-themes and ensuring the inclusion of sessions from scientific knowledge to applications.

**Tracks (Topics)**

1. **Advances in Nutrition Research**
   1.1 Nutrigenetics, Nutrigenomics and Personalized Nutrition  
   1.2 Epigenetics and Early Programming  
   1.3 New Advances in Experimental Nutrition  
   1.4 Biomarkers in Nutrition  
   1.5 New Experimental Approaches in Clinical Nutrition  

   **Coordinator:** Dr. Claudio Bernal  
   **Reference:** Dr. Gustavo Frechtel
2. Nutrition Through Life Course

2.1 Nutrition in Pregnancy and Lactation
2.2 Nutrition in Infancy and Childhood
2.3 Nutrition and Adolescence
2.4 Prevention of Nutrition Behavioral Disorder
2.5 Nutrition in the Elderly

Coordinator: Dr. Carmen Mazza
Reference: Dr. Mabel Ferraro

3. Public Health Nutrition and Environment

3.1 Epidemiology
3.2 Healthy Lifestyles Promotion
3.3 Physical Activity
3.4 Nutrition & Policies
3.5 Guidelines
3.6 Environmental Sustainability

Coordinator: B.S. Sergio Britos
Reference: Dr. Irina Kovalskys

4. Nutrition and Management of Diseases

4.1 Obesity, Diabetes and Related Disorders
4.2 Cardiovascular Diseases
4.3 Cancer
4.4 Malnutrition
4.5 Other Inflammatory and Immune Diseases

Coordinator: Dr. Jorge Alvariñas
Reference: Dr. Marcela Stambullian
5. Nutrients and Nutritional Assessment

5.1 Body Composition
5.2 Growth and Development
5.3 Macronutrients
5.4 Micronutrients
5.5 International Data Base Food Composition
5.6 Nutritional Assessment Methods

Coordinator: Dr. Anabel Pallaro
Reference: Dr. Irina Kovalskys

6. Functional Foods and Bioactive Compounds

6.1 Prebiotics, Probiotics and Symbiotics
6.2 Bioactive Ingredients
6.3 Determination and Analytical Methods. Bioactive Compounds
6.4 New Foods and New Ingredients
6.5 Communications of Food Functionalities

Coordinator: Dr. Susana Socolovsky
Reference: Eng. Ricardo Weill

7. Food Culture Practices and Nutritional Education

7.1 Joining Cultures through the Mediterranean Diet
7.2 Nutrition Transition and Challenges in Latin America
7.3 Nutrition, Health and Wellness in Asia, Africa and Oceania
7.4 Improving Indigenous and Cultural Foods
7.5 Changing Dietary Patterns in Northern and Western Countries

Coordinator: Dr. Gabriel Sequeira
Reference: Dr. Gabriel Sequeira
8. Agriculture, Food Science and Safety

8.1 Agrodiversity and Econutrition
8.2 Food Composition and Labelling
8.3 Nutrition and Wellness. Food Safety
8.4 Nutrition and Environmental Sustainability
8.5 Nutritional Claims

Coordinator: Dr. Susana Socolovsky
Reference: B.S. Marcela Leal

Programme Structure

Sunday
19:00-19:30 h. Opening Ceremony
19:30-20:15 h. Opening Lecture
20:15-21:00 h. Concert
21:00 h. Welcome Cocktail

Monday to Thursday
8:00-10:00 h. Scientific Symposiums
10:00-10:30 h. Break
10:30-11:15 h. Plenary Lecture
11:30-13:30 h. Scientific Symposiums
13:30-14:30 h. Lunch Break
14:30-16:30 h. Scientific Symposiums
14:30-15:00 h. Special Lectures
15:00-16:30 h. Oral Abstract Session or Alternative Activities
16:30-17:00 h. Break
17:00-19:00 h. Industry Sponsored Symposiums
19:00-21:00 h. Other activities
Friday

8:00-10:00 h. Scientific Symposiums
10:00-10:30 h. Break
10:30-11:30 h. Closing Lecture
11:30-11:45 h. Presentation of the IUNS 22nd ICN
11:45-12:00 h. Presentation of IUNS Fellows
12:00-12:05 h. Welcome of the new IUNS President
12:05-12:15 h. Closing ceremony
12:05-13:00 h. Closing Remarks and Performance

Program Details

Sunday, October 15

19.00 - 19.30 h. Opening Ceremony
Plenary Room (Libertador A+B+C)

Plenary Room (Libertador A+B+C)
Chairs:
Prof. Anna Lartey
President of the International Union of Nutritional Sciences (IUNS). Director of Nutrition at the Food and Agriculture Organization of the United Nations (FAO). Rome, Italy.
Dr. Mabel Alicia B. Carrera
President of the IUNS 21st International Congress of Nutrition (ICN) 2017, Buenos Aires, Argentina.
Speaker:
Prof. Andrew M. Prentice

20.15 - 21.00 h. Concert “Lyrical Gala” (Sextett)
Plenary Room (Libertador A+B+C)

21.00 h. Welcome Cocktail
Location: 1st Floor
Monday, October 16

8.00 - 10.00 h.  
**Scientific Symposium: 144/84 - History and Legal Challenges of Creating and Protecting A Sugar - Sweetened Beverage Tax in Mexico: Lessons for the globe**

**Room 1 - San Telmo**  
Track 3: Public Health Nutrition and Environment  
Organized by: University of North Carolina at Chapel Hill (USA)

- **Raising Public Awareness: Strategy, Impact and Challenges**  
  Chair:  
  **Prof. Barry M. Popkin**  
  Dept of Nutrition, Gilling’s Global School of Public Health University of North Carolina at Chapel Hill. USA.

- **Overview of the Mexico Program**  
  Chair:  
  **Prof. Juan Ángel Rivera Dommarco**  

- **Advocacy & Effective Coalition-Building**  
  Speaker:  
  **Alejandro Calvillo**  
  President of “el Poder del Consumidor”. Mexico.

- **Lobbying and legal Strategy**  
  Speaker:  
  **Adriana Rocha Camarena**  

- **Research to promote policy change and measure impact of policies**  
  Speaker:  
  **Prof. Juan Ángel Rivera Dommarco**  

- **Panel discussion**  
  Chair:  
  **Prof. Barry M. Popkin**  
  Dept of Nutrition, Gilling’s Global School of Public Health University of North Carolina at Chapel Hill. USA.

8.00 - 10.00 h.  
**Scientific Symposium: 144/26 - The Biology of the First 1,000 Days of Life**

**Room 2 - Libertador C**  
Track 1: Advances in Nutrition Research  
Organized by: Sight and Life (Switzerland)
• Introduction to the Book ‘The Biology Behind the First 1,000 Days’
  Chairs:
  Dr. Klaus Kraemer
  Managing Director. Sight and Life. Switzerland. Adjunct Associate Professor. Department of International Health. Johns Hopkins Bloomberg School of Public Health. USA.
  Dr. Crystal Karakochuk
  Faculty of Land and Food Systems. The University of British Columbia. Canada.

• Epigenetics, nutrition and infant health
  Speaker:
  Philip James

• Before and beyond the 1,000 days: a role for preconception nutrition
  Speaker:
  Dr. Luz Maria De Regil

• Nutritional regulation of the growth plate
  Speaker:
  Dr. Julian Lui
  The Eunice Kennedy Shriver National Institute of Child Health and Human Development. USA.

8.00 - 10.00 h.

Scientific Symposium: 144/83 - Dietary guidelines in Europe: Recent developments

Room 3 - Libertador B

Track 3: Public Health Nutrition and Environment

Organized by: Federation of European Nutrition Societies (FENS) (Europe)

Chairs:

Prof. Stefaan de Henauw

Prof. Ascensión Marcos
  Full Research Professor at CSIC. Institute of Food Science and Technology. CSIC. Madrid. Spain.

• Food based dietary guidelines in Europe and their scientific basis
  Speaker:
  Prof. Mikael Fogelholm

• The role of food based dietary guidelines in the concert of dietary recommendations
  Speaker:
  Prof. Ian A. MacDonald
• Food based dietary guidelines: Options for regional initiatives
Speaker:
Prof. Sladjana Sobajic
Department of Bromatology. Faculty of Pharmacy. Belgrade University. Belgrade. Serbia.
• Novel developments in food based dietary guidelines
Speaker:
Prof. Heiner Boeing
German Institute of Human Nutrition (DIfE). Potsdam-Rehbruecke. Germany.

8.00 - 10.00 h.  
Scientific Symposium: 144/16 - Aging Gracefully: Staying Healthy and Well Late into Life
Room 4 - Libertador A
Track 2: Nutrition Through Life Course
Organized by: International Life Sciences Institute (ILSI) & ILSI Research Foundation and ILSI branches
• Importance of Understanding Healthy Aging
Chair:
Dr. Hannia María León
• Aging and Nutrition. Research Opportunities to Better Understand Underlying Mechanisms
Speaker:
Prof. Simin Meydani
Tufts University. Boston. USA.
• Nutrition for the Aging Brain. Functional Aspects and Strategies
Speaker:
Dr. Sandrine Thuret
Kings College London. United Kingdom.
• Comparing Health Indicators across Geography. A Look at Asia and Latin America
Speaker:
Dr. Sofia Amarra

8.00 - 10.00 h.  
Scientific Symposium: 144/38 - Prevention of type - 2 diabetes in overweight and obese subjects. Achievements and results from the large EU - project, PREVIEW.
Room 5 - La Pampa
Track 4: Nutrition and Management of Diseases
Organized by: University of Copenhagen (Denmark)
The PREVIEW intervention study: Preliminary results from > 2,000 subjects on body weight and risk factor for type-2 diabetes.

Chair:

Prof. Anne Raben
Department of Nutrition, Exercise and Sports. Faculty of Science. University of Copenhagen. Denmark.

The PREVIEW population studies: Role of lifestyle factors (e.g. protein, glycemic index) in relation to pre-diabetes and diabetes risk

Speaker:

Prof. Edith Feskens
Division of Human Nutrition. Wageningen University. Wageningen. Netherlands.

The role of sleep and food reward in prevention of insulin resistance in pre-diabetic overweight subjects - results from the PREVIEW intervention study

Speaker:

Prof. Margriet Westerterp-Plantenga

How starch changed our genes: AMY1 copy number variation among people at risk of diabetes. A PREVIEW sub-study

Speaker:

Prof. Jennie Brand-Miller
School of Life and Environmental Sciences & Charles Perkins Centre. The University of Sydney. Sydney. Australia.

Exploiting PREVIEW findings: a food industry perspective

Speaker:

Prof. Jennie Brand-Miller
School of Life and Environmental Sciences & Charles Perkins Centre. The University of Sydney. Sydney. Australia.

8.00 - 10.00 h.

Scientific Symposium: 144/97 - High-Value Nutrition – a New Zealand National Science Challenge

Room 6 - Catalinas

Track 6: Functional Foods and Bioactive Compounds

Organized by: University of Auckland (New Zealand)

Chairs:

Prof. D. Sean JJ Strain
Professor of Human Nutrition. School of Biomedical Sciences. Ulster University. Northern Ireland.

Prof. Philip C. Calder
President of The Nutrition Society. University of Southampton. United Kingdom.

New Zealand’s National Science Challenge on “High-Value Nutrition: - a consumer centric, science-push and business-pull strategy

Speaker:

Prof. Joanne Todd
Challenge Director. High-Value Nutrition National Science Challenge. New Zealand.
• Enhancing metabolic health in the Asian food consumer
Speaker:

Prof. Sally Poppitt
University of Auckland. New Zealand.

• Nutritional strategies to build respiratory immune defence in the target Asian market
Speaker:

Dr. Olivier Gasser
Malaghan Institute of Medical Research. New Zealand.

• Improving gut comfort as a key to health and wellbeing of Asian food consumers
Speaker:

Prof. Nicole Roy
Assoc. Professor. AgResearch Ltd. New Zealand.

• Feeding through seeding: nourishing the infant microbiome that supports immune health
Speaker:

Prof. Clare Wall
University of Auckland. New Zealand.

8.00 - 10.00 h.

Scientific Symposium: 144/104 - Food composition is central to a food system approach for nutrition
Room 7 - Retiro C
Track B: Agriculture, Food Science and Safety
Organized by: IUNS Task Force - INFOOD
Chairs:

Dr. U. Ruth Charrondiere

Prof. Henrietta Ene-Obong
Department of Biochemistry. Faculty of Basic Medical Sciences. University of Calabar. Calabar. Nigeria.

• How to design, promote and implement nutrition-sensitive food systems using food composition data, biodiversity and the nutrient productivity concept
Speaker:

Dr. U. Ruth Charrondiere

• New Phytate data collection – implications for DRI of minerals, programmes and policies
Speaker:

Prof. Rosalind Gibson
How to motivate decision makers to invest in analyzing foods and publishing food composition tables of high quality needed along the food system?

Speaker:

Dr. Thingnagning Longvah
National Institute of Nutrition. India.

Food composition data are fundamental for multi-sectoral evidence-based policies

Speaker:

Prof. Barbara Burlingame

8.00 - 10.00 h.

Scientific Symposium: 144/90 - The PREDIMED Studies: a Leap Forward in Nutrition
Room 8 - Retiro B
Track 7: Food Culture Practices and Nutritional Education
Organized by: Ciber Fisiopatología de la Obesidad y Nutrición, Instituto de Salud Carlos III (Spain)
Chairs:

Dr. Emilio Ros
Hospital Clínic, University of Barcelona and CIBEROBN, Instituto de Salud Carlos III, Spain.

Prof. Jordi Salas-Salvadó
Human Nutrition Unit, Faculty of Medicine and Health Sciences, Rovira i Virgili University, Reus and CIBEROBN, Instituto de Salud Carlos III, Spain.

Rationale and design of the PREDIMED trials
Speaker:

Prof. Miguel Ángel Martínez-González
Department of Preventive Medicine, University of Navarra.CIBEROBN, Instituto de Salud Carlos III, Spain and Harvard University, USA

The Mediterranian diet and diabesity
Speaker:

Prof. Jordi Salas-Salvadó
Human Nutrition Unit, Faculty of Medicine and Health Sciences, Rovira i Virgili University, Reus and CIBEROBN, Instituto de Salud Carlos III, Spain.

PREDIMED and healthy aging
Speaker:

Dr. Emilio Ros
Hospital Clínic, University of Barcelona and CIBEROBN, Instituto de Salud Carlos III, Spain.

Effects of the Mediterranean diet on the lipid profile and lipoprotein-related markers
Speaker:

Dr. Montse Fitó
Institut Hospital del Mar d’Investigació Mèdica. Barcelona and CIBEROBN, Instituto de Salud Carlos III, Spain.
• Red wine and health
  Speaker: 
  Aleix Sala-Vila
  CIBEROBN, Instituto de Salud Carlos III, Spain.

• Nutrigenomic teachings of the PREDIMED studies
  Speaker: 
  Rocío Barragán-Arnal
  University of Valencia and CIBEROBN, Instituto de Salud Carlos III, Spain.

8.00 - 10.00 h.  

Scientific Symposium: 144/146 - Novel Functions and Uses of Amino Acids  
Room 9 - Retiro A  
Track 5: Nutrients and Nutritional Assessment  
Organized by: Japan Society of Nutrition and Food Science and Japanese Society for Amino Acid Sciences (Japan)  
Chairs: 
Prof. Yoshiharu Shimomura  
Nagoya University. Japan.  
Prof. Hisanori Kato  
Project Professor. Organization for Interdisciplinary Research Projects. The University of Tokyo. President of the IUNS 22nd ICN 2021.

• Nutrient use to cancer
  Speaker: 
  Prof. Matthew Vander Heiden  
  Massachusetts Institute of Technology. USA.

• Regulation of cellular metabolism by amino acids
  Speaker: 
  Prof. Scot R. Kimball  
  Penn State College of Medicine. USA.

• Exploring BCAA function using gene-engineered mice
  Speaker: 
  Prof. Yasuyuki Kitaura  
  Nagoya University. Japan.

• Quantitative proteomics reveal overall amino acid transport systems and related signaling
  Speaker: 
  Prof. Shushi Nagamori  
  Osaka University. Japan.

• Methionine metabolism regulates the functions of human pluripotent stem cells
  Speaker: 
  Prof. Nobuaki Shiraki  
  Tokyo Institute of Technology. Japan.
8.00 - 10.00 h. **Scientific Symposium: 144/143 - Encuestas Alimentarias: Resultados y Aplicaciones /Food Consumption Surveys: Results And Uses**

**Room 10 - Auditorium**

Track 5: Nutrients and Nutritional Assessment

Organized by: FEN, SENC & GLANC (Spain & Latin America)

Chairs:

**Prof. Lluis Serra-Majem**

Universidad de Las Palmas de Gran Canaria. Presidente de la Academia Española de Nutrición y Ciencia Alimentaria. España.

**Prof. Javier Aranceta Bartrina**


- *Las encuestas alimentarias como herramienta de promoción de la salud en el marco de la nutrición comunitaria*

Speaker:

**Dr. Miriam Bertrán Vilá**

Depto. Atención a la Salud UAM-Xochimilco. Mexico

- *Encuesta Latinoamericana de Nutrición y Salud: resultados preliminares*

Speaker:

**Dr. Irina Kovalskys**


- *Hábitos alimentarios y estado nutricional de la población española: estudio ANIBES*

Speaker:

**Prof. Gregorio Varela-Moreiras**


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8.00 - 10.00 h. **Scientific Symposium: 144/161 - Impact of menopause on the nutritional health of Argentinian women” UBACyT Projects 2008-2017**

**Room 12 - Atalaya**

Track 2: Nutrition Through Life Course

Organized by: Buenos Aires’ University. School of Medicine. School Nutrition (Argentina)

Chair:

**Dr. Maria Elena Torresani**


- *Body modifications in adult women and increased cardiometabolic risk. Project Presentation UBACyT 2008-2017.*

Speaker:

**Dr. Maria Elena Torresani**

• Food profile and lifestyle of women through over the years.
Speaker:
Mg. Andrea Solans
Mg. Social Anthropologist. Researcher at UBACyT “Anthropology of health, disease and care”, Anthropology and Health Program, Faculty of Philosophy and Literature, University of Buenos Aires. Argentina.

• Changes in eating behavior: carb compulsion, binge eating and night-eating in relation to the state of anxiety, stress and self-esteem of women.
Speaker:
María Laura Oliva

• Bone changes and nutritional approach to reduce the risk of osteoporosis.
Speaker:
Dr. María Elena Torresani

8.00 - 10.00 h. Scientific Symposium: 144/1059 - Transition food systems and shifting diets in low- and middle-income countries: What do they look like now, and where are they headed?
Room 13 - Águila
Track 3: Public Health Nutrition and Environment
Organized by: Johns Hopkins University (USA) & The Global Alliance for the Future of Food (Canada)
Chair:
Dr. Eileen Kennedy
HLPE Member. Friedman School of Nutrition Science and Policy. Tufts University. USA.

• The case of pastoralism in northern Kenya: Food, water, land and livelihoods
Speaker:
Dr. Elizabeth Fox
Berman Institute of Bioethics. Johns Hopkins University. USA.

• From military regime to market liberalization: exploring food environment transformations in Myanmar
Speaker:
Dr. Shauna Downs
Department of Health Systems and Policy. School of Public Health. Rutgers University. USA.

• Africa’s unfolding diet transformation: What do we know and what do we need to know?
Speaker:
Dr. David Tschirley
Department of Agricultural, Food and Resource Economics. Michigan State University. Co-Director. Food Security Group. USA.

• Integration of policies: Food policies guaranteeing nutrition
Speaker:
Dr. Ana Paula Bortoletto Martins
Brazilian Council of Food and Nutrition Security (CONSEA) and Brazilian Institute for Consumers Defense (IDEC). Brazil.
• Seeds of Resilience: Agricultural Biodiversity and Food and Nutrition Security
  Speaker:
  Dr. Lauren Baker

• Health impacts of food systems.
  Speaker:
  Dr. Cecilia Rocha

10.00 - 10.30 h. Break

10.30 - 11.15 h. Plenary session: Zinc Transporter Functions in Health and Disease
  Plenary Room (Libertador A+B+C)
  Chairs:
  Dr. Kenneth H. Brown
  Distinguished Professor Emeritus. Department of Nutrition. University of California, Davis. Senior Fellow at the Bill & Melinda Gates Foundation. USA.
  Dr. Nora H. Slobodianik
  Speaker:
  Dr. Robert J. Cousins
  Eminent Scholar. Boston Family Professor of Nutrition. Director, Center for Nutritional Sciences. University of Florida. USA.

11.30 - 13.30 h. Scientific Symposium: 144/85 - Impact of large-scale food-related regulatory efforts: Mexico and Chile
  Room 1 - San Telmo
  Track 3: Public Health Nutrition and Environment
  Organized by: University of North Carolina at Chapel Hill (USA)
  Chairs:
  Prof. Barry M. Popkin
  Dept of Nutrition, Gilling’s Global School of Public Health University of North Carolina at Chapel Hill. USA.
  Prof. Juan Ángel Rivera Dommarco
  • Overview of global regulatory efforts
  Speaker:
  Prof. Barry M. Popkin
  Dept of Nutrition, Gilling’s Global School of Public Health University of North Carolina at Chapel Hill. USA.
  • Mexico: Impact of the sugar-sweetened Beverage Tax: overall and across subpopulations
  Speaker:
  Prof. Arantxa Colchero
  National Institute of Public Health of Mexico. Mexico.
• *Mexico: Impact of the Nonessential Energy-Dense Foods Tax*

Speaker:

**Dr. Lindsey Smith Taillie**

Dept. of Nutrition, Gilling’s Global School of Public Health. University of North Carolina at Chapel Hill. USA.

• *Chile: Impact of the SSB Tax*

Speaker:

**Dr. Lindsey Smith Taillie**

Dept. of Nutrition, Gilling’s Global School of Public Health. University of North Carolina at Chapel Hill. USA.

• *Chile: initial evaluation of the Food Labeling and Marketing Law*

Speaker:

**Dr. Camila Corvalán-Aguilar**

Institute of Nutrition and Food Technology (INTA). University of Chile. Santiago. Chile.

11.30 - 13.30 h.

**Scientific Symposium: 144/93 - Addressing child malnutrition: newer measures to advance prevention and treatment outcomes**

Room 2 - Libertador C

Track 1: Advances in Nutrition Research

Organized by: Tufts University Food Aid Quality Review (USA)

• **Introduction**

Chair:

**Prof. Patrick Webb**

PhD. Friedman School of Nutrition Science and Policy. Tufts University. Boston. USA

• **Body composition**

Speakers:

**Dr. Susan Roberts**

PhD. Human Nutrition Research Center on Aging, Tufts University.Boston. USA

**Dr. Cornelia Loechl**

PhD. International Atomic Energy Agency. Vienna. Austria

• **Environmental Enteric Dysfunction**

Speakers:

**Prof. Irwin H. Rosenberg**

MD. Friedman School of Nutrition Science and Policy. Tufts University. Boston. USA

**Dr. Tahmeed Ahmed**

MD. International Centre for Diarrhoeal Disease Research. Bangladesh

• **Protein quality**

Speakers:

**Dr. Anura Vishwanath Kurpad**

MD. St. John's Research Institute. Bangalore. India

**Prof. Ricardo Uauy**

Panel Discussion
Conclusions and wrap up
Chair:
Prof. Patrick Webb
PhD. Friedman School of Nutrition Science and Policy. Tufts University. Boston. USA

11.30 - 13.30 h.

Scientific Symposium: 144/109 - Integration to Implementation (I to I) on Vitamin A interventions
Room 3 - Libertador B
Track 3: Public Health Nutrition and Environment
Organized by: Micronutrient Forum Canada (Canada)

• Introduction
Chair:
Dr. Ian Darnton-Hill
Adjunct Professor. University of Sydney. Australia. Tufts University. USA.

• Scope of the problem and overview of the controversy; how the I to I approach will be applied
Speaker:
Dr. Homero Martinez
Hospital Infantil de Mexico Federico Gomez. Mexico City, Mexico. Micronutrient Forum Secretariat. Ottawa, Canada.

• Biological evidence for or against high dose supplementation
Speaker:
Dr. Sherry Tanumihardjo
University of Wisconsin. USA.

• Relative strengths and weaknesses of available interventions/program strategies to prevent or improve vitamin A status in individuals or populations
Speaker:
Dr. Emorn Udomkesmalee
Senior Advisor, Institute of Nutrition. Mahidol University. Thailand. Adjunct Associate Professor, Department of International Health, Johns Hopkins Bloomberg School of Public Health. USA.

• Country perspective. What are the implications of the current concern/debate on national efforts to prevent vitamin A deficiency in Guatemala
Speaker:
MSc. Dora Inés Mazariegos

• Country perspective. What are the implications of the current concern/debate on national efforts to prevent vitamin A deficiency in Zambia
Speaker:
Mr. Musonda Jonathan Mofu
• What does it all mean and how might we move an agenda forward to address these challenges? A. Technical agencies
Speaker:
Dr. Roland Kupka
Senior Advisor for Micronutrients. UNICEF. USA.

• What does it all mean and how might we move an agenda forward to address these challenges? B. Clinical perspective
Speaker:
Dr. Parminder S. Suchdev
Associate Professor of Pediatrics & Global Health. Emory University. Medical Epidemiologist. Nutrition Branch. Centers for Disease Control & Prevention. USA.

• What does it all mean and how might we move an agenda forward to address these challenges? C. Enabling agencies
Speaker:
Dr. Klaus Kraemer
Managing Director. Sight and Life. Switzerland. Adjunct Associate Professor. Department of International Health. Johns Hopkins Bloomberg School of Public Health. USA.

11.30 - 13.30 h.
Scientific Symposium: 144/91 - Early Nutrition and its Effects on Health
Room 4 - Libertador A
Track 2: Nutrition through Life Course
Organized by: Iberoamerican Nutrition Foundation (FINUT)

Chairs:
Prof. Ángel Gil

Dr. María José Soto Méndez

• Genetic susceptibility to early metabolic syndrome in children and later consequences.
Speaker:
Prof. Ángel Gil
Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.

• Epigenetics of undernutrition and obesity.
Speaker:
Prof. J. Alfredo Martínez

• Prevention of undernutrition and obesity in children and adolescents: a global perspective
Speaker:
Prof. Luis A. Moreno
Faculty of Health Sciences. University of Zaragoza. Spain.
• Evaluations of impact of a fortified food aid program on the micronutrient nutritional status of Argentinian pregnant and lactating mothers and children.
Speaker:

Dr. Esteban Carmuega

• New evidence of the importance of early nutrition during the first 1,000 days of life.
Speaker:

Dr. Melissa Young
Assistant Professor. Department of Global Health. Rollins School of Public Health. Emory University. USA.

11.30 - 13.30 h.

Scientific Symposium: 144/95 - MooDFOOD: Preventing Depression through Food
Room 5 - La Pampa
Track 4: Nutrition and Management of Diseases
Organized by: Vrije Universiteit, Moodfood Consortium (The Netherlands)

• Introduction to the MooDFOOD project
Chairs:

Prof. Marjolein Visser

Prof. Ingeborg Brouwer

• Food patterns in early life, mid-life and old age and depression in the elderly: a life-course approach from the AGES-Reykjavik study
Speaker:

Prof. Ingibjorg Gunnarsdottir
University of Iceland. Iceland.

• The longitudinal association between inflammatory dietary patterns and depressive symptoms in Italian elderly
Speaker:

MSc. Esther Vermeulen
University of Amsterdam. The Netherlands.

• Role of sugar intake in the prevention of depression
Speaker:

MSc. Anika Knüppel
University College London. United Kingdom.

• Longitudinal association between serum vitamin D concentration and depressive symptoms among older adults
Speaker:

MSc. Liset Elstgeest
VU University Amsterdam. The Netherlands.

• The link between mindful eating and depressive symptoms and possible
underlying mechanisms
Speaker:

MSc. Laura Winkens
VU University Amsterdam. The Netherlands.

11.30 - 13.30 h.

Scientific Symposium: 144/141 - Essence of Washoku, UMAMI is the Basic Taste for Better Nutrition?
Room 6 - Catalinas
Track 6: Functional Foods and Bioactive Compounds
Organized by: Jumonji University (Japan)
Chairs:

Prof. Shigeru Yamamoto

Prof. Kraisid Tontisirin
Institute of Nutrition. Mahidol University. Thailand.

• Umami: Thinking of Ideal Healthy Diet from The UNESCO Heritage Food Culture, Washoku
Speaker:

Prof. Shigeru Yamamoto

• Umami: Essence of Washoku for healthy aging
Speaker:

Dr. Hisayuki Uneyama

• Subliminal Impact of Basic Tastes for Decision Making on Food Selections
Speaker:

Prof. Miguel Alonso-Alonso
Laboratory of Bariatric and Nutritional Neuroscience. Center for the Study of Nutrition Medicine. Beth Israel Deaconess Medical Center. Canada.

• How to Control Appetite by Protein α-Amino Acids
Speaker:

Prof. G. Harvey Anderson
Nutritional Sciences and Physiology. Italy. Department of Nutritional Sciences. Faculty of Medicine. University of Toronto. Canada.

11.30 - 13.30 h.

Scientific Symposium: 144/130 - Benchmarking government policies to improve food environments globally
Room 7 - Retiro C
Track 8: Agriculture, Food Science and Safety
Organized by: The International Network for Food and Obesity (INFORMAS) (New Zealand)
Chair:

Prof. Boyd Swinburn
School of Population Health. The University of Auckland. New Zealand.
• Introducing the Healthy Food Environment Policy Index (Food-EPI)
  Speaker:
  **Prof. Boyd Swinburn**
  School of Population Health. The University of Auckland. New Zealand.

• The Food-EPI in Australia: Comparing progress on improving the healthiness of food environments across states
  Speaker:
  **Dr. Gary Sacks**
  Deakin University. Australia.

• Consensus priorities between experts and policymakers for improving the healthiness of food environments in Thailand
  Speaker:
  **To be confirmed**

• Mapping the extent of implementation of food environment policies from the perspective of a low-middle-income country - Malaysia
  Speaker:
  **William Ng See Hoe**

• The Food-EPI in four Latin American countries: results and process evaluation
  Speaker:
  **Dr. Simon Barquera**

• Opportunities and challenges of benchmarking government food policies globally
  Speaker:
  **Dr. Stefanie Vandevijvere**
  School of Population Health. The University of Auckland. New Zealand.

• Discussion

**11.30 - 13.30 h.**

**Scientific Symposium: 144/110 - Towards global leadership in nutrition**

**Room 8 - Retiro B**

Track 7: Food Culture Practices and Nutritional Education

Organized by: Nutrition Leadership Programs and the IUNS Task Force - Capacity Development in Nutrition

Chairs:

**Dr. Jef Leroy**
International Food Policy Research Institute. USA.

**Prof. Catherine Geissler**
Secretary General of the International Union for Nutritional Sciences (IUNS). United Kingdom.

• Nutrition leadership in academic research: the challenge of cross-disciplinary collaboration
  Speaker:
  **Dr. Lawrence Haddad**
Global nutrition leadership: perspectives from the corporate sector
Speaker:
Fernanda Martins
Unilever. The Netherlands.

The need for global nutrition leadership to meet the SDGs
Speaker:
Prof. Anna Lartey
President of the International Union of Nutritional Sciences (IUNS). Director of Nutrition at the Food and Agriculture Organization of the United Nations (FAO). Rome. Italy.

Towards a Global Nutrition Leadership Platform
Speaker:
Dr. Roosmarijn Verstraeten
Independent researcher. Belgium.

Discussion
Discussant:
Prof. Johann Jerling
North West University. Potchefstroom, South Africa.

11.30 - 13.30 h.

Scientific Symposium: 144/105 - Nutrition Science at a Cross-roads
Room 9 - Retiro A
Track 5: Nutrients and Nutritional Assessment
Organized by: Division Human Nutrition, Wageningen University (The Netherlands)
Chairs:
Prof. Edith Feskens
Wageningen University. The Netherlands.
Prof. Patrick Stover
Cornell University. USA.

Results of the ASN committee on Public Trust
Speaker:
Prof. Patrick Stover
Cornell University. USA.

Reductionist versus Holistic paradigms in Nutrition Science
Speaker:
Dr. Anthony Fardet
French National Institute for Agricultural Research (INRA). France.

Is the RCT the best we can do?
Speaker:
Prof. Miguel Ángel Martínez-González
Department of Preventive Medicine, University of Navarra.CIBEROBN, Instituto de Salud Carlos III. Spain and Harvard University, USA

Nutrition in Transition, thoughts and actions of a multidisciplinary working group
Speaker:
Dr. Jan de Vries
De Vries Nutrition Solutions. The Netherlands.
11.30 - 13.30 h. **Scientific Symposium: 144/151 - New technologies that match new concepts in nutrition**

**Room 10 - Auditorium**

Track 6: Functional Foods and Bioactive Compounds

Organized by: Biotechnology and Food Technology Institutes (INTA) (Argentina)

Chairs:

**Dr. Ester Marina Insani**

Instituto Nacional de Tecnología Agropecuaria (INTA). Argentina.

**Dr. Adriana Alejandra Pazos**

Instituto Nacional de Tecnología Agropecuaria (INTA). Argentina.

- **Genome engineering towards the next-generation of food technology**
  Speaker:
  **Dr. Andrés Cernadas**
  Instituto Nacional de Tecnología Agropecuaria (INTA). Argentina.

- **Food losses and waste (FLW) as source of bioactive compounds of nutritional interest**
  Speaker:
  **Dr. Gustavo Polenta**
  Instituto Nacional de Tecnología Agropecuaria (INTA). Argentina.

- **Applied nanotechnology: improvement of nutritional food profiles**
  Speaker:
  **Dr. Gabriela Gallardo**
  Instituto Nacional de Tecnología Industrial (INTI). Argentina.


**Room 11 - Golden Horn**

Track 3: Public Health Nutrition and Environment

Organized by: World Health Organization & UNICEF

- **National implementation of the International Code of Marketing of Breast-milk Substitutes: Current status**
  Speaker:
  **Mr. David L. Clark**
  Legal Specialist, Nutrition Section. UNICEF. New York.

- **Formation of the Network for Global Monitoring and Support for the BMS Code**
  Speaker:
  **Dr. Francesco Branca**

- **A new protocol for monitoring and enforcement of Code violations**
  Speaker:
  **Prof. Laurence Grummer-Strawn**
• Marketing of breast-milk substitutes in Mexico: Results from maternal and health provider surveys
Speaker:
Prof. Sonia Hernández Cordero
National Institute of Public Health, Cuernavaca, Mexico.

• Monitoring for Code violations through routine services in Cambodia
Speaker:
Mackenzie Green
Regional Research Specialist, ARCH Project, Helen Keller International, Cambodia.

• Multiple data sources used to characterize the marketing of breast-milk substitutes in Chile
Speaker:
Dr. Anna Christina Pinheiro Fernandes
Technical Adviser, Nutritionist, Department of Nutrition and Food, Public Policy Division, Ministry of Health, Santiago de Chile, Chile.

• Implementation of the Kenya Breast-milk Substitutes Monitoring System
Speaker:
Dr. Gladys Magambi
Ministry of Health, Nairobi, Kenya, Africa.

11.30 - 13.30 h.
Scientific Symposium: 144/140 - Trends and practice in clinical nutrition
Room 12 - Atalaya
Track 5: Nutrients and Nutritional Assessment
Organized by: Universidad Autónoma de Nuevo León y Colegio Mexicano de Nutriólogos (Mexico)
Chair:
Dr. Sylvia Escott-Stump
East Carolina University, Department of Nutrition Science, USA.

• Advances in diabetes nutrition therapy
Speaker:
Dr. Gloria Marcela Ruiz Cervantes
Nutritionist, National Institute of Medical Sciences and Nutrition Salvador Zubirán, Center for Comprehensive Care of the Patient with Diabetes, Mexico.

• Effect of probiotics on human blood urea levels in patients with chronic renal failure
Speaker:
Dr. María de los Angeles Espinosa Cuevas
Nutritionist, National Institute of Medical Sciences and Nutrition Salvador Zubirán, Department of Nephrology and Mineral Metabolism, Mexico.

• FODMAP, SIBO and gut microbiome
Speaker:
Dr. Karina Knight
Nutritionist, University of Miami, California Nutrition Group, USA.
• Practical issues of nutritional intervention in cancer patients
Speaker:
Dr. Vanessa Fuchs-Tarlovsky
Nutritionist. General Hospital of Mexico. Oncology Department. Mexico.

13.30 - 14.30 h. Lunch Break

14.30 - 15.00 h. Special Lecture: The Nutrition Transition and Food System Dynamics: The Accelerating Speed of Change
Room 1 - San Telmo
Chair:
Prof. Carlos Monteiro
School of Public Health, University of São Paulo. Brazil.
Speaker:
Prof. Barry M. Popkin
Dept of Nutrition, Gilling’s Global School of Public Health University of North Carolina at Chapel Hill. USA.

14.30 - 15.00 h. Special Lecture: Microbiota and Obesity
Room 2 - Libertador C
Chair:
Prof. Jose Luis Santos
Chilean Society of Nutrition. Catholic University of Chile. Chile.
Speaker:
Prof. J. Alfredo Martínez

14.30 - 15.00 h. Special Lecture: Declining consumption of added sugars and sugar-sweetened beverages in Australia: a challenge for obesity prevention
Room 3 - Libertador B
Chair:
Dra. Marcela Stambullian
Nutricionista Helios Salud. Docente de la Carrera de Nutrición de la Facultad de Medicina de la UBA.
Speaker:
Prof. Jennie Brand-Miller
School of Life and Environmental Sciences & Charles Perkins Centre. The University of Sydney. Sydney. Australia.
14.30 - 15.00 h. **Special Lecture: The Chain of Food Science and Technology, Nutrition and Engineering Links in addressing issues of Lifestyle and Health---FARM to FOLK**  
Room 4 - Libertador A  
Speaker:  
Dr. Vishweshwaralaih Prakash  
Distinguished Scientist of CSIR-INDIA. Vice President of IUNS. India.

14.30 - 15.00 h. **Special Lecture: New insights into obesity prevention in children and adolescents**  
Room 5 - La Pampa  
Chair:  
Prof. Maria Rosaura Leis Trabazo  
University of Santiago de Compostela, Galicia  
Speaker:  
Prof. Luis A. Moreno  
Faculty of Health Sciences. University of Zaragoza. Spain.

14.30 - 15.00 h. **Special Lecture: Molecular mechanisms of action of probiotics**  
Room 6 - Catalinas  
Speaker:  
Prof. Ángel Gil  
Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.

14.30 - 15.00 h. **Special Lecture: Nutrition-sensitive agriculture – what does it mean and which impact it can have in addressing actual malnutrition problems**  
Room 7 - Retiro C  
Speaker:  
Dr. U. Ruth Charrondiere  

14.30 - 15.00 h. **Special Lecture: Weight loss using a healthy diet and exercise promotion to prevent cardiovascular disease: The PREDIMED-Plus trial**  
Room 8 - Retiro B  
Chair:  
Prof. Maria Daniel Vaz de Almeida  
Faculty of Nutrition and Food Sciences. University of Porto. Portugal.  
Speaker:  
Prof. Jordi Salas-Salvadó  
Human Nutrition Unit, Faculty of Medicine and Health Sciences, Rovira i Virgili University, Reus and CIBEROBN, Instituto de Salud Carlos III, Spain.
14.30 - 15.00 h. **Special Lecture: Beneficial effect of probiotics consumption on the Immune System**

**Room 9 - Retiro A**

Chair:

**Eng. Ricardo Weill**
Agronomist Engineer of the National University of Buenos Aires. Former Chief of practical work Chair of Microbiology Faculty of Agronomy (UNBA)

Speaker:

**Prof. Gabriela Perdigón**
Tucumán University. CONICET-Cerela. Tucumán. Argentina.

14.30 - 15.00 h. **Special Lecture: Non-alcoholic fatty liver**

**Room 10 - Auditorium**

Chair:

**Dr. María Daniela Defagó**
School of Nutrition. National University of Córdoba (UNC) and Institute of Research in Health Sciences (INICSA-CONICET). Argentina.

Speaker:

**Dr. Lisandro A. García**

*Note: This lecture will be held in Spanish*

14.30 - 16.30 h. **Scientific Symposium: 144/1051 - The Scaling-Up Nutrition (SUN) movement stunting prevention program ‘Right Foods at the Right Time: Targeting Nutrition of Children under Two’ in Malawi**

**Room 11 - Golden Horn**

Track 3: Public Health Nutrition and Environment

Organized by: World Food Programme (WFP)

Chairs:

**Dr. Nancy Aburto**
Chief and Head, Nutrition-Specific Unit, Nutrition Division. World Food Programme, Italy.

**Dr. Saul Morris**
Children’s Investment Fund Foundation (CIFF) – Global Alliance for Improved Nutrition (GAIN)

*Supporting Scaling Up Nutrition - from policy to action at the local level*

Speakers:

**Mr. Felix Pensulo Phiri**
Director at the Department of Nutrition, HIV and AIDS at the Ministry of Health- Lilongwe. Malawi

**Dr. Malango Precious Botomani**
Government of Malawi. Ntchisi District. Malawi

*Growing the evidence for nutrition programming: Perceptions and implementation of a stunting prevention program rural in Malawii*

Speaker:

**Dr. Kristen Hurley**
Johns Hopkins University (JHU)
• Impact evaluation of a comprehensive nutrition program to prevent stunting among children 6-23 months of age in rural Malawi
Speaker:
Dr. Kristen Hurley
Johns Hopkins University (JHU)

• Comprehensive programing leads to improvements in outputs and outcomes across the program impact pathway
Speaker:
Dr. Trust Takudzwa Mlambo
World Food Programme (WFP)

14.30 - 16.30 h.
Scientific Symposium: 144/1043 - Vitamin C – are current recommendations sufficient?
Room 12 - Atalaya
Track 5: Nutrients and Nutritional Assessment
Organized by: University of Copenhagen (Denmark)
Chair:
Prof. Jens Lykkesfeldt
University of Copenhagen. Denmark.

• Vitamin C – global intake and status
Speaker:
Dr. Anitra Carr
University of Otago. New Zealand.

• Biomarkers for vitamin C requirement
Speaker:
Dr. Volker Elste
DSM Nutritional Products. Switzerland.

• What is the optimal intake of vitamin C?
Speaker:
Prof. Jens Lykkesfeldt
University of Copenhagen. Denmark.

• Vitamin C requirements – the way forward
Speaker:
Dr. Mark Levine
National Institute for Health (NIH). USA.

14.30 - 16.30 h.
Room 13 - Águila
Track 4: Nutrition and Management of Diseases
Organized by: Argentine Society of Nutrition- Bariatric Surgery Working Group (Argentina)
• **Integrated Medical-Surgical Approach to Obesity & T2DM Therapy**
  Speaker:
  **Prof. Marianela Aguirre Ackermann**

• **From Bariatric to Metabolic Surgery. Definition of a New Discipline**
  Speaker:
  **Prof. Edgardo Serra**
  Director of The Center for Obesity and Diabetes CIEN. Corrientes-Misiones-Buenos Aires. Argentina.

• **Which is the best technique for your patient?**
  Speaker:
  **Dr. Ricardo Cohen**
  Director of The Center for Obesity and Diabetes Oswaldo Cruz German Hospital. São Paulo. Brazil.

• **Nutritional challenges in the patient after Bariatric Surgery**
  Speaker:
  **Prof. Natalia Pampillón**
  Faculty of Nutrition Sciences. Juan Agustín Maza University. Member of Bariatric Surgery Group Argentinian Society of Nutrition. Argentina.

• **Impact on your practice of Bariatric Surgery in the Treatment of Obesity Patient**
  Speaker:
  **Dr. Pilar Quevedo**

• **Impact on your practice of Metabolic Surgery in the Treatment of Type 2 Diabetes**
  Speaker:
  **Dr. Carla Musso**

15.00 - 16.30 h. **Oral Abstract Presentations: Simultaneous sessions**

16.30 - 17.00 h. **Break**

17.00 - 19.00 h. **Simultaneous Sponsored Symposia**
  See Sponsored Programme

19.00 - 21.00 h. **Other Activities**
**Tuesday, October 17**

### 8.00 - 10.00 h.
**Scientific Symposium: 144/72 - Programmatic implications from risk-benefit analysis of iron interventions in young children**

**Room 1 - San Telmo**
Track 3: Public Health Nutrition and Environment
Organized by: IUNS Task Force - Risks and Benefits of Iron
Chair:
**Dr. Parminder S. Suchdev**
Associate Professor of Pediatrics & Global Health. Emory University. Medical Epidemiologist. Nutrition Branch. Centers for Disease Control & Prevention. USA.

Speakers:
- **Dr. Sant-Rayn Pasricha**
  Walter & Eliza Hall Institute. Australia.
- **Dr. Michael Bode**
  James Cook University. USA.
- **Prof. Lynnette M. Neufeld**
  Director of Monitoring, Learning and Research at the Global Alliance for Improved Nutrition (GAIN). Canada.

### 8.00 - 10.00 h.
**Scientific Symposium: 144/1004 - Gut Microbiota Targets in Nutrition**

**Room 2 - Libertador C**
Track 1: Advances in Nutrition Research
Organized by: Gut Microbiota for Health

- **Functions and dysfunction of the Gut Microbiota**
  Speaker:
  **Dr. Joël Doré**
  Research Director at the French Research Institute in Agricultural Sciences. INRA. France.

- **Dysbiosis in Functional Bowel Disorders**
  Speaker:
  **Prof. Paul Enck**

- **The gut microbiota in obesity, metabolic syndrome and T2D**
  Speaker:
  **Prof. Torben Hansen**
  Professor of Genetics of Human Metabolism. The Novo Nordisk Foundation Center for Basic Metabolic Research. Faculty of Health and Medical Sciences. University of Copenhagen. Denmark.
• Therapeutic approaches to correct gut dysbiosis: diet, probiotics, FMT
Speaker:
Dr. Elena Verdú
Associate Professor. Division of Gastroenterology Department of Medicine. Director. Axenic Gnotobiotic Unit at McMaster University. Canada.

8.00 - 10.00 h.
Scientific Symposium: 144/82 - Science based measures to increase nutrition quality in Germany
Room 3 - Libertador B
Track 3: Public Health Nutrition and Environment
Organized by: German Nutrition Society (DGE) (Germany)
Chair:
Helmut Oberritter
Managing Director. German Nutrition Society (DGE e.V.). Germany.
• Evidence-based guidelines on fat, carbohydrate and protein intake
Speaker:
Prof. Helmut Heseker
• Health effects of plant-based diets: From wholesome-mixed diets to extreme vegetarian diets
Speaker:
Prof. Heiner Boeing
German Institute of Human Nutrition (DIfE). Potsdam-Rehbruecke. Germany.
• Quality standards for catering in different settings
Speaker:
Prof. Ulrike Arens-Azevedo
Hamburg University of Applied Sciences. Germany.

8.00 - 10.00 h.
Scientific Symposium: 144/106 - Using implementation research to build better multisectoral programs for improving maternal and child nutrition outcomes
Room 4 - Libertador A
Track 2: Nutrition through Life Course
Organized by: Society for Implementation Science in Nutrition (SISN), IFPRI (USA)
• Introduction: Using implementation research in the context of comprehensive evaluations of multisectoral programs to assess pathways of impact and interpret impact findings
Chair:
Dr. Marie Ruel
• Lessons learned from the process evaluation of HKI’s homestead food production program in Burkina Faso
Speaker:
**Dr. Jennifer Nielsen**
Senior Nutrition Advisor. Hellen Keller International. USA.

• Using process evaluation results to understand program impacts and for optimizing program design to improve child nutrition outcomes
Speaker:
**Dr. Deanna Olney**
International Food Policy Research Institute. USA.

• Scaling up behavior change interventions to improve child feeding: reflections on the use of research findings in program implementation and scale-up
Speaker:
**Dr. Tina Sanghvi**
Alive & Thrive. FHI 360. USA.

• Addressing issues of scale, rigor and context in the design of evaluations of large-scale behavior change interventions in Bangladesh, Vietnam and Ethiopia
Speaker:
**Dr. Purnima Menon**
International Food Policy Research Institute. India.

• Lessons learned from designing and implementing an integrated nutrition, livelihood and ECD project in Malawi
Speaker:
**Natalie Roschnik**
Save the Children. United Kingdom.

• Optimizing an ECD-based, agriculture and nutrition program to improve the diets of pre-school children in Malawi
Speaker:
**Dr. Aulo Gelli**
International Food Policy Research Institute. USA.

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8.00 - 10.00 h.

**Scientific Symposium: 144/123 - Building capacity to prevent and treat malnutrition**

**Room 5 - La Pampa**

Track 4: Nutrition and Management of Diseases

Organized by: IUNS Task Force - Prevention and Control of Malnutrition

Chair:
**Prof. Alan Jackson**

IUNS Taskforce on addressing malnutrition. University of Southampton. United Kingdom.

• Experience of the NEEP project in Guatemala and El Salvador
Speaker:
**Prof. Michele Monroy Valle**

University of San Carlos of Guatemala. Guatemala.
• Lessons learnt from Bolivia and perspectives to implement in Haiti
Speaker:
Dr. Julio Pedroza
• Experience from Bangladesh and the value of significant donor support
Speaker:
Dr. Tahmeed Ahmed
MD. International Centre for Diarrhoeal Disease Research. Bangladesh

8.00 - 10.00 h.

Scientific Symposium: 144/42 - The Human Microbiome: Sharing Our Bodies
Room 6 - Catalinas
Track 6: Functional Foods and Bioactive Compounds
Organized by: International Life Sciences Institute (ILSI), the ILSI Research Foundation, and ILSI branches
• Sharing Our Bodies. The Symbiosis of Humans and Our Microbiota. A High-level Overview of Research in the Field
Chair:
Dr. Christian Hoffmann
University of São Paulo. Brazil.
• Exploring the Role of the Major Gut Microbiota Clusters on Nutritional and Functional Benefits of Nutrients and Non.nutrients
Speaker:
Prof. Ian Rowland
Hugh Sinclair Human Nutrition Unit. Food & Nutritional Sciences Department. Emeritus Professor of Human Nutrition, University of Reading. United Kingdom.
• The Role of Microbiota in Nutrient Metabolism and Bioavailability
Speaker:
Prof. Fabrice Vaillant
• Mapping Asian Gut Microbiota Across Age and Geography. What are the Health Implication.
Speaker:
Dr. Yuan Kun Lee
National University of Singapore. Singapore.

8.00 - 10.00 h.

Scientific Symposium: 144/155 - Research and Scaling Up Nutritionally Sensitive Agricultural Innovations
Room 7 - Retiro C
Track 8: Agriculture, Food Science and Safety
Organized by: International Development Research Centre and Global Affairs Canada (Canada)
Chairs:
Prof. Tim J. Green
Healthy Mothers, Babies and Children Theme. South Australian Health and Medical Research Institute. Australia.
**Dr. Annie Wesley**  
International Development and Research Centre, Canada.  
- Empowering women and women-headed households through production, nutrition education and consumption strategies: Lessons learned from pulse-based nutrition sensitive agricultural strategies in Southern Ethiopia  
Speaker:

**Prof. Carol Henry**  
Division of Nutrition and Dietetics, University of Saskatchewan, Canada.  
- The role of small scale aquaculture and enhanced homestead food production in improving household food security and nutrition  
Speaker:

**Aminuzzaman Talukder**  
Helen Keller International, Cambodia.  
- Dietary diversity and scaling up the production of iron and zinc-rich yellow potatoes in Colombia  
Speaker:

**Prof. Sara Eloísa Del Castillo**  
Department of Nutrition, National University of Colombia, Colombia.  
- Cost-effectiveness of using sunflower oil fortified with vitamin A: results from Tanzania  
Speaker:

**Nadira Saleh**  
- Integration of small scale women farmers into agriculture value chains: scaling up small scale food processing (SSFP) for fortified complementary foods: baseline program evaluation results from three provinces in Vietnam  
Speaker:

**Prof. Fiona Yeudall**  
Associate Professor, Centre for Studies in Food Security, Ryerson University, Canada.  
- Technology development and scaling up for double fortification of salt with iodine and iron  
Speaker:

**Prof. Venkatesh Mannar**  
Adjunct Professor, Department of Chemical Engineering and Applied Chemistry, University of Toronto, Canada.

**8.00 - 10.00 h.**  
**Scientific Symposium: 144/168 - Latin American Survey of Nutrition and Health: What have in common and in what they differ, eight countries of Latin America?**  
**Room 8 - Retiro B**  
Track 3: Public Health Nutrition and Environment  
Organized by: Pontificia Universidad Javeriana (Colombia)  
Chair:  
**Dr. Attilio Rigotti**  
MD, PhD, Centro de Nutrición Molecular y Enfermedades Crónicas, Departamento de Nutrición, Diabetes y Metabolismo, Escuela de Medicina, Pontificia Universidad Católica, Santiago, Chile
Major food sources of sugar and its association with obesity among countries of ELANS
Speaker:

MSc. Rossina Pareja
MSc. Institute of Nutritional Research. Lima. Peru.

Major food sources of energy among countries of ELANS: Are we alike?
Speaker:

Dr. Lilia Yadira Cortés Sanabria
ND, MSc, PhD. Pontifical Javeriana University. Bogotá. Colombia.

Hydration profile of population of countries of ELANS
Speaker:

MSc. Martha Cecilia Yepez Garcia
BCh, MSc. College of Health Sciences. San Francisco University of Quito. Ecuador.

Life style profile of women of fertile age in Latin America: The risks and consequences for the next generation
Speaker:

Dr. Marianella Herrera Cuenca

8.00 - 10.00 h.

Scientific Symposium: 144/108 - Meaning of linear growth: Appropriate use of growth as a measure in development
Room 9 - Retiro A
Track 5: Nutrients and Nutritional Assessment
Organized by: University of South Carolina & IFPRI (USA)

Introduction
Chair:

Dr. Marie Ruel

Biology of linear growth: Processes and nutritional, hormonal, and inflammatory determinants
Speaker:

Prof. Michelle Lampl
Emory University. USA.

History of using of growth as a measure of healthy child development
Speaker:

Dr. Julia Krasevec

Meaning of linear growth: Differentiating growth as a cause vs. a marker of outcomes
Speaker:

Dr. Jef Leroy
International Food Policy Research Institute. USA.
• Appropriate use of linear growth as a measure in development
  Speaker:
  Prof. Edward Frongillo
  University of South Carolina. USA.

8.00 - 10.00 h.

Scientific Symposium: 144/86 - New technologies to detect and study adverse lifestyles in cardiometabolic diseases
  Room 10 - Auditorium
  Track 1: Advances in Nutrition Research
  Organized by: National University of Córdoba, Argentina and IECS (Argentina)
  Chair:
  Dr. Nilda Raquel Perovic
  • Application of geospatial technologies for analysis of cardiometabolic diseases related to food and nutrition
  Speaker:
  MSc. Eliana Álvarez Di Fino
  Institute for Advanced Space Studies Mario Gulich (CONAE-UNC). Argentina.
  • Prospective analysis: eliminating artificial trans fatty acids in Argentina and estimated effects on the burden of coronary heart disease
  Speaker:
  MSc. Natalia Elorriaga
  Institute for Clinical Effectiveness and Health Policy (IECS). Argentina.
  • Computer tools for food intake determination in nutritional epidemiology of cardiometabolic diseases
  Speaker:
  Dr. María Daniela Defagó
  School of Nutrition. National University of Córdoba (UNC) and Institute of Research in Health Sciences (INICSA-CONICET). Argentina.

8.00 - 10.00 h.

Scientific Symposium: 144/118 - High Quality Olive Oil: Nutrition and Health
  Room 12 - Atalaya
  Track 6: Functional Foods and Bioactive Compounds
  Organized by: Facultad de Ciencias de la Salud, Universidad Nacional de Catamarca (Argentina)
  Chair:
  Dr. Omar T. Barrionuevo
  National University of Catamarca. Faculty of Health Sciences (UNCA-FCS). Argentina.
  • Manufacturing of olive oil from a national perspective.
  Speaker:
  Dr. Emilia Raimondo
• The quality of olive oil as a distinguishing tool.
   Speaker:
   Mag. María Luna
   National University of Catamarca. Faculty of Health Sciences (UNCA-FCS). Argentina.
• Sensory Analysis of olive oil from Catamarca. Regional experience for the tasting Panel.
   Speaker:
   Mag. María Sol Molina
   INTA, National University of Catamarca. Faculty of Health Sciences (UNCA-FCS). Argentina.
• Olive oil as a functional food. Scientific evidence in health.
   Speaker:
   Dr. Omar T. Barrionuevo
   National University of Catamarca. Faculty of Health Sciences (UNCA-FCS). Argentina.
• Consumption of olive oil in a healthy diet.
   Speaker:
   Mag. María Alejandra Cornatosky
   National University of Catamarca. Faculty of Health Sciences (UNCA-FCS). Argentina.
Nota: Este simposio se impartirá en Español / Note: This symposium will be held in Spanish

8.00 - 10.00 h.

Scientific Symposium: 144/1062 - No time to waste: progress and road ahead for care for severely malnourished children
Room 13 - Águila
Track 3: Public Health Nutrition and Environment
Organized by: UNICEF Nutrition HQ (USA)
• Introduction
   Chairs:
   Dr. Víctor Aguayo
   Associate Director, Programme Division | Chief, Nutrition Programme. UNICEF Headquarters. New York. USA.
   Dr. Francesco Branca
• Country and regional examples of SAM programming
   Speaker:
   Stefano Fedele
   Regional Nutrition Advisor. UNICEF Latin American Regional Office. Panama.
• Global progress and the No Wasted Lives Coalition
   Speaker:
   Diane Holland
   Senior Nutrition Adviser. UNICEF Headquarters. New York. USA.
• New policy environment for SAM, with launch of the Joint Statement on Care for Children with Acute Malnutrition
   Speaker:
   Stineke Oenema
Panel Discussion: New ambition for SAM care in the context of prevention
Moderator:
*Children’s Investment Fund Foundation (TBC)*

Panelists:

**Stineke Oenema**

**Members of No Wasted Lives Council of Research and Technical Advice on Severe Acute Malnutrition**

10.00 - 10.30 h. **Break**

10.30 - 11.15 h. **Plenary session: Humans vs Obesity: Who will win?**

**Plenary Room (Libertador A+B+C)**

Chairs:

**Prof. Ángel Gil**
Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.

**Dr. Olga Ramos**
Doctor graduated from Buenos Aires University (UBA). Paediatrician degree awarded by Argentine Paediatrician Society. Specialist in Nutrition degree from the School of Medicine of the University of Buenos Aires.

Speaker:

**Prof. Benjamin Caballero**
Bloomberg School of Public Health. Johns Hopkins University. Maryland. USA.


**Room 1 - San Telmo**

Track 3: Public Health Nutrition and Environment

Organized by: The World Bank

Chairs:

**Dr. Ellen Piwoz**
Senior Program Officer, in the Nutrition Division of Global Development Program of the Bill & Melinda Gates Foundation. Seattle, USA

**Dr. Meera Shekar**
World Bank’s Health, Nutrition and Population Global Practice. USA.

*An Investment Framework for Nutrition*

Speaker:

**Michelle Mehta**
World Bank. USA.

*Lessons from Investment Frameworks for Nutrition in Selected Countries*

Speaker:

**Dr. Julia Dayton Eberwein**
World Bank. USA.
A Tool for Optimizing Efficiency: Optima for Nutrition Optima Tool
Speaker:
Dr. Jakub Kakietek
World Bank. USA.

Panel Discussion
Panelists:
Dr. Shawn Baker
Bill and Melinda Gates Foundation. USA.
Mavis Owusu-Gyamfi
Dr. Susan Horton
University of Waterloo. Canada.

11.30 - 13.30 h.
Scientific Symposium: 144/1011 - South American Youth/Child Cardiovascular and Environment Study (acronym: SAYCARE Study)
Room 2 - Libertador C
Track 1: Advances in Nutrition Research
Organized by: SAYCARE (South America)
Chairs:
Dr. Laura Inés González-Zapata
Escuela de Nutrición y Dietética Universidad de Antioquia. Medellín. Colombia.
Prof. Luis A. Moreno
Faculty of Health Sciences. University of Zaragoza. Spain.

Design and Objectives of the SAYCARE Study
Speaker:
Maria Isabel Bove
Catholic University of Uruguay. Uruguay

Development of a food frequency questionnaire to assess dietary intake in children and adolescents from South-America
Speaker:
Dr. Luisa Saravia
Escuela de Nutrición. Universidad de la República de Uruguay. Uruguay.

Validity of Health Diet Score measured by FFQ in South American children/adolescents
Speaker:
Tatiana Sadalla Collese

Assessing the determinants of diet in the SAYCARE Study: repeatability and reliability.
Speaker:
Dr. Laura Inés González-Zapata
Escuela de Nutrición y Dietética Universidad de Antioquia. Medellín. Colombia.

Physical activity assessment in children and adolescents from South America: Methodological aspects
11.30 - 13.30 h.

Scientific Symposium: 144/121 - Reduction of Salt Consumption in Diets for Combating NCDs for Better Health and Wellness

Room 3 - Libertador B

Track 1: Advances in Nutrition Research
Organized by: IUNS-Unilever collaboration on Salt Reduction

- Policy and Technical Issues of Sodium Reduction (NCDs, Policy Issues, Traditional Foods, Field Studies, Challenges and opportunities, Best Practices, Examples from different regions)

Chairs:

Dr. Vishweshwaraiah Prakash
Distinguished Scientist of CSIR-INDIA. Vice President of IUNS. India.

Prof. Matilda Steiner-Asiedu

- Policy and Technical Issues of Sodium Reduction - Challenges and Global Perspective

Speaker:

Dr. Vishweshwaraiah Prakash
Distinguished Scientist of CSIR-INDIA. Vice President of IUNS. India.

- Challenges in Reducing Sodium Intakes and Non-Communicable Diseases from Ghana – A Perspective

Speaker:

Prof. Matilda Steiner-Asiedu

- Overall Perspective of Diet Composition and Sodium Intakes - A Look at China’s data

Speaker:

Prof. Yuexin Yang

- Addressing Consumer Challenges in Reducing Sodium Intakes

Speaker:

Dr. Karin Van Het Hof
Director of Nutrition, Health and Savoury Research & Development at UNILEVER. Vlarrdingen. The Netherlands.
Current Intake of Salt and Its Regulations in Indonesia
Speaker:
Prof. Hardinsyah Ridwan

11.30 - 13.30 h.

Scientific Symposium: 144/71 - The WHA Global Nutrition Targets for 2025: tackling the double burden of malnutrition through the lifecycle.
Room 4 - Libertador A
Track 2: Nutrition through Life Course
Organized by: World Health Organization (WHO)

• Introduction
Chair:
Dr. Mercedes De Onis

• Towards the achievement of the WHA Global Nutrition Targets for 2025
Speaker:
Dr. Francesco Branca

• Action/interventions to achieve the childhood overweight target: a global perspective
Speaker:
Dr. Chizuru Nishida

• Action/interventions to achieve the childhood stunting target in Latin America: a regional perspective.
Speaker:
Dr. Fabio Gomes

• WHO tools to support countries in setting national targets
Speaker:
Dr. Kaia Engesveen

• Monitoring progress towards the achievement of the targets: The Tracking Tool
Speaker:
Dr. Elaine Borghi
11.30 - 13.30 h.

**Scientific Symposium: 144/115 - Low-Calorie Sweeteners – Update on Health & Safety**

**Room 5 - La Pampa**

Track 4: Nutrition and Management of Diseases

Organized by: International Life Sciences Institute (ILSI) North America and ILSI Europe

Chair:

**Prof. Peter Rogers**

University of Bristol. United Kingdom.

- **Low-Calorie Sweeteners and Weight – A Systematic Review of Human and Animal Studies**
  
Speaker:

**Prof. Peter Rogers**

University of Bristol. United Kingdom.

- **Low-Calorie Sweeteners and Glycemic Response**
  
Speaker:

**Dr. Xavier Pi-Sunyer**

Columbia University Medical Center. New York. USA.

- **Global Safety and Regulatory Processes for the Evaluation of Low-Calorie Sweeteners**
  
Speaker:

**Dr. Ashley Roberts**


- **Sweet Taste and Implications with Low-Calorie Sweetener Use**
  
Speaker:

**Dr. France Bellisle**


- **Panel Discussion**
  
Chair:

**Prof. Peter Rogers**

University of Bristol. United Kingdom.

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11.30 - 13.30 h.

**Scientific Symposium: 144/101 - Functional Foods 2017 – New PERSPECTIVES**

**Room 6 - Catalinas**

Track 6: Functional Foods and Bioactive Compounds

Organized by: The Hebrew University of Jerusalem (Israel)

- **Novel functionality in pulses excellent potential to alleviate malnutrition**

Chair:

**Prof. Ram Reifen**

Hebrew University of Jerusalem. Israel.

- **A novel computational tools to evaluate activity of functional foods**

Speaker:

**Prof. Zohar Kerem**

The Hebrew University of Jerusalem. Israel.
• Functional foods for the elderly special consideration  
Speaker:  
**Prof. Marileusa D. Chiarello**  
Catholic University of Brasilia. Brazil.

• Communications of Food Functionalities  
Speaker:  
**Prof. Judith Ongaji Kimiywe**  
Kenyata University. Kenya.

• Food Allergy and functional foods  
Speaker:  
**Dr. Shimrit Bar-El**  
Hebrew University of Jerusalem. Israel.

11.30 - 13.30 h.  
**Scientific Symposium: 144/154 - From Sustainable Farms to Better Nutrition: Linking Commitments to Research, Policy and Practice**  
**Room 7 - Retiro C**  
Track 8: Agriculture, Food Science and Safety  
Organized by: Rome-based Agencies for Food, Agriculture and Nutrition (FAO, IFAD, WFP, Bioversity International)  
Chair:  
**Dr. James Garrett**  
Senior Research Fellow. Bioversity International. Italy.

• The Role of Agriculture in Improving Nutrition in the Global Context: Commitments, Guidelines and the Rome-Based Agencies  
Speaker:  
**Dr. Charlotte Dufour**  
Food Security, Nutrition and Livelihoods Adviser. Food and Agriculture Organization of the United Nations. FAO. Italy.

• What to Do: Frameworks and Evidence for Improving Nutrition through Agriculture and Food Systems  
Speaker:  
**Dr. James Garrett**  
Senior Research Fellow. Bioversity International. Italy.

• How to Do It Better: Innovative Research and Communications for Healthy Diets and Sustainable Agriculture and Food System  
Speaker:  
**Dr. Gina Kennedy**  
Senior Scientist. Bioversity International. USA.

• How to Do It Better: Project Design, Implementation, and Policy Engagement for Nutrition-Sensitive Agriculture  
Speaker:  
**Dr. Juliane Friedrich**  
• Getting It Done: Frameworks, Approaches, and Tools for National Capacities in Agriculture and Nutrition
   Speaker:
   Dr. Nancy Aburto
   Chief and Head, Nutrition-Specific Unit, Nutrition Division. World Food Programme, Italy.

11.30 - 13.30 h.

Scientific Symposium: 144/92 - The eNutrition Academy: Global Online Learning and Capacity Development
   Room 8 - Retiro B
   Track 7: Food Culture Practices and Nutritional Education
   Organized by: Enutrition Academy (UK)
   Chair:
   Prof. Sharon Donovan
   • Assessment of Need/Demand: Short & Medium Term Planning
   Speaker:
   Prof. J. Alfredo Martínez
   • Overview of Current Course Content & Lessons to be Learned
   Speaker:
   Dr. Reginald Adjetey Annan
   Kwame Nkrumah University of Science and Technology. Ghana.
   • Assessment of Other Existing Materials Online & Collaborations
   Speaker:
   Dr. Richmond Aryeetey
   • Conclusion: Outcomes and Next Steps of eNA
   Speaker:
   Dr. Francis Zotor

11.30 - 13.30 h.

Scientific Symposium: 144/120 - Immunonutrition in health and disease: Role of bioactive compounds
   Room 9 - Retiro A
   Track 5: Nutrients and Nutritional Assessment
   Organized by: International Society for Immunonutrition (ISIN)
   • Introduction of the Symposium
   Chair:
   Prof. Ascensión Marcos
   Full Research Professor at CSIC. Institute of Food Science and Technology. CSIC. Madrid. Spain.
• Fatty acids: master controllers of inflammation.
Speaker:
Prof. Philip C. Calder
President of The Nutrition Society. University of Southampton. United Kingdom.

• Immunomodulation by probiotics and fermented milks in healthy and sick subjects.
Speaker:
Prof. Gabriela Perdigón
Tucumán University. CONICET-Cerela. Tucumán. Argentina.

• Do dietary patterns influence pro-inflammatory-derived cytokines levels in healthy adolescents? Findings from a population-based study of adolescents in Malaysia
Speaker:
Prof. Leng Huat Foo

11.30 - 13.30 h.

Scientific Symposium: 144/117 - Update on active principles of food and their relation to health
Room 10 - Auditorium
Track 6: Functional Foods and Bioactive Compounds
Organized by: CASLAN & Universidad Juan Agustín Maza Mendoza (Argentina)
Chair:
Dr. Emilia Raimondo

• Olive oil, something more than mono-unsaturated fat
Speaker:
Dr. Omar T. Barrionuevo
National University of Catamarca. Faculty of Health Sciences (UNCA-FCS). Argentina.

• Update on prebiotics
Speaker:
Mag. Ángela Zuleta
Magister in Bromatology and Technology of Food Industrialization. Adjunct Professor of Bromatology. Faculty of Pharmacy and Biochemistry. Buenos Aires University. Argentina.

• Variation on the content of polyphenols according to the preservative process used
Speaker:
Dr. Emilia Raimondo

• Low-grade inflammation and feeding, is there any connection?
Speaker:
Mag. Nazarena Asús
Universidad Juan Agustín Maza- Universidad Nacional de Cuyo. Argentina.
Nota: Este simposio se impartirá en Español / Note: This symposium will be held in Spanish
11.30 - 13.30 h. **Scientific Symposium: 144/1040 - Shaping global food systems for better nutrition**

*Room 11 - Golden Horn*

Track 3: Public Health Nutrition and Environment

Organized by: Global Alliance for Improved Nutrition (GAIN)

Chair: **Dr. Lawrence Haddad**


Speakers:

**Dr. Erick Boy-Gallego**

Harvest Plus, Washington, DC, USA.

**Prof. Lynnette M. Neufeld**

Director of Monitoring, Learning and Research at the Global Alliance for Improved Nutrition (GAIN). Canada.

**Dr. Djeinam Toure**

Senior Associate, GAIN. Mali.

**Ashish Deo**

GAIN, Senior Advisor, United Kingdom.

*Discussion*

Panelists:

**Dr. Rolf Klemm**

Vice President for Nutrition. Helen Keller International. USA.

**Dr. Howarth Bouis**

Founding Director HarvestPlus USA

**Prof. Manfred Eggersdorfer**

DSM Nutritional Products. Switzerland. University Medical Center Groningen. The Netherlands.

11.30 - 13.30 h. **Scientific Symposium: 144/167 - Latin American Survey of Nutrition and Health (ELANS): Main results on intake, physical activity and sedentarism in eight countries**

*Room 12 - Atalaya*

Track 1: Advances in Nutrition Research

Organized by: Centro de Nutrologia y Dificultades Alimentares. Universidade Federal de São Paulo (Brazil)

Chair: **Dr. Attilio Rigotti**

MD, PhD, Centro de Nutrición Molecular y Enfermedades Crónicas, Departamento de Nutrición, Diabetes y Metabolismo, Escuela de Medicina, Pontificia Universidad Católica, Santiago, Chile

*Introduction to ELANS: Latinamerican survey of Nutrition and Health. Study of urban population in eight countries*

Speaker: **Dr. Attilio Rigotti**

MD, PhD, Centro de Nutrición Molecular y Enfermedades Crónicas, Departamento de Nutrición, Diabetes y Metabolismo, Escuela de Medicina, Pontificia Universidad Católica, Santiago, Chile
**Relationship between diet quality and obesity risk: Is it possible to develop a LA diet quality index?**

Speaker: 
**MSc. Georgina Gómez Salas**

- *Habits α- Culture: Relationship between food habits and nutritional profile based on micronutrients*

Speaker: 
**Dr. Irina Kovalskys**

- *Learnings for researchers: A multicenter study sharing methods on evaluation of PA and intake in eight countries*

Speaker: 
**Lic. Viviana Beatrix Guajardo**

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**11.30 - 13.30 h.**

**Scientific Symposium: 144/1060 - Ethical challenges and implications of sharing, selling and donating human milk**

**Room 13 - Águila**

Track 7: Food Culture Practices and Nutritional Education

Organized by: PATH (USA)

Chair: 
**Dr. Cyril Engmann**
Program Leader. Maternal, Newborn, Child Health and Nutrition Global Program. PATH. USA.

- *Moderated Panel Discussion (with interaction with the audience)*

Panelists: 
**Dr. France Begin**
Senior Advisor, Infant & Young Child Nutrition, Nutrition Section. UNICEF. New York.

**Dr. Kiersten Israel-Ballard**
DrPH. Associate Director. Maternal, Newborn, Child Health and Nutrition Global Program. PATH. USA.

**Prof. Laurence Grummer-Strawn**

**Roger Mathisen**
MSc. RD – Program Director. Alive & Thrive. Southeast Asia.

**Dr. Ben Hartmann**

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**13.30 - 14.30 h.**

**Lunch Break**
14.30 - 15.00 h. Special Lecture: What the world can learn from Mexico's battle against obesity: the process, results, push backs and future challenges
Room 1 - San Telmo
Chair:
Dr. Camila Corvalán-Aguilar
Institute of Nutrition and Food Technology (INTA). University of Chile. Santiago. Chile.
Speaker:
Dr. Simon Barquera

14.30 - 15.00 h. Special Lecture: Immunonutrition and determinants of lifestyle
Room 2 - Libertador C
Chair:
Dr. Anabel Pallaro
Biochemistry. Doctor of the University of Buenos Aires in Nutrition Area. Professor and Researcher, Buenos Aires University (UBA)
Speaker:
Prof. Ascensión Marcos
Full Research Professor at CSIC. Institute of Food Science and Technology. CSIC. Madrid. Spain.

14.30 - 15.00 h. Special Lecture: Invoking the Base of the Iceberg: Origins and Consequences of Endemic Short-Stature (erroneously termed “Chronic Undernutrition”)
Room 3 - Libertador B
Chair:
Prof. Lluis Serra-Majem
Universidad de Las Palmas de Gran Canaria. Presidente de la Academia Española de Nutrición y Ciencia Alimentaria. España.
Speaker:
Prof. Noel W. Solomons
Centre for Studies of Sensory Impairment, Aging and Metabolism (CeSSIAM). Guatemala.

14.30 - 15.00 h. Special Lecture: Impact of Early Life Nutrition on the Gut Microbiome and Host-Microbe Interactions in the Human Infant
Room 4 - Libertador A
Speaker:
Prof. Sharon Donovan
14.30 - 15.00 h. Special Lecture: Challenges in the care of children and adolescents with type 1 diabetes
Room 5 - La Pampa
Chair:
Dr. Luisa Saravia
Escuela de Nutrición. Universidad de la República de Uruguay. Uruguay.
Speaker:
Dr. Carmen Mazza

14.30 - 15.00 h. Special Lecture: Feeding the immune system: the Danone International Prize for Nutrition 2016
Room 6 - Catalinas
Chair:
Prof. Ángel Gil
Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.
Speaker:
Prof. Philip C. Calder
President of The Nutrition Society. University of Southampton. United Kingdom.

14.30 - 15.00 h. Special Lecture: Investing in Nutrition: What will we buy?
Room 7 - Retiro C
Chair:
Dr. Rebecca Kanter
The University of Chile. Chile.
Speaker:
Dr. Meera Shekar
World Bank’s Health, Nutrition and Population Global Practice. USA.

14.30 - 15.00 h. Special Lecture: Sustainable diet for a sustainable weight
Room 8 - Retiro B
Chair:
Dr. Luz Maria De Regil
Speaker:
Prof. Anne Raben
Department of Nutrition, Exercise and Sports. Faculty of Science. University of Copenhagen. Denmark.
14.30 - 15.00 h. Special Lecture: Meal pattern analysis: New insight into dietary pattern and their health consequences
Room 9 - Retiro A
Chair:
Prof. Catherine Geissler
Secretary General of the International Union for Nutritional Sciences (IUNS). United Kingdom.
Speaker:
Prof. Heiner Boeing
German Institute of Human Nutrition (DIfE). Potsdam-Rehbruecke. Germany.

14.30 - 15.00 h. Special Lecture: Nutrition early in life: programs and interventions and the impact along the lifecourse
Room 10 - Auditorium
Chair:
Dr. María Cecilia Severi
Speaker:
Dr. Pablo Durán

14.30 - 16.30 h. Scientific Symposium: 144/1047 - Fats in our Foods – current evidence for dietary advice
Room 11 - Golden Horn
Track 5: Nutrients and Nutritional Assessment
Organized by: IUNS-IEM collaboration on Dietary Fats
Chair:
Dr. Connie Diekman
Washington University in St Louis. USA.
co-Chair:
Prof. J. Alfredo Martinez
• Consumption of saturated fatty acids and risk of coronary heart disease.
Speaker:
Prof. Ingeborg Brouwer
• Polyunsaturated fatty acids and cardiovascular health: state of the evidence
Speaker:
Joyce Nettleton
ScienceVoice Consulting. Denver. USA.
• Rationale to replace saturated by unsaturated fats
Speaker:
Prof. Ronald Mensink

• Fitting “healthier” fats into your meal plan
Speaker:
Dr. Connie Diekman
Washington University in St Louis. USA.

14.30 - 16.30 h. Scientific Symposium: 144/1018 - Strategies for incorporation of suitable carbohydrates in the prevention of chronic diseases
Room 12 - Atalaya
Track 4: Nutrition and Management of Diseases
Organized by: University of Buenos Aires. Faculty of Pharmacy and Biochemistry (Argentina)
Chair:
Mag. Ángela Zuleta
Magister in Bromatology and Technology of Food Industrialization. Adjunct Professor of Bromatology. Faculty of Pharmacy and Biochemistry. Buenos Aires University. Argentina.

• Carbohydrates and health
Speaker:
Dr. Mónica Katz
Favaloro University Buenos Aires. Argentina.

• The colon matters in blood sugar management
Speaker:
Prof. Patrice Cani
Université Catholique de Louvain. Belgium.

• Slowly digestible carbohydrates for blood sugar management and beyond
Speaker:
Dr. Christiani Jeyakumar Henry
Singapore Institute for Clinical Sciences. Singapore.

15.00 - 16.30 h. Oral Abstract Presentations: Simultaneous sessions

16.30 - 17.00 h. Break

17.00 - 19.00 h. Simultaneous Sponsored Symposiums
See Sponsored Programme

19.00 - 21.00 h. Other activities
Wednesday, October 18

8.00 - 10.00 h.  

**Scientific Symposium: 144/44 - Physical Activity and Health: New Knowledge in Research and Technologies**

**Room 1 - San Telmo**

Track 3: Public Health Nutrition and Environment

Organized by: ILSI North America, ILSI Focal Point in China and ILSI Argentina

- **Introductory Remarks: State of the Science on the Biological Importance of Diet & Physical Activity in Disease Risk Reduction and Health Maintenance**

  Chair:  
  **Prof. Ángel Gil**

  Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.

- **Diet and physical activity: using contextual data to improve assessment**

  Speaker:  
  **Dr. Carol Boushey**

  PhD, University of Hawaii. USA.

- **A. Exercise is Medicine**

  Speaker:  
  **Prof. Wenhua Zhao**

  MD Ph.D Professor. Deputy Director, National Institute for Nutrition and Health. Chinese Center for Disease Control and Prevention. China CDC.

- **B. Mini Salten**

  Speaker:  
  **Dr. Irina Kovalskys**


- **New Combination Methods for Advancing Physical Activity and Food Intake Assessment for Better Adherence to Public Health Recommendations**

  Speaker:  
  **Dr. Michael Pratt**

  Rollins School of Public Health. University of California. San Diego. USA.

- **Concluding Panel Discussion**

  Chair:  
  **Prof. Ángel Gil**

  Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.
8.00 - 10.00 h. **Scientific Symposium: 144/73 - 50 Years of Nutrition Research Support in Low Income Countries: achievements and needs**

**Room 2 - Libertador C**

Track 1: Advances in Nutrition Research

Organized by: Nestlé Foundation for the Study of Problems of Nutrition in the World (Switzerland)

Chairs:

**Prof. Walter Wahli**
Nestlé Foundation. Lausanne. Switzerland.

**Prof. Benjamin Caballero**
Bloomberg School of Public Health. Johns Hopkins University. Maryland. USA.

- *The Nestlé Foundation 50th Anniversary*
  Speaker:

**Prof. Paolo M. Suter**
Nestlé Foundation. Lausanne. Switzerland.

- *Zinc and Cognition: The need for long term follow up studies*
  Speaker:

**Prof. Nelly Mercedes Zavaleta-Pimentel**
National Center of Food and Nutrition at NIH/MOH. Lima. Peru.

- *Re-introduction of Millet in Africa*
  Speaker:

**Prof. Hellen Ndiku**

- *Improving nutrition by linear programming*
  Speaker:

**Prof. Umi Fahmida**

- *The needs for successful research in Africa*
  Speaker:

**Prof. Anna Lartey**
President of the International Union of Nutritional Sciences (IUNS). Director of Nutrition at the Food and Agriculture Organization of the United Nations (FAO). Rome. Italy.

- *The future of young African nutrition researchers*
  Speaker:

**Dr. Joseph Ashong**
Coordinator AGSNet University Ghana. Ghana.

8.00 - 10.00 h. **Scientific Symposium: 144/103 - Diet, nutrition, physical activity and cancer: towards the 2017 WCRF Continuous Update Project update**

**Room 3 - Libertador B**

Track 3: Public Health Nutrition and Environment

Organized by: World Cancer Research Fund International (WCRF)

- *The Continuous Update Project: a model for evidence synthesis and analysis*
  Chair:

**Prof. Alan Jackson**
IUNS Taskforce on addressing malnutrition. University of Southampton. United Kingdom.
• Evidence from the last decade: what has changed?
   Speaker:
   **Prof. Martin Wiseman**
   World Cancer Research Fund International. United Kingdom.

• Lessons for policy development and implications
   Speaker:
   **Prof. Juan Ángel Rivera Dommarco**

8.00 - 10.00 h.

**Scientific Symposium: 144/78 - Objective assessment of breastfeeding practices**

**Room 4 - Libertador A**

Track 2: Nutrition through Life Course

Organized by: International Atomic Energy Agency (IAEA) (Austria)

• Introduction to the work of the IAEA in the field of nutrition
  Chair:
  **Dr. Cornelia Loechl**
  PhD. International Atomic Energy Agency. Vienna. Austria

• The importance of objective assessment for evaluation of breastfeeding practices in African infants
  Speaker:
  **Dr. Helen Mulol**

• Breastfeeding impact on body composition and growth in the first year of life in Latin American infants
  Speaker:
  **MSc. Monica Mazariegos**
  Institute of Nutrition of Central America and Panama (INCAP). Guatemala.

• Breastmilk intake and complementary feeding practices in infants and young children in urban and rural areas of India
  Speaker:
  **Dr. Urmila Deshmukh**

8.00 - 10.00 h.

**Scientific Symposium: 144/133 - Comprehensive management of obese patients.**

**Room 5 - La Pampa**

Track 4: Nutrition and Management of Diseases

Organized by: Paraguayan Society of Nutrition (Paraguay)

Chair:

**Prof. Rafael Figueredo Grijalba**

University of Asuncion. Paraguay
Nutritional management of obese patients. Our experience  
Speaker:  
BS. Rocio Arguello Ayala  
Clinical Hospital. National University of Asuncion. Paraguay.

Microbiota and Obesity  
Speaker:  
BS. Claudia Bordón Riveros  

Pharmacological treatment of obesity  
Speaker:  
Dr. Durval Ribas Filho  
MD. PhD. Faculdade de Medicina da Fundação Padre Albino. President of Brazilian Association of Nutrology (ABRAN). Brazil.

Bariatric Surgery: a solution to the problem of obesity?  
Speaker:  
Dr. Ana María Ferreira Heyn  

The future management of the obese patient  
Speaker:  
Dr. Julio Montero  
Director of Postgraduate School. Argentinian Society of Obesity SAOTA. Argentina.

8.00 - 10.00 h.  
Scientific Symposium: 144/127 - Functional Foods and Bioactive Compounds on the Management of Metabolic Syndrome  
Room 6 - Catalinas  
Track 6: Functional Foods and Bioactive Compounds  
Organized by: Centre for Nutrition Research, University of Navarra and Ciberobn, Carlos III (Spain)  
Chairs:  
Dr. Fermín I Milagro  
Dr. María Angeles Zulet  

Polyphenols, microbiota composition, inflammation and obesity  
Speaker:  
Dr. Fermín I Milagro  
• **Cocoa extract intake within an energy restricted-diet and metabolic syndrome features: cardiometabolic risk and depressive symptoms**

Speaker: **Dr. Maria Angeles Zulet**


• **Potential health benefits of conjugated linoleic acid from natural and industrial sources. Evidence from animal studies**

Speaker: **Prof. Claudio Bernal**


• **Maternal supplementation with flavonoids and antiobesity effect in the offspring of obese female rats**

Speaker: **Ana Laura De La Garza Hernández**

• **Carotenoid consumption in relation to lipid oxidation and DNA damage**

Speaker: **Dr. Helen Hermana Miranda Hermsdorff**

Departamento de Nutrición e Saúde. Universidade Federal de Viçosa. Viçosa. Brazil.

• **Polyphenols from berries inhibit inflammation-related adiposity**

Speaker: **Dr. Diego García Díaz**


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8.00 - 10.00 h.

**Scientific Symposium: 144/94 - Food Aid Research: Update on Food Aid for Preventing and Treating Undernutrition**

**Room 7 - Retiro C**

Track 8: Agriculture, Food Science and Safety

Organized by: Tufts University. Friedman School of Nutrition Science and Policy (USA)

• **Food Aid Research: Setting the Scene**

Chair: **Prof. Patrick Webb**

PhD. Friedman School of Nutrition Science and Policy. Tufts University. Boston. USA

• **Product Composition: What have we learned?**

Speaker: **Dr. Kim Michelson**

Copenhagen University. Denmark.

• **Product Composition: How can we use what we know?**

Speaker: **Dr. Steve Collins**

Valid Nutrition. USA.
• **Product Effectiveness: What have we learned?**
  Speaker:
  **Prof. Kathryn G. Dewey**
  University of California. Davis. USA.

• **Product Effectiveness: How can we use what we know?**
  Speaker:
  **Dr. Saskia De Pee**
  World Food Programme. Rome. Italy.

• **Cost-effectiveness: What have we learned?**
  Speaker:
  **Dr. Beatrice Rogers**
  Tufts University. USA.

• **Cost-effectiveness: How can we use what we know?**
  Speaker:
  **Tatyana El-Kour**

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**8.00 - 10.00 h.**

**Scientific Symposium: 144/6 - Indigenous Peoples' gender roles, biodiversity and food security**

**Room 8 - Retiro B**

Track 7: Food Culture Practices and Nutritional Education
Organized by: IUNS Task Force - Traditional, Indigenous and Cultural Food and Nutrition

Chairs:

**Prof. Harriet Kuhnlein**

**Dr. Thingnganing Longvah**
National Institute of Nutrition. India.

• **Indigenous Peoples’ Food Systems: Gender Roles, Biodiversity and Food Security -- The IUNS Task Force on Traditional, Indigenous and Cultural Food and Nutrition**
  Speaker:
  **Prof. Harriet Kuhnlein**

• **Nutritional Dimension of Indigenous Peoples’ Food Systems in Northeast India**
  Speaker:
  **Dr. Thingnganing Longvah**
  National Institute of Nutrition. India.

• **Gender roles, family relationships and household food and nutrition security of the Ohifia matrilineal society in Nigeria**
  Speaker:
  **Prof. Henrietta Ene-Obong**
  Department of Biochemistry. Faculty of Basic Medical Sciences. University of Calabar. Calabar. Nigeria.
• Food security and women’s roles in Moroccan Berber (Amazigh) society today
Speaker:
Prof. Rekia Belahsen
Training and Research Unit on Nutrition & Food Sciences. Chouaib Doukkali University. El Jadida, Morocco.

• Nutritional status, food insecurity and biodiversity among the Khasi in Meghalaya, India
Speaker:
Prof. Harriet Kuhnlein

8.00 - 10.00 h.
Scientific Symposium: 144/147 - The Importance of Protein for Supporting Health in an Aging Society
Room 9 - Retiro A
Track 5: Nutrients and Nutritional Assessment
Organized by: Laboratory of Nutrition Science, Graduate School of Life and Environmental Sciences (Japan)
Chairs:
Prof. Yasuhiro Kido
Kanazawa Gakuin University, Japan.

Prof. Toshihide Nishimura
• How to tackle protein and energy malnutrition in the elderly
Speaker:
Prof. Yasuhiro Kido
Kanazawa Gakuin University, Japan.
• Deliciousness, a strategy for compliance of high protein diets
Speaker:
Prof. Toshihide Nishimura
• Life-stage management of Amino acid Nutrition
Speaker:
Prof. Kraisid Tontisirin
Institute of Nutrition. Mahidol University. Thailand.
• The role of leucine in obesity-induced metabolic disorders
Speaker:
Prof. Guoyao Wu
Department of Animal Science. Texas A&M University. USA.
8.00 - 10.00 h. Scientific Symposium: 144/114 - New tools for nutritional assessment in early life: how to manage them
Room 10 - Auditorium
Track 5: Nutrients and Nutritional Assessment
Organized by: Sociedad Uruguaya de Salud Colectiva (SUSAC) (Uruguay)
Chair:
Dr. María Cecilia Severi
• Gestational weight gain standars in the Intergrowth 21st Project: implication to policy makers
Speaker:
Prof. Gilberto Kac
• Intergrowth 21st Project: what is new for newborn anthropometric assessment?
Speaker:
Prof. María Mercedes Medina Vadora
Interdisciplinary Group of Family Studies. Universidad de la República. Uruguay.
• Epidemiological implications of the new WHO anthropometric references and their limit values and the implementation process in Argentine.
Speaker:
Dr. Enrique Abeyá Gilardón

8.00 - 10.00 h. Scientific Symposium: 144/1064 - Obesity: Science based Interventions.
Room 13 - Águila
Track 4: Nutrition and Management of Diseases
Organized by: Nutrition Society Argentina (SAN) (Argentina)
Chair:
Dr. Mónica Katz
Favaloro University Buenos Aires. Argentina.
• The argentine nutritional map as the real framework to intervene against obesity
Speaker:
Prof. Sergio Britos
University of Buenos Aires. Argentina.
• Childhood obesity prevention: Salten & Mini Salten: School based programs in Argentina.
Speaker:
Dr. Irina Kovalskys
A provincial programme in Argentina
Speaker:
Dr. Francisco D’Onofrio

10.00 - 10.30 h. Break

10.30 - 11.15 h. Plenary session: IUNS Lifetime Award: From Treating Childhood Malnutrition to Public Health Nutrition
Plenary Room (Libertador A+B+C)
Chairs:
Prof. Anna Lartey
President of the International Union of Nutritional Sciences (IUNS). Director of Nutrition at the Food and Agriculture Organization of the United Nations (FAO). Rome. Italy.
Prof. Catherine Geissler
Secretary General of the International Union for Nutritional Sciences (IUNS). United Kingdom.
Speaker:
Prof. W. Philip T. James

11.30 - 13.30 h. Scientific Symposium: 144/162 - Preventing Childhood Obesity in Latin America: Building the Evidence Base for Effective Policies and Programs
Room 1 - San Telmo
Track 3: Public Health Nutrition and Environment
Organized by: National Institutes of Health / Fogarty International Center (USA)
Chairs:
Prof. Benjamin Caballero
Bloomberg School of Public Health. Johns Hopkins University. Maryland. USA.
Prof. Juan Ángel Rivera Dommarco
• Nutrition Status during Childhood in Latin America
Speaker:
Dr. Camila Corvalán-Aguilar
Institute of Nutrition and Food Technology (INTA). University of Chile. Santiago. Chile.
Prevention of Childhood Obesity and Food Policies in Latin America: From Research to Practice
Speaker:
Dr. Rafael Perez-Escamilla
Yale School of Public Health. USA.
• A Research Agenda to Guide Progress on Childhood Obesity Prevention in Latin America
Speaker:
Prof. Juan Ángel Rivera Dommarco

• Capacity for research on childhood obesity in Latin America
Speaker:
Dr. Michael Pratt
Rollins School of Public Health. University of California, San Diego. USA.

11.30 - 13.30 h.
Scientific Symposium: 144/1017 - Oxygen: a neglected nutrient
Room 2 - Libertador C
Track 1: Advances in Nutrition Research
Organized by: The Nutrition Society (UK & Ireland)
Chair:
Prof. Philip C. Calder
President of The Nutrition Society. University of Southampton. United Kingdom.

• Hypoxia-inducible factors (HIFs) and the cellular responses to oxygen deprivation
Speaker:
Prof. Pablo Wappner

• Hypoxia and adipose tissue dysfunction in obesity
Speaker:
Prof. Paul Trayhurn
The University of Buckingham and The University of Liverpool. United Kingdom.

• Oxygen deprivation in tumours
Speaker:
Dr. Daniele Gilkes
Johns Hopkins University. School of Medicine. Baltimore. USA.

11.30 - 13.30 h.
Scientific Symposium: 144/132 - Front of the Package Profiling Emerges as a Major Regulatory Tool Globally: new impact research
Room 3 - Libertador B
Track 3: Public Health Nutrition and Environment
Organized by: INTA, University of Chile (Chile) & University of North Carolina at Chapel Hill (USA)
Chairs:
Prof. Barry M. Popkin
Dept of Nutrition, Gilling’s Global School of Public Health University of North Carolina at Chapel Hill. USA.

Prof. Ricardo Uauy
• Brief Overview of Systems  
Speaker:  
Prof. Barry M. Popkin  
Dept of Nutrition, Gilling’s Global School of Public Health University of North Carolina at Chapel Hill. USA.

• The impact on food purchases of the Dutch Choices and Danish Keyhole FOP systems  
Speaker:  
Dr. Sinne Smed  
University of Copenhagen. Denmark.

• Impact of the New Zealand Health Star Rating system, and results of an RCT comparing different systems  
Speaker:  
Prof. Cliona Ni Mhurchu  
University of Auckland. New Zealand.

• The British Traffic Light System: impact and results of an RCT focused on enhancement of use  
Speaker:  
Prof. Michael Rayner  
University of Oxford. United Kingdom.

• The Chilean Experience of FOP Development, Implementation and Impact  
Speaker:  
Dr. Marcela Reyes  
National Institute of Nutrition and Food Technology. University of Chile. Chile.

11.30 - 13.30 h.

Scientific Symposium: 144/13 - Infections in pregnancy: a huge, and avoidable, cause of malnutrition in childhood
Room 4 - Libertador A  
Track 2: Nutrition through Life Course  
Organized by: Children’s Investment Fund Foundation (UK)

• Mainstreaming the control of maternal infections into nutrition programmes  
Chair:  
Dr. Saul Morris  
Children’s Investment Fund Foundation (CIFF) – Global Alliance for Improved Nutrition (GAIN)

• A unified framework linking maternal infections and childhood malnutrition: insights from multiple disciplines  
Speaker:  
To be confirmed

• Presumptive treatment of pregnant women with antimalarials and antibiotics in Malawi: impact on child growth up to five years  
Speaker:  
Prof. Per Ashorn  
World Health Organization. Finland.
• Maternal HIV exposure and poor child growth  
Speaker:  
**Prof. Suzanne Filteau**  
London School of Hygiene & Tropical Medicine. United Kingdom.

• The impact of screening and treatment for urinary tract infections in Bangladesh on preterm birth and small for gestational age  
Speaker:  
**Dr. Anne Lee**  
Harvard Medical School. USA.

• Evidence on maternal influenza in pregnancy, birth size, and gestational age  
Speaker:  
**Prof. Saad Omer**  
Emory University. USA.

11.30 - 13.30 h.  
**Scientific Symposium: 144/116 - New strategies in the control of energy balance**  
**Room 5 - La Pampa**  
Track 4: Nutrition and Management of Diseases  
Organized by: Spanish Nutrition Society (SEÑ) (Spain)  
Chair:  
**Prof. Claudio Bernal**  
National University of the Littoral. Argentina.

• Genomics of body composition, from severe obesity to extreme thinness: Leptin-melanocortin system  
Speaker:  
**Prof. Jose Luis Santos**  
Chilean Society of Nutrition. Catholic University of Chile. Chile.

• Brown adipose tissue and browning of white adipose tissue.  
Speaker:  
**Prof. Ángel Gil**  
Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.

• Microbiota and obesity  
Speaker:  
**Prof. Ascensión Marcos**  
Full Research Professor at CSIC. Institute of Food Science and Technology. CSIC. Madrid. Spain.

• Polyphenols as useful bioactive compounds  
Speaker:  
**Prof. Maria Puy Portillo Baquedano**  
University of the Basque Country. Spain.
11.30 - 13.30 h. **Scientific Symposium: 144/170 - Phytonutrients in nutrition and health: From theory to practice**  
*Room 6 - Catalinas*  
Track 6: Functional Foods and Bioactive Compounds  
Organized by: Chinese Nutrition Society (China)  
Chairs:  
**Prof. Yuexin Yang**  
**Audra Davies**  
Nutrilite Health Institute. Amway Corporation. USA.  
- **Chinese experiences in phytonutrients---from science to regulation**  
Speaker:  
**Prof. Yuexin Yang**  
- **The preventive and therapeutic role of anthocyanins on metabolic syndromes--basic to applying.**  
Speaker:  
**Prof. Wenhua Ling**  
Sun Yat-Sen University. China.  
- **A global snapshot of fruit and vegetable intake and availability, and implications for phytonutrient intakes**  
Speaker:  
**Alli Klosner**  
Nutrilite Health Institute. Amway Corporation.  
- **DIET AND THE MICROBIOME: Exciting new opportunities, and perils of going beyond the science.**  
Speaker:  
**Prof. Christopher Gardner**  
Stanford Prevention Research Center. USA.

11.30 - 13.30 h. **Scientific Symposium: 144/131 - Potential of monitoring food environments for improving accountability and policy**  
*Room 7 - Retiro C*  
Track 8: Agriculture, Food Science and Safety  
Organized by: The International Network for Food and Obesity (INFORMAS) (New Zealand)  
Chair:  
**Prof. Mary L’Abbé**  
The University of Toronto. Canada.  
- **Uses of food environment data for policymaking: overview of best practice case studies**  
Speaker:  
**Prof. Mary L’Abbé**  
The University of Toronto. Canada.
• Benchmarking composition of food products among countries and companies globally
Speaker:

Prof. Bruce Neal
The George Institute for Global Health. Australia.

• Benchmarking food advertising on television among countries and companies globally
Speaker:

Dr. Bridget Kelly
The University of Wollongong. Australia.

• Implementation of the advertising and labelling law in Chile: early results of impact on food reformulation
Speaker:

Dr. Rebecca Kanter
The University of Chile. Chile.

• Unhealthy food environments in Guatemala and Costa Rica. Are regulations needed?
Speaker:

Dr. Manuel Alberto Ramirez-Zea
The Institute of Nutrition of Central America and Panama. Guatemala.

• Discussion

11.30 - 13.30 h.

Room 8 - Retiro B
Track 7: Food Culture Practices and Nutritional Education
Organized by: African Graduate Nutrition Students Network (AGSNet) (Africa)
Chair:

Dr. Folake Samuel
PhD. Department of Human Nutrition Faculty of Public Health College of Medicine University of Ibadan. Nigeria

• Graduate Nutrition Students, critical tools for reducing malnutrition in Africa
Speaker:

Dr. Joseph Ashong
Coordinator AGSNet University Ghana. Ghana.

• Efforts by African Nutrition Society (ANS) to meeting capacity building needs of Africa
co-Chair:

Dr. Amos Laar
President African Nutrition Society (ANS). Ghana

• I cannot sit here and eat alone when I know a fellow Ghanaian is suffering; we were not brought up that way": Perceptions of food insecurity amongst Ghanaian migrants
Speaker:

Hibbah Araba Osei-Kwasi
University of Sheffield. United Kingdom
Body composition in pre-pubertal Moroccan children using isotope dilution: Development and validation of bioelectrical impedance analysis equations for prediction total body water and fat-free mass
Speaker:
Imane El Harchaoui
CNESTEN- Ibn Tofail University. Morocco

African Nutrition Leadership and Capacity building in Africa
Speaker:
Prof. Johann Jerling
North West University. Potchefstroom, South Africa.

11.30 - 13.30 h.

Scientific Symposium: 144/45 - Advancement of Global Food Composition Databases
Room 9 - Retiro A
Track 5: Nutrients and Nutritional Assessment
Organized by: ILSI North America, ILSI Research Foundation and ILSI Southeast Asia Region
Welcome and Introduction to the Session
Chair:
Alison Kretser
ILSI North America. USA.
Food Composition Databases Across the Globe: An Overview
Speaker:
Dr. Morven McLean
ILSI Research Foundation. USA.
New Developments in the Association of Southeast Asian Network’s ASEANFOODS Food Composition Database
Speaker:
Dr. E-Siong Tee
Nutrition Society of Malaysia
What’s New: The USDA Branded Food Products Database
Speaker:
Dr. Pamela Starke-Reed
U.S. Department of Agriculture (USDA). Agricultural Research Service (ARS). USA.

11.30 - 13.30 h.

Scientific Symposium: 144/87 - Seven-country study on ultra-processed food intake and overall dietary nutrient profile: findings and global policy implications
Room 10 - Auditorium
Track 3: Public Health Nutrition and Environment
Organized by: University of Sao Paulo (Brazil)
Chair:
Prof. Carlos Monteiro
School of Public Health, University of São Paulo. Brazil.
• Findings from Chile and Colombia  
Speaker:  
**Prof. Ricardo Uauy**  

• Findings from Canada and US  
Speaker:  
**Prof. Jean-Claude Moubarac**  

• Findings from Australia and UK  
Speaker:  
**Prof. Gyorgy Scrinis**  
Faculty of Veterinary and Agricultural Sciences. University of Melbourne. Australia.

• Findings from Brasil and global policy implications  
Speaker:  
**Prof. Carlos Monteiro**  
School of Public Health, University of São Paulo. Brazil.

**11.30 - 13.30 h.**

**Scientific Symposium: 144/163 - WHO/CDC Symposium on the assessment of vitamin A status in populations**

**Room 11 - Golden Horn**  
Track 5: Nutrients and Nutritional Assessment  
Organized by: World Health Organization (WHO)  
Chair:  
**Dr. Rafael Flores-Ayala**  
CDC Nutrition Branch. USA.  
co-Chair:  
**Dr. Lisa Marie Rogers**  
World Health Organization. Switzerland.

• WHO process for developing guidelines for vitamin A indicators: retrieval, summarizing and assessing the evidence  
Speaker:  
**Dr. Lisa Marie Rogers**  
World Health Organization. Switzerland.

• Summary of indicators of vitamin A status and their interpretation in a population setting  
Speaker:  
**Dr. Sherry Tanumihardjo**  
University of Wisconsin. USA.

• Use of modified relative dose response (MRDR) in population based surveys for understanding the magnitude and distribution of vitamin A deficiency as a public health problem  
Speaker:  
**Dr. Maria Elena del Socorro Jefferds**  
Centers for Disease Control and Prevention. USA.
11.30 - 13.30 h

Scientific Symposium: 144/77 - Medical Management of Obesity

Room 12 - Atalaya

Track 4: Nutrition and Management of Diseases
Organized by: Associação Brasileira de Nutrologia (ABRAN) (Brazil)

Chair:

Dr. Durval Ribas Filho
MD. PhD. Faculdade de Medicina da Fundação Padre Albino. President of Brazilian Association of Nutrology (ABRAN). Brazil.

- The challenges of anti obesity pharmacotherapy

Speaker:

Dr. Durval Ribas Filho
MD. PhD. Faculdade de Medicina da Fundação Padre Albino. President of Brazilian Association of Nutrology (ABRAN). Brazil.

- Pharmacotherapy anti obesity: present and future

Speaker:

Prof. Paulo Giorelli
MD. Ms. International Colleges for the Advancement of Nutrology (ICAN). Brazil.

- Health Consequences of Obesity in childhood

Speaker:

Dr. Carlos Alberto Nogueira de Almeida
MD. PhD. Universidade de Ribeirão Preto. Brazil.

- Nutritional Support in Bariatric Surgery

Speaker:

Dr. Ana Maria Ferreira Heyn

- Obesity and Medicinal Plants

Speaker:

Dr. Marcella Garcez Duarte
MD. Associação Brasileira de Nutrologia. Brazil.

- Sarcopenic obesity

Speaker:

Prof. Nelson Iucif Junior
MD. PhD. Universidade de Ribeirão Preto. Brazil.

11.30 - 13.30 h.

Scientific Symposium: 144/1067 - Getting your manuscript published: practical tips for preparing your manuscript, avoiding common mistakes, and choosing the right journal

Room 13 - Águila

Track 1: Advances in Nutrition Research
Organized by: American Society for Nutrition (ASN) (USA)

Speakers:

Prof. Teresa Davis
Ph.D., Editor-in-Chief. The Journal of Nutrition Baylor College of Medicine, Houston. Texas. USA

Prof. Jack Odle
• Writing Your Research Paper and Selecting the Right Journal
  Speaker:
  Prof. Teresa Davis
  Ph.D., Editor-in-Chief. The Journal of Nutrition Baylor College of Medicine, Houston, Texas, USA

• Understanding the Peer Review Process and Responding to Reviewers
  Speaker:
  Prof. Jack Odle
  Ph.D., Editor-in-Chief. Current Developments in Nutrition. North Carolina State University, Raleigh, NC, USA.

13.30 - 14.30 h.  Lunch Break

14.30 - 15.00 h.  Special Lecture: Enabling and disabling health systems through food systems
  Room 1 - San Telmo
  Chair:
  Dr. Carmen Pérez-Rodrigo
  Presidenta Sociedad Española de Nutrición Comunitaria. España.
  Speaker:
  Prof. Mark L. Wahlqvist
  Emeritus Professor. Former Professor and Head of Medicine at Prince Henry’s Hospital and Monash Medical Centre. Associate Dean (International Health and Development) and Director of the Asia Pacific Health and Nutrition Centre. Australia.

14.30 - 15.00 h.  Special Lecture: How to make the most of high-density genetic data for human nutrition research
  Room 2 - Libertador C
  Chair:
  Prof. J. Alfredo Martinez
  Speaker:
  Prof. Martin Kohlmeier
  University of North Carolina at Chapel Hill, and UNC Nutrition Research Institute. Kannapolis, USA

14.30 - 15.00 h.  Special Lecture: Stunting: challenges in estimating prevalence and potential solutions
  Room 3 - Libertador B
  Chair:
  Prof. Rafael Figueredo Grijalba
  University of Asuncion. Paraguay
  Speaker:
  Dr. Joel Conkle
  PhD. Emory University. Atlanta, Georgia, USA.
14.30 - 15.00 h. Special Lecture: Heterogeneity in response to nutrition interventions during the first thousand days: evidence from randomized controlled trials using lipid-based nutrient supplements for mothers and infants in Africa and South Asia
Room 4 - Libertador A
Chair:
Prof. Noel W. Solomons
Centre for Studies of Sensory Impairment, Aging and Metabolism (CeSSIAM). Guatemala.
Speaker:
Prof. Kathryn G. Dewey
University of California. Davis. USA.

14.30 - 15.00 h. Special Lecture: Nutrition and Inflammation: Put Out the Fire
Room 5 - La Pampa
Chair:
Dr. Ana María Ferreira Heyn
Speaker:
Dr. Sylvia Escott-Stump
East Carolina University. Department of Nutrition Science. USA.

14.30 - 15.00 h. Special Lecture: Olive polyphenols – important mediators of health benefits of the Mediterranean diet?
Room 6 - Catalinas
Chair:
Dr. Diego García Díaz
Speaker:
Prof. Ian Rowland
Hugh Sinclair Human Nutrition Unit. Food & Nutritional Sciences Department. Emeritus Professor of Human Nutrition, University of Reading. United Kingdom.

14.30 - 15.00 h. Special Lecture: How to make food systems more nutrition-sensitive
Room 7 - Retiro C
Chair:
Prof. Lynnette M. Neufeld
Director of Monitoring, Learning and Research at the Global Alliance for Improved Nutrition (GAIN). Canada.
Speaker:
Dr. Lawrence Haddad
14.30 - 15.00 h. **Special Lecture: Building capability and capacity in nutrition: cancer as a model**  
*Room 8 - Retiro B*  
Chair:  
**Prof. Alan Jackson**  
IUNS Taskforce on addressing malnutrition. University of Southampton. United Kingdom.  
Speaker:  
**Prof. Martin Wiseman**  
World Cancer Research Fund International. United Kingdom.

14.30 - 15.00 h. **Special Lecture: From taste to weight**  
*Room 9 - Retiro A*  
Chair:  
**Dr. Silvio D. Schraier**  
Speaker:  
**Dr. Arturo R. Rolla**  
Endocrinologist. Beth Israel Deaconess Medical Center. Assistant Clinical Professor of Medicine. Harvard Medical School and Tufts University School of Medicine. Boston, MA. USA.

14.30 - 15.00 h. **Book Presentation: Tratado de Nutrición 3ª ed. (Nutrition Treatise 3rd ed.)**  
*Room 10 - Auditorium*  
Speaker:  
**Prof. Ángel Gil**  
Director of the IUNS ICN 2017 Executive Committee. University of Granada. Spain.

14.30 - 16.30 h. **Scientific Symposium: 144/164 - WHO/CDC Symposium on new tools and resources for monitoring and evaluating micronutrient public health programs**  
*Room 11 - Golden Horn*  
Track 3: Public Health Nutrition and Environment  
Organized by: World Health Organization (WHO)  
Chair:  
**Dr. Rafael Flores-Ayala**  
CDC Nutrition Branch. USA.  
co-Chair:  
**Dr. Lisa Marie Rogers**  
World Health Organization. Switzerland.  
- *The Nutrition Survey Toolkit – new tools to improve the design and quality of micronutrient surveys*  
  Speaker:  
  **Katie Tripp**  
  Centers for Disease Control and Prevention. USA.  
- *Monitoring of vitamin A supplementation – new monitoring guides for district and national managers*
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Scientific Symposium: 144/171 - Seemingly Effective Pathways to Nutrition Behaviour Change
Room 12 - Atalaya
Track 7: Food Culture Practices and Nutritional Education
Organized by: Nutrition Society of Sri Lanka (South Asia)
Chair:

Dr. Rukhsana Haider
Founder and Chair. Training & Assistance for Health & Nutrition. TAHN Foundation. Bangladesh.

• The importance of coaching and mentoring, post nutrition education for sustained behaviour changes - the USAID SOLID Approach
Speaker:

Dr. Visakha Tillekeratne

• Nutrition Behaviour Changes among children, mothers and communities
Speaker:

Mira Aghi
Healis Sekhsaria Institute of Public Health. India.

• Improvement of Nutrition of children with mothers empowerment through mother support groups”
Speaker:

Prof. Upul Senarath
University of Colombo. Sri Lanka.

• Nutritional Regulatory Compliance: changing the behaviour of marketers
Speaker:

Dr. Visakha Tillekeratne

14.30 - 16.30 h.

Scientific Symposium: 144/1071 - Addressing the challenges iron deficiency anemia: Fresh insights from the HIGH Consortium (Hepcidin and Iron in Global Health)
Room 13 - Águila
Organized by: MRC Unit The Gambia & MRC Unit Int. Nut. Group. London School of Hygiene & Tropical Medicine (UK)

• Iron deficiency in poor populations: setting the scene

Speaker:

Alison Greig

• New resources for the monitoring and evaluation of public health programmes to improve micronutrient status
Speaker:

Dr. Lisa Marie Rogers
World Health Organization. Switzerland.
Speaker:
Prof. Andrew M. Prentice  
MRC Unit. The Gambia & MRC International Nutrition Group. London School of Hygiene and Tropical Medicine. United Kingdom.  
*Potential for hepcidin-guided intervention: Establishing thresholds to define iron deficiency and readiness for supplementation*  
Speaker:  
Dr. Sant-Rayn Pasricha  
Walter & Eliza Hall Institute. Australia.  
*Laboratory methods for assessing potential harm of iron supplementation*  
Speaker:  
Dr. Carla Cerami  
MRC Unit. The Gambia.  
*The HIGH Trials in rural Gambia: design, initial results and implications*  
Speaker:  
Prof. Andrew M. Prentice  
MRC Unit. The Gambia & MRC International Nutrition Group. London School of Hygiene and Tropical Medicine. United Kingdom.  
*Open discussion*

15.00 - 16.30 h.  
**Oral Abstract Presentations: Miscellaneous Tracks**

15.00 - 16.30 h. **Debates and alternative activities**

15.00 - 16.30 h. **Award: IUNS Living Legend & Young Scientist Award**  
**Room 1 - San Telmo**  
Organized by: International Union of Nutritional Sciences (IUNS)  
*Introduction*  
Chairs:  
Prof. Anna Lartey  
President of the International Union of Nutritional Sciences (IUNS). Director of Nutrition at the Food and Agriculture Organization of the United Nations (FAO). Rome. Italy.  
Prof. Catherine Geissler  
Secretary General of the International Union for Nutritional Sciences (IUNS). United Kingdom.  
*Living Legend*  
Presentation of the nominees for the IUNS Living Legend.  
Award Ceremony  
*Young Scientist Award*  
Award Ceremony  
*Osman Galal Memorial*  
Chair:  
Dr. Suzanne Murphy
15.00 - 16.30 h. **Award: Dr. Pedro Escudero Award**  
**Room 3 - Libertador B**  
La Escuela de Nutrición de la Facultad de Medicina de la Universidad de Buenos Aires (UBA), hará entrega de un reconocimiento al mejor trabajo científico, nacional o extranjero presentado sobre Educación Alimentaria Nutricional en cualquiera de los tracks del 21 Congreso Internacional de Nutrición (IUNS International Congress of Nutrition).  
El Premio tiene como finalidad la creación de una instancia de reconocimiento a la investigación científica, la divulgación de contenidos educativos y la Educación Alimentaria Nutricional como parte de los objetivos heredados del padre de la Nutrición Dr. Pedro Escudero, egresado de esta casa de altos estudios.

The School of Nutrition of the Medicine Department from the University of Buenos Aires (UBA) will extend a special recognition to the best scientific investigation, national or foreign, presented on the topic of Nutrition Education in any of the tracks at IUNS 21st International Congress of Nutrition.  
The award aims to create an instance of recognition specifically dedicated to scientific investigation, the promoting of educational content, and of Nutrition Education as a part of the ever-present values and goals held by the father of Nutrition, Dr. Pedro Escudero, distinguished alumni of our prestigious educational institution.

Organized by: Buenos Aires' University. School of Medicine. School Nutrition (Argentina)  
Chair:  
**Dr. Maria Elena Torresani**  
Awardee: **Prof. Lic. María Rita Garda**, Directora de la Escuela de Nutrición de la Facultad de Medicina de la Universidad de Buenos Aires

16.30 - 17.00 h. **Break**

17.00 - 19.00 h. **Simultaneous Sponsored Symposiums**  
See Sponsored Programme

19.00 - 21.00 h. **Other activities**

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**Thursday, October 19**

8.00 - 10.00 h. **Scientific Symposium: 144/125 - Climate Change and Nutrition: Challenges and Opportunities**  
**Room 1 - San Telmo**  
Track 3: Public Health Nutrition and Environment  
Organized by: IUNS Task Force - Climate Change and Nutrition  
Chair:  
**Dr. Maria Cristina Tirado-von der Pahlen**  
University of California Los Angeles. USA.  
co-Chair:  
**Prof. Anna Larney**  
President of the International Union of Nutritional Sciences (IUNS). Director of Nutrition at the Food and Agriculture Organization of the United Nations (FAO). Rome. Italy.
- Climate change, agriculture, and human health
  Speaker:  
  **Marco Springmann**  
  Oxford University
- Sustainable diets, nutrition, health and the environment
  Speaker:  
  **Dr. Rosie Green**  
  London School of Hygiene and Tropical Medicine.
- Nutrition-driven Climate Change Adaptation and Mitigation
  Speaker:  
  **Dr. Maria Cristina Tirado-von der Pahlen**  
  University of California Los Angeles. USA.

8.00 - 10.00 h.  
**Scientific Symposium: 144/100 - Science Update of Phytonutrients in Aging Societies and Public Health**  
**Room 2 - Libertador C**  
Track 1: Advances in Nutrition Research  
Organized by: Global Phytonutrient Society (GPS)  
Chairs:  
**Prof. Teruo Miyazawa**  
Project Leader and Professor of Food and Biotechnology Innovation Project. New Industry Creation Hatchery Center (NICHe). Tohoku University. Sendai. Japan. GPS Chair.  
**Harunobu Amagase**  
Association of International Food and Nutrition (AIFN). Japan. GPS Executive Director.  
- Science Update of Phytonutrients  
  Speaker:  
  **Prof. Teruo Miyazawa**  
  Project Leader and Professor of Food and Biotechnology Innovation Project. New Industry Creation Hatchery Center (NICHe). Tohoku University. Sendai. Japan. GPS Chair.  
  *Phytonutrients in Aging Societies - Practical Approach*  
  Speaker:  
  **Prof. Gary Williamson**  
  School of Food Science and Nutrition. University of Leeds. United Kingdom. GPS Committee Member.  
  *Mediterranean diet and phytonutrients found in such diet can help to support in preventing and reducing aged-related diseases*  
  Speaker:  
  **Prof. Ana Rita Bilia**  
  University of Florence. Italy. GPS Committee Member.  
  *Phytosterols: From dietary intake to considerations the recommendations for Chinese adult*  
  Speaker:  
  **Prof. Yuexin Yang**  
8.00 - 10.00 h. **Scientific Symposium: 144/137 - Nutritional Profiling – Scientific basis, uses and impact on Public Health**

**Room 3 - Libertador B**

Track 3: Public Health Nutrition and Environment

Organized by: Brazilian Society for Food and Nutrition (Brazil)

Chair:

**Dr. Olga Maria Silverio Amancio**

Brazilian Society of Food and Nutrition. SBAN. Brazil.

- *Recent developments in nutrient profiling*

Speaker:

**Prof. Michael Rayner**

University of Oxford. United Kingdom.

- *Nutrient profiling - from regulation to reformulation*

Speaker:

**Prof. Adam Drewnowski**

Center for Public Health Nutrition. University of Washington. USA

- *Nutrient Profiling: Scientific aims vs. actual impact on public health*

Speaker:

**Prof. Ángel Gil**

Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.

- *Status of Nutrient Profiling in Latin America*

Speaker:

**Dr. Esteban Carmuega**


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8.00 - 10.00 h. **Scientific Symposium: 144/98 - Toward a new paradigm for assessing child growth: A Capability Approach**

**Room 4 - Libertador A**

Track 2: Nutrition through Life Course

Organized by: IUNS Task Force - Towards Multi-dimensional Indicators of Child Growth and Development

- *Introduction*

Chair:

**Prof. Hinke Haisma**


- *What is the Capability Approach?*

Speaker:

**Dr. Sridhar Venkatapuram**

King’s College London. United Kingdom.

- *Why do we need a Capability Approach to Child Growth?*

Speaker:

**Prof. Hinke Haisma**

• **How do we apply a Capability Approach to Child Growth?**
  
  **Speaker:**

  **Dr. Sepideh Yousefzadeh Faal Dhagati**
  
  Population Research Centre, University of Groningen. The Netherlands.

• **Opportunities and Challenges for a Capability Approach to Child Growth**
  
  **Speaker:**

  **Prof. Gretel Pelto**
  
  Cornell University. Itaca, NY, USA.

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**8.00 - 10.00 h.**

**Scientific Symposium: 144/68 - New advances on Ketogenic Therapies**

**Room 5 - La Pampa**

Track 4: Nutrition and Management of Diseases

Organized by: Hospital Aleman (Argentina)

**Chair:**

**Dr. Veronica Cornejo Espinoza**

INTA. University of Chile.

• **Introduction to ketogenic Diets**
  
  **Speaker:**

  **Dr. Veronica Cornejo Espinoza**
  
  INTA. University of Chile.

• **Dietary Variations: Classical KD, MAtkins Diet, LGID**
  
  **Speaker:**

  **RD Heidi Pfeifer**
  
  Harvard University after Mass General Hospital

• **Management and implementation of Ketogenic therapies**
  
  **Speaker:**

  **Dr. Marisa Armeno**
  
  Ketogenic diet Team at Pediatric Department Hospital Aleman and Nutrition Department Hospital J.P. Garrahan.

• **Biochemical basis and regulation mechanisms of the dietary therapy**
  
  **Speaker:**

  **Dr. Cecilia Baeza Lara**
  
  Hospital Dr. Sótero del Río.Universidad Católica. Chile.

• **Cancer and other applications of Kdiets**
  
  **Speaker:**

  **Dr. Pilar Peredo**
  
  INTA. University Chile.
8.00 - 10.00 h.  **Scientific Symposium: 144/80 - Omics tools to understand gene - nutrient interactions: knowledge to action**  
**Room 6 - Catalinas**  
Track 1: Advances in Nutrition Research  
Organized by: IUNS Task Force - Gene Nutrients Interactions: Knowledge to Action  
Chairs:  
**Prof. Ben Van Ommen**  
**Prof. J. Alfredo Martínez**  
- *The current state of computer support for genotype-based nutrition and lifestyle guidance*  
  Speaker:  
  **Prof. Martin Kohlmeier**  
  University of North Carolina at Chapel Hill, and UNC Nutrition Research Institute. Kannapolis. USA  
- *Genomics of eating behavior in relation to obesity*  
  Speaker:  
  **Prof. Jose Luis Santos**  
  Chilean Society of Nutrition. Catholic University of Chile. Chile.  
- *Nutrition and genetics: the missing link*  
  Speaker:  
  **Dr. Sylvia Escott-Stump**  
  East Carolina University. Department of Nutrition Science. USA.  
- *From Nutrigenomics to economics: the implementation of a healthcare system based on personalized nutrition*  
  Speaker:  
  **Prof. Ben Van Ommen**  
- *Precision nutrition based on omics knowledge*  
  Speaker:  
  **Prof. J. Alfredo Martínez**  

8.00 - 10.00 h. **Scientific Symposium: 144/1039 - Paths to nourishing millions with biofortification**  
**Room 7 - Retiro C**  
Track 5: Nutrients and Nutritional Assessment  
Organized by: Harvest Plus & International Food Policy Research Institute (IFPRI)  
Chair:  
**Dr. Erick Boy-Gallego**  
Harvest Plus. Washington, DC, USA.
Speakers:

**Bho Mudyahoto**
HarvestPlus. Uganda.

**Paul Emeka Ilona**
HarvestPlus. Nigeria.

**Binu Cherian**
HarvestPlus. India.

**Jen Foley**
HarvestPlus. USA.

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**8.00 - 10.00 h.**

**Scientific Symposium: 144/113 - Development of training and Research in Nutrition and dietetics in francophone African countries**

**Room 8 - Retiro B**

Track 7: Food Culture Practices and Nutritional Education

Organized by: African Universities and Nutrition Associations (Africa)

Chairs:

**Prof. Rekia Belahsen**
Chouaib Doukkali University. Morocco.

**Dr. Salimata Wade**

Speakers:

**Prof. Cheikh MH. Dehah**

**Dr. Ouzriat Boualem**
Ministry of Health. Algeria.

**Prof. Akory Ag Iknane**
Institut National de Recherche en Santé Publique (INRSP). Mali.

**Dr. Amadou Fofana**
Facilitateur National REACH. Facilitateur National REACH (Renewed Efforts Against Child Hunger). Africa.

**Dr. Marie Modestine Kana Sop**
Lecturer. Department of Biochemistry. Faculty of Science. University of Douala. Cameroun.

**Dr. Marcelline Ouedraogo**
National Laboratory of Public Health Ouagadougou. Burkina Faso.

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**8.00 - 10.00 h.**

**Scientific Symposium: 144/119 - Immunonutrition in health and disease: Evaluation of biomarkers**

**Room 9 - Retiro A**

Track 5: Nutrients and Nutritional Assessment

Organized by: International Society for Immunonutrition (ISIN)

- *Introduction of the Symposium*

Chair:

**Prof. Ascensión Marcos**
Full Research Professor at CSIC. Institute of Food Science and Technology. CSIC. Madrid. Spain.
• **Lifestyle habits and Immunonutrition.**
  Speaker: 
  **Prof. Ascensión Marcos**
  Full Research Professor at CSIC. Institute of Food Science and Technology. CSIC. Madrid. Spain.

• **Leptin-glucocorticoid circuitries control thymic atrophy in malnutrition and infectious diseases.**
  Speaker: 
  **Prof. Wilson Savino**

• **Biochemical markers in immune-depressed subjects.**
  Speaker: 
  **Dr. Nora H. Slobodianik**

• **The immunoinflammatory process in type 2 diabetes mellitus. How can we help?**
  Speaker: 
  **Prof. Roxana Valdés-Ramos**
  Faculty of Medicine. UAEM. Toluca. Mexico.

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8.00 - 10.00 h.  
**Scientific Symposium: 144/142 - Hydration and work (Hidratación y trabajo)**

**Room 10 - Auditorium**

Track 1: Advances in Nutrition Research
Organized by: FEN, SENC & GLANC (Spain & Latin America)
Chairs:

• **Hidratación y rendimiento cognitivo**
  Speaker: 
  **Prof. Lluis Serra-Majem**
  Universidad de Las Palmas de Gran Canaria. Presidente de la Academia Española de Nutrición y Ciencia Alimentaria. España.

• **Hidratación en el medio laboral**
  Speaker: 
  **Prof. Rafael Figueredo Grijalba**
  University of Asuncion. Paraguay

• **Hidratación y actividad física**
  Speaker: 
  **Dr. Patricia Sangenis**

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8.00 - 10.00 h. Scientific Symposium: 144/28 - Sodium Reduction and Considerations with Mineral Intakes
Room 12 - Atalaya
Track 3: Public Health Nutrition and Environment
Organized by: International Life Sciences Institute (ILSI) North America
Chair:
Dr. Christine Taylor
US Food and Drug Administration (retired). USA.
• Overview of Sodium Reduction in the US
Speaker:
Dr. Christine Taylor
US Food and Drug Administration (retired). USA.
• Progress on Sodium Reduction in the Americas
Speaker:
Prof. Mary L'Abbé
The University of Toronto. Canada.
• Sodium and Potassium Intakes and their Ratios in the US Diet
Speaker:
Dr. Regan Bailey
Purdue University. USA
• Modeling the Relationship of Sodium, Potassium, Calcium and Magnesium Intakes to Blood Pressure
Speaker:
Dr. Connie Weaver
Purdue University. USA.
• Panel Discussion
Chair:
Dr. Christine Taylor
US Food and Drug Administration (retired). USA.

8.00 - 10.00 h. Scientific Symposium: 144/157 - Scaling up, sustaining, and spinning off: Alive & Thrive’s lessons on infant and young child feeding in three countries, and implications for beyond
Room 13 - Águila
Track 3: Public Health Nutrition and Environment
Organized by: Alive & Thrive (USA)
Chair:
Dr. Karin Lapping
Alive & Thrive. FHI 360. USA.
• Opening remarks
Chair:
Dr. Karin Lapping
Alive & Thrive. FHI 360. USA.
• **Impact: Intervention results**
  Speaker:
  **Dr. Purnima Menon**
  International Food Policy Research Institute. India.

• **Implementation: What we did and how it worked (or didn’t)**
  Moderator:
  **Dr. Ellen Piwoz**
  Senior Program Officer, in the Nutrition Division of Global Development Program of the Bill & Melinda Gates Foundation. Seattle, USA
  Panelists:
  **Desta Kebede**
  **Silvia Alayon**
  Save the Children. USA.
  **Roger Mathisen**
  MSc. RD – Program Director. Alive & Thrive. Southeast Asia.
  **Raisul Haque**
  The Bangladesh Rural Advancement Committee (BRAC). Bangladesh.

• **Generation 2: Expanding our learnings to new geographies; next steps and sustainability**
  Speakers:
  **Dr. Tina Sanghvi**
  Alive & Thrive. FHI 360. USA.
  **Dr. Karin Lapping**
  Alive & Thrive. FHI 360. USA.
  **Dr. Nemat Hajeebhoy**
  Bill & Melinda Gates Foundation. USA.
  **Silvia Alayon**
  Save the Children. USA.

10.00 - 10.30 h. **Break**

10.30 - 11.15 h. **Plenary session: Building and implementing evidence based nutrition policy**
  **Plenary Room (Libertador A+B+C)**
  Chairs:
  **Prof. Ascensión Marcos**
  Full Research Professor at CSIC. Institute of Food Science and Technology. CSIC. Madrid. Spain.
  **Prof. Dr. Carlos A. González Infantino**
  Speaker:
  **Prof. Juan Ángel Rivera Dommarco**
11.30 - 13.30 h. **Scientific Symposium: 144/1050 - Addressing the Childhood Obesity Challenge: Where are we?**

**Room 1 - San Telmo**

Track 3: Public Health Nutrition and Environment

Organized by: International Union of Nutritional Sciences (IUNS) & World Health Organization (WHO)

- *Introductory remarks*

**Chairs:**

**Prof. Catherine Geissler**

Secretary General of the International Union for Nutritional Sciences (IUNS). United Kingdom.

**Dr. Chizuru Nishida**


- *Healthy Growth: Developing and applying the evidence base for addressing obesity and non-communicable disease*

**Speaker:**

**Prof. Alan Jackson**

IUNS Taskforce on addressing malnutrition. University of Southampton. United Kingdom.

- *Addressing social and economic consequences of childhood obesity*

**Speaker:**

**Prof. Franco Sassi**

Imperial College London. United Kingdom.

- *Childhood obesity in Mexico: Prevention programs for school age children*

**Speaker:**

**Dr. Elizabeth Solís-Pérez**


- *Childhood obesity in Egypt- Intervention programs*

**Speaker:**

**Dr. Habiba Hassan-Wassef**

National Research Centre (NRC). Cairo. Egypt.

- *WHO Strategies for addressing childhood obesity in the context of the Decade of Action on Nutrition*

**Speaker:**

**Dr. Francesco Branca**


11.30 - 13.30 h. **Scientific Symposium: 144/96 - Advances in Feeding Behavior Research and its relation to Nutrition**

**Room 2 - Libertador C**

Track 1: Advances in Nutrition Research

Organized by: Cusur, University of Guadalajara México (Mexico)

- *The why? and for what? of feeding behavior research and its relation to nutrition*

**Chair:**

**Dr. Antonio López-Espinoza**

CICAN. University of Guadalajara. Mexico.
• Experimental applications of feeding behavior research
  Speaker:
  **Dr. Virginia Gabriela Aguilera-Cervantes**
  CICAN. University of Guadalajara. Mexico.

• Clinical applications of feeding behavior research
  Speaker:
  **Dr. Alma Gabriela Martínez-Moreno**
  CICAN. University of Guadalajara. Mexico.

• Nutritional applications of feeding behavior research
  Speaker:
  **Dr. Mónica Katz**
  Favaloro University Buenos Aires. Argentina.

11.30 - 13.30 h.

**Scientific Symposium: 144/107 - Integrating preventive strategies into community-based management of acute malnutrition: what works?**

**Room 3 - Libertador B**

Track 3: Public Health Nutrition and Environment

Organized by: International Food Policy Research Institute (IFPRI) (USA)

Chair:

**Dr. Marie Ruel**


• **CMAM in practice: a powerful and positive connection to the community**
  Speaker:
  **Prof. Mark Manary**
  Department of Pediatrics. Washington University School of Medicine in St. Louis. Washington. USA.

• **The impact of adding a household WASH package to CMAM Program: a cluster-randomized controlled trial in Chad**
  Speaker:
  **Dr. Chiara Altare**
  Action Contre la Faim. France.

• **Integrating preventive strategies into CMAM using first-line health services: a cluster-randomized controlled trial in Burkina Faso**
  Speaker:
  **Dr. Elodie Becquey**

• **Community health workers as a delivery platform to integrate preventive strategies into CMAM: a cluster-randomized controlled trial in Mali**
  Speaker:
  **Dr. Lieven Huybregts**

Room 4 - Libertador A

Track 2: Nutrition through Life Course

Organized by: South Asia Infant Feeding Research Network (SAIFRN) (South Asia)

- Use of Mobile Phones for Infant and Young Child Feeding Counselling in Sri Lankan Tea Estates: A feasible option for health system strengthening

Speaker:
Prof. Upul Senarath
University of Colombo. Sri Lanka.

- M-SAKHI (Mobile Solutions Aiding Knowledge for Health Improvement) Merits and Challenges during Development & Implementation

Speaker:
Prof. Archana Patel
Lata Medical Research Foundation. India.

- Feasibility, acceptability and compliance of an integrated package of voice messaging, direct counselling, and unconditional cash transfers to improve maternal and child feeding practices

Speaker:
Dr. Ashraful Alam
Senior Research Fellow in Medical Anthropology. Sydney School of Public Health. University of Sydney. Australia.

- PART II: Strengthening policies and programs to support communication for better maternal and child nutrition

Chair:
Dr. France Begin
Senior Advisor, Infant & Young Child Nutrition, Nutrition Section. UNICEF. New York.

- An Overview of the IYCF Policy environment in Pakistan

Speaker:
Dr. Tabish Hazir

- IYCF policies and programs from an NGO perspective.

Speaker:
Dr. Morseda Chowdhury

- Opportunities to strengthen the policy environment to better support appropriate IYCF and reduce childhood malnutrition: Sri Lankan experience

Speaker:
Dr. Hiranya Senani Jayawickrama
11.30 - 13.30 h.

**Scientific Symposium: 144/1048 - Biomarkers Reflecting Inflammation and Nutrition Determinants of Anemia (BRINDA 2) Project**

**Room 5 - La Pampa**

Track 5: Nutrients and Nutritional Assessment
Organized by: BRINDA Steering Committee

**Chair:**

**Dr. Rafael Flores-Ayala**
CDC Nutrition Branch. USA.

- **Overview of Biomarkers Reflecting Inflammation and Nutrition Determinants of Anemia (BRINDA) Project**
  Speaker:
  **Dr. Parminder S. Suchdev**
  Associate Professor of Pediatrics & Global Health. Emory University. Medical Epidemiologist. Nutrition Branch. Centers for Disease Control & Prevention. USA.

  - **Approaches to address the association between inflammation and zinc in PSC and WRA**
    Speaker:
    **Dr. Christine McDonald**
    Children’s Hospital Oakland Research Institute, IZINCG. USA.

  - **Approaches to address the association between inflammation and vitamin B12 and folate in PSC and WRA**
    Speaker:
    **Dr. Melissa Young**
    Assistant Professor. Department of Global Health. Rollins School of Public Health. Emory University. USA.

  - **Role of stunting and inflammation on iron and zinc deficiencies in preschool children**
    Speaker:
    **Dr. O. Yaw Addo**
    Emory University and CDC. USA.

  - **Double burden of malnutrition: prevalence of MN deficiencies coexisting with obesity/overweight in WRA**
    Speaker:
    **Dr. Anne Williams**
    Emory University and CDC. USA.

  - **Double burden of malnutrition: prevalence of MN deficiencies coexisting with obesity/overweight in PSC**
    Speaker:
    **Dr. Reina Engle-Stone**
    University of California Davis. USA.
• Concluding remarks
Speaker:
Dr. Rafael Flores-Ayala
CDC Nutrition Branch. USA.

11.30 - 13.30 h.

Scientific Symposium: 144/11 - New lipids for a new nutrition
Room 6 - Catalinas
Track 6: Functional Foods and Bioactive Compounds
Organized by: INTA, University of Chile (Chile) & University of North Carolina at Chapel Hill (USA)
Chair:
Prof. Miguel Ángel Rincón-Cervera
Institute of Nutrition and Food Technology (INTA). University of Chile.

• Sustainable alternatives to obtain new edible oils and formulate rich in polyunsaturated fatty acids with nutritional interest
Speaker:
Prof. Miguel Ángel Rincón-Cervera
Institute of Nutrition and Food Technology (INTA). University of Chile.
Discussant:
Prof. Miguel Ángel Rincón-Cervera
Institute of Nutrition and Food Technology (INTA). University of Chile.

• Essentiality, physiological and nutritional aspects of polyunsaturated fatty acids and their derivatives: current trends
Speaker:
B.S. Rodrigo Wladimir Valenzuela Báez
Magister en Nutrición y Alimentos mención alimentos saludables y Doctor en Nutrición y Alimentos. Universidad de Chile. Chile.

• Role of n-3 polyunsaturated fatty acids from vegetable sources in the metabolic syndrome
Speaker:
Prof. Yolanda Bolzón de Lombardo

11.30 - 13.30 h.

Scientific Symposium: 144/1009 - Healthy consumption patterns and sustainable production: Exploring the links between agriculture, diet and lifestyle using organic as an example
Room 7 - Retiro C
Track 8: Agriculture, Food Science and Safety
Organized by: Danish Nutrition Society (Denmark)
Chairs:
Prof. Carlos Monteiro
School of Public Health, University of São Paulo. Brazil.
Prof. Pieter Dagnelie
University of Maastricht. The Netherlands.
• The organic food system as a model links agriculture, diet and lifestyle – presenting the case
Speaker:
Prof. Johannes Kahl
University of Copenhagen. Denmark.
• Public procurement as a means to link sustainable production with diet and lifestyle – the New Nordic Diet way
Speaker:
Prof. Susanne Bügel
University of Copenhagen. Denmark.
• Sustainability in dietary patterns accounting for farming practices: findings from the Bionutrinet project
Speaker:
Prof. Emmanuelle Kesse-Guyot
INRA. Epidemiology Research Center. Sorbonne Paris Cité University. France.
• Linking a food system with public health nutrition: What do we learn from organic?
Speaker:
Prof. Carola Strassner
FH Münster University of Applied Sciences. Germany.

11.30 - 13.30 h.
Room 8 - Retiro B
Track 7: Food Culture Practices and Nutritional Education
Organized by: Federation of Asian Nutrition Societies (FANS) (Asia)
Chairs:
Prof. Teruo Miyazawa
Project Leader and Professor of Food and Biotechnology Innovation Project. New Industry Creation Hatchery Center (NICHe). Tohoku University. Sendai. Japan.
Prof. Hisanori Kato
Project Professor. Organization for Interdisciplinary Research Projects. The University of Tokyo. President of the IUNS 22nd ICN 2021.
• Nutritional challenges and indigenous foods in Asia
Speaker:
Prof. Kraisid Tontisirin
Institute of Nutrition. Mahidol University. Thailand.
• Dietary culture and balance diet: strengths and weaknesses
Speaker:
Prof. Yuexin Yang
• The past and future of food culture and nutrition in Indonesia
Speaker:
Prof. Ridwan Hardinsyah
Bogor Agricultural University. Indonesia.
Food cultures and nutrition security in Malaysia: issues and challenges
Speaker:
Prof. Ismail Noor
Taylor’s University. Malaysia.

11.30 - 13.30 h.

Scientific Symposium: 144/76 - Nutritional Challenges in the Elderly
Room 9 - Retiro A
Track 5: Nutrients and Nutritional Assessment
Organized by: International Atomic Energy Agency (IAEA) (Austria)
• Introduction to the work of the IAEA in the field of nutrition
Chair:
Dr. Cornelia Loechl
PhD. International Atomic Energy Agency. Vienna. Austria
• Global trends in population aging
Speaker:
Dr. Enrique Vega Garcia
Pan American Health Organization. Washington DC. USA.
• Prevalence and functional impact of sarcopenia
Speaker:
Dr. Eduardo Ferriolli
Department of Clinical Medicine. University of São Paulo. Ribeirão Preto. SP. Brazil.
• Dietary factors contributing to sarcopenia syndrome
Speaker:
Dr. Heliodoro Alemán-Mateo
• Diagnosis and prevention of muscle loss; challenges in Latin America
Speaker:
Dr. Carlos Diego Márquez Jara
Institute of Nutrition and Food Technology (INTA). University of Chile. Santiago. Chile.

11.30 - 13.30 h.

Scientific Symposium: 144/160 - Vitamin D: new insights from physiology to clinical practice
Room 10 - Auditorium
Track 5: Nutrients and Nutritional Assessment
Organized by: Spanish Nutrition Society (SEÑ) (Spain)
Chairs:
Prof. Marcela González-Gross
Dr. Concepción M. Aguilera
• Vitamin D status around the world: epidemiological data and diagnosis
Speaker:
**Prof. Marcela González-Gross**
Vice-president of the Spanish Nutrition Society. Spain.

• Vitamin D: Classic and novel actions
Speaker:
**Prof. Ángel Gil**
Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.

• Vitamin D levels during pregnancy and fetal implications
Speaker:
**Dr. Elvira Larqué**
Department of Physiology. University of Murcia. Spain.

• Vitamin D and obesity
Speaker:
**Dr. Concepción M. Aguilera**

11.30 - 13.30 h.

**Scientific Symposium: 144/1055 - Evidence-based integration of nutrition across multiple sector programs: how can this be done?**

**Room 11 - Golden Horn**
Track 3: Public Health Nutrition and Environment
Organized by: Nutrition International (formerly MI) (CA) & Society for Implementation Science in Nutrition (SISN)

Chairs:
**Dr. Luz Maria De Regil**

**Dr. Chowdhury Jalal**

• Effective integration of nutrition into other sectors – opportunities and challenges
Speaker:
**Dr. Purnima Menon**
International Food Policy Research Institute. India.

• Integrated nutrition programming across government and non-government sectors in Timor-Leste – Strategies used to make collaboration at the household level the default
Speaker:
**Heather Grieve**
Australian Embassy and Development Program Dili. Timor-Leste.
• Integration and scaling up nutrition within NGO Programs - challenges and opportunities in Bangladesh
Speaker:
**Sayeda Shabukta Malik**
The Bangladesh Rural Advancement Committee (BRAC). Bangladesh.

• Evidence-based designing of integration of nutrition into multiple-sector BRAC programs (INBP) - Overview of the research
Speaker:
**Dr. Chowdhury Jalal**

• Strategy for integrated linkages between service delivery and household utilization across programs
Speaker:
**James Lee**
Independent Consultant. USA.

**11.30 - 13.30 h.**

**Scientific Symposium: 144/1073 - “BA Ciudad Activa” - Childhood Obesity. Prevention Plan.**

**Room 12 - Atalaya**
Organized by: Buenos Aires City Government (Argentina)

• The city of Buenos Aires in the face of the epidemic of childhood obesity
Chairs:
**B.S. Hector Gatto**

**B.S. María Florencia Flax Marcó**

• Food and nutritional situation throughout the life cycle in the CABA.
Speaker:
**Dr. Esteban Carmuega**

• Physical activity and sedentarism, the role of an Active City
Speaker:
**Dr. Santiago Kweitel**

• Building a comprehensive public policy on childhood obesity. Minister of Health. Government of the Autonomous City of Buenos Aires
Speaker:
**Dr. Ana Bou Perez**

*Nota: Este simposio se impartirá en Español con traducción simultánea / Note: This symposium will be held in Spanish with simultaneous translation*
11.30 - 13.30 h. **Scientific Symposium: 144/1075 - New advances in data visualization and mapping: tools for improved decision-making in nutrition**

**Room 13 - Águila**

Organized by: Global Alliance for Improved Nutrition (GAIN)

Chair:

**Mr. Dominic Schofield**

President, GAIN Canada and Senior Technical Advisor for Policy & Programmes The Global Alliance for Improved Nutrition (GAIN). Ottawa, Canada

- **Visualizing data on access to nutritious foods and the relationship with nutritional status, examples from Fill the Nutrient Gap assessments**

Speakers:

**Dr. Saskia De Pee**

World Food Programme. Rome, Italy.

- **The Malnutrition Map: From analysis to entrepreneur support**

Speaker:

**Mr. Jeff Terry**

Amway Corporation. Grand Rapids, USA.

- **Data mapping consortia for large-scale food fortification**

Speaker:

**Ms. Corey L. Luthringer**


- **Global trends in dietary micronutrient supplies and estimated prevalence of inadequate intakes**

Speaker:

**Dr. Ty Beal**

University of California, Davis, USA.

- **Discussion**

Discussants:

**Dr. Ellen Piwoz**

Senior Program Officer, in the Nutrition Division of Global Development Program of the Bill & Melinda Gates Foundation. Seattle, USA

**Dr. Jessica Fanzo**

Bloomberg Distinguished Professor. Johns Hopkins University. USA.

13.30 - 14.30 h. **Lunch Break**

14.30 - 15.00 h. **Special Lecture: Impact evaluation readiness in population-based nutrition programs: examples from food fortification**

**Room 1 - San Telmo**

Chair:

**Dr. Helena Pachón**


Speakers:

**Prof. Lynnette M. Neufeld**

Global Alliance for Improved Nutrition (GAIN). Canada.

**Prof. Valerie M. Friesen**

Global Alliance for Improved Nutrition (GAIN). Canada.
14.30 - 15.00 h. **Special Lecture: Inflammation and beta cell failure in Type 2 diabetes**  
Room 2 - Libertador C  
Chair:  
**Prof. Maria Puy Portillo Baquedano**  
University of the Basque Country. Spain.  
Speaker:  
**Dr. Gustavo Frechtel**  

14.30 - 15.00 h. **Special Lecture: A Community-based strategy for effective implementation of the baby friendly community initiative in rural Kenya: Challenges, Strengths and Opportunities**  
Room 3 - Libertador B  
Speaker:  
**Prof. Judith Ongaji Kimiywe**  
Kenyata University. Kenya.

14.30 - 15.00 h. **Special Lecture: The interface of maternal and child nutrition: how can we do better?**  
Room 4 - Libertador A  
Chair:  
**Dr. Francisco José Mardones Santander**  
Professor of Public Health. Pontifical Catholic University of Chile. President of the Ibero-American Chapter of the DOHaD Society. Chile.  
Speaker:  
**Dr. Zulfiqar Bhutta**  
SickKids Centre for Global Child Health & Professor. University of Toronto. Canada.

14.30 - 15.00 h. **Special Lecture: Biochemical profile in patients suffering different types of cancer and AIDS.**  
Room 5 - La Pampa  
Chair:  
**Dr. Patricia Ana Ronayne de Ferrer**  
Doctor in Biochemistry. Full Professor of Bromatology. Director of the Department of Health, Nutrition, Bromatology and Toxicology, Faculty of Pharmacy and Biochemistry, UBA. Director and Researcher in Research Projects. Argentina.  
Speaker:  
**Dr. Nora H. Slobodianik**  
14.30 - 15.00 h. **Special Lecture: Membrane Lipid Peroxidation in Human Nutrition and Aging**
*Room 6 - Catalinas*
Chair:
**Prof. Ricardo Uauy**
Speaker:
**Prof. Teruo Miyazawa**
Project Leader and Professor of Food and Biotechnology Innovation Project. New Industry Creation Hatchery Center (NICHe). Tohoku University. Sendai. Japan.

14.30 - 15.00 h. **Special Lecture: Why experiencing food insecurity has bad consequences for children and how we can prevent them**
*Room 7 - Retiro C*
Speaker:
**Prof. Edward Frongillo**
University of South Carolina. USA.

14.30 - 15.00 h. **Special Lecture: Gastronomy at the Intersection of Nutrition and Education**
*Room 8 - Retiro B*
Chair:
**Prof. Emilio Martinez de Victoria**
Universidad de Granada. España.
Speaker:
**Prof. Gregorio Varela-Moreiras**

14.30 - 15.00 h. **Special Lecture: HDL cardioprotective capacity: alterations in metabolic disorders**
*Room 9 - Retiro A*
Chair:
**MSc. Natalia Elorriaga**
Institute for Clinical Effectiveness and Health Policy (IECS). Argentina.
Speaker:
**Dr. Fernando D. Brites**

14.30 - 15.00 h. **Special Lecture: Trends in food production and trade**
*Room 10 - Auditorium*
Chair:
**B.S. Gabriela Saad**
Nutritionist. Assistant Secretary of the Council of the Argentine Association of Nutrition.
Speaker:
Ing. Agr. Mercedes Nimo
Undersecretary of Food and Beverage. Ministry of Agribusiness. Argentina.
Scientific Symposium: 144/111 - Promoting Nutrigenomic Education in Nutrition, Dietetics and Other Allied Health Curricula, an ISNN Initiative

Room 11 - Golden Horn

Track 1: Advances in Nutrition Research

Organized by: International Society for Nutrigenetics and Nutrigenomics (ISNN) (USA)

Chairs:

Prof. Martin Kohlmeier
University of North Carolina at Chapel Hill, and UNC Nutrition Research Institute. Kannapolis, USA

Prof. J. Alfredo Martínez

- Nutrigenomics case studies as teachable moments in nutrition education for health professionals
  Speaker:
  Prof. Martin Kohlmeier
  University of North Carolina at Chapel Hill, and UNC Nutrition Research Institute. Kannapolis, USA

- Omic education for graduates in nutrition and health-related sciences
  Speaker:
  Prof. Jose Luis Santos
  Chilean Society of Nutrition. Catholic University of Chile. Chile.

- The state of nutrigenomics education
  Speaker:
  Prof. Agata Chmurzynska
  Poznan University of Life Sciences. Faculty of Food Sciences. Department of Human Nutrition and Hygiene. Poland.

- Learning complex nutrigenomics topics using in silico lab activities and WebEx™ conferencing
  Speaker:
  Prof. Deborah Good

Scientific Symposium: 144/1057 - Why should governments focus on the linkages between nutrition education and food policies?

Room 12 - Atalaya

Track 3: Public Health Nutrition and Environment

Organized by: FAO & Columbia University (USA)

Chair:

Dr. Isobel Contento
Department of Health and Behavior Studies. Teachers College Columbia University. New York City. USA

Speaker:

Dr. Isobel Contento
Department of Health and Behavior Studies. Teachers College Columbia University. New York City. USA
• **WHAT WORKS? Global strategies for good diet in the UN Decade of action for nutrition**
  Speaker:
  **Ms. Jane Sherman**
  Independent Consultant. Italy.

• **Linkages between food provision, the food environment, and Food and Nutrition Education in schools: the rationale for FAO’s School Food and Nutrition approach.**
  Speaker:
  **Ms. Melissa Vargas Araya**
  Nutrition Division, Food and Agriculture Organization of the United Nations (FAO). Italy.

• **Health and nutrition surveys in Latin America and the Caribbean: inquiries on Food and Nutrition Education and the food environment**
  Speaker:
  **Ms. Alejandra Jiménez Aguilar**

• **Implementing food-based dietary guidelines to guide policies, programmes and consumer Food and Nutrition Education.**
  Speaker:
  **Dr. Ramani Wijesinha Bettoni**
  Nutrition Division. Food and Agriculture Organization of the United Nations (FAO). Italy.

• **Mexicans’ awareness of the sugar-sweetened beverage tax (SSBs) and their beliefs, attitudes, and practices towards SSBs in this context.**
  Speaker:
  **Ms. Cristina Álvarez**
  Department of Health and Behavior Studies. Teachers College Columbia University. New York City. USA.

**15.00 - 16.30 h.**  [Oral Abstract Presentations: Simultaneous sessions](#)

**16.30 - 17.00 h.**  [Break](#)

**17.00 - 19.00 h.**  [Simultaneous Sponsored Symposiums](#)
  See Sponsored Programme

**19.00 - 21.00 h.**  [Other activities](#)
Friday, October 20

8.00 - 10.00 h.  
Scientific Symposium: 144/99 - Strengthening cross-sectoral country capacity for evidence-informed decision-making to scale-up nutrition

Room 1 - San Telmo
Track 3: Public Health Nutrition and Environment
Organized by: Institute of Tropical Medicine (RV), North West University (CT) (South Africa)

- *Introduction of symposium*
  
  Chair:
  
  **Dr. Christine Taljaard**
  North-West University, South Africa.

- *Supporting policies, programs, and enabling action through research: the way forward*

  Speaker:
  
  **Dr. Stuart Gillespie**
  International Food Policy Research Institute (IFPRI), United Kingdom.

- *Evidence generation and knowledge brokering to improve practice and decision-making in nutrition: tailored knowledge management services to SUN countries*

  Speaker:
  
  **Tui Swinnen**
  Global Knowledge Management Coordinator at ENN

- *The state of evidence generation to support nutrition progress in CAADP*

  Speaker:
  
  **Dr. Namukolo Covic**
  International Food Policy Research Institute (IFPRI), Ethiopia.

- *Strengthening capacity for evidence informed decision making: EVIDENT lessons and opportunities*

  Speaker:
  
  **Dr. Richmond Aryeetey**
  University of Ghana School of Public Health, Federation of African Nutrition Societies (FANUS), United Kingdom.

- *Interactive discussant*

  Chair:
  
  **Dr. Roosmarijn Verstraeten**
  Independent researcher, Belgium.
8.00 - 10.00 h. **Scientific Symposium: 144/29 - The Changing Nutrition Landscape: Implications for Research**

**Room 2 - Libertador C**

Track 3: Public Health Nutrition and Environment

Organized by: United Nations Standing Committee on Nutrition (UNSCN)

- **Introduction**
  
  Chair:
  
  **Prof. Anna Lartey**

  President of the International Union of Nutritional Sciences (IUNS). Director of Nutrition at the Food and Agriculture Organization of the United Nations (FAO). Rome. Italy.

- **UNSCN tracking emerging issues and brokering knowledge**

  Speaker:
  
  **Stineke Oenema**


  - **Cross road between policies and research, research in the Committee on Food Security (Video-Presentation)**

  Speaker:
  
  **Dr. Patrick Caron**

  Chair HLPE (High Level Panel of Experts on Food Security and Nutrition) Steering Committee. France.

  - **Non-communicable diseases in the new nutrition landscape (including double-duty actions)**

  Speaker:
  
  **Paula Johns**

  Global NCD Alliance Steering Group. Director of ACT+ Brazil. Organic Farmer. Member of the Healthy Latin America Coalition. Brazil.

  - **Why aren’t we doing more research into the role of business in nutrition?**

  Speaker:
  
  **Dr. Lawrence Haddad**


  - **Three years GNR, calls for action and their impact**

  Speaker:
  
  **Dr. Jessica Fanzo**

  Bloomberg Distinguished Professor. Johns Hopkins University. USA.

8.00 - 10.00 h. **Scientific Symposium: 144/1037 - Addressing Barriers to Exclusive Breastfeeding: Evidence and Lessons Learnt from Baby Friendly Country Programs**

**Room 6 - Catalinas**


Chair:

**Dr. Cyril Engmann**

Program Leader. Maternal, Newborn, Child Health and Nutrition Global Program. PATH. USA.

- **Systematic Review of Barriers to Exclusive Breastfeeding (EBF) in Low and...**
Middle Income Countries: Evidence and Program Implications

Speaker:

**Dr. Justine Kavle**
Maternal and Child Survival Program (MCSP)/PATH. Washington DC. USA

- Development and roll-out of national Baby Friendly Community Initiative (BFCI) guidelines: Experience on addressing barriers to EBF in Kenyan communities

Speaker:

**Brenda Ahoya**
MCSP/PATH in collaboration with Kisumu/Migori County Ministry of Health (MOH). Kenya.

- Programmatic experience on revitalization of the Baby Friendly Hospital Initiative (BFHI) in Malawi: Lessons learnt on barriers to EBF at facility level

Speaker:

**Janet Guta**
Ministry of Health (MOH). Malawi.

- Program implications for addressing barriers to exclusive breastfeeding: progress to date and future considerations

Speaker:

**Dr. Chessa Lutter**
RTI International and University of Maryland School of Public Health. Washington DC. USA.

8.00 - 10.00 h.

**Scientific Symposium: 144/144 - Sweeteners: Advantages and Applications in the 21st Century**

Room 7 - Retiro C

Track 8: Agriculture, Food Science and Safety

Organized by: FIN and Spanish Foundation for Nutrition (FEN) (Spain)

Chairs:

**Dr. Carmen Pérez-Rodrigo**
Spanish Society of Community Nutrition (SENC). Spain.

**Prof. Gregorio Varela-Moreiras**

- Sweeteners and new flavors

Speaker:

**Dr. Hugo Laviada Molina**
Professor and Researcher. University Marista de Mérida. Mexico.

- Interest and safety of sweeteners: a view from public health

Speaker:

**Prof. Lluis Serra-Majem**
Universidad de Las Palmas de Gran Canaria. Presidente de la Academia Española de Nutrición y Ciencia Alimentaria. España.
The new low-calorie sweeteners: state of research on its benefits and potential applications
Speaker:
Prof. Anne Raben
Department of Nutrition, Exercise and Sports. Faculty of Science.
University of Copenhagen. Denmark.

8.00 - 10.00 h. Scientific Symposium: 144/41 - Understanding Dietary Patterns: A Step toward Devising a Global Nutrition Strategy
Room 8 - Retiro B
Track 7: Food Culture Practices and Nutritional Education
Organized by: International Life Sciences Institute (ILSI), the ILSI Research Foundation and ILSI branches
• Nutrition Guidance in the Age of Globalized Markets
Speaker:
MSc. Georgina Gómez Salas
• What Are Dietary Patterns: Physiology and Psychology Underlying Food Choice
Speaker:
Prof. Adam Drewnowski
Center for Public Health Nutrition. University of Washington. USA
• Methods to Collect and Compare Data Across Geography
Speaker:
Regina Fisberg
University of São Paulo
• Data mining to find protective or risky dietary patterns for common complex diseases: implications on devising dietary guidelines
Speaker:
Dr. Wen-Harn Pan
Academia Sinica.

8.00 - 10.00 h. Scientific Symposium: 144/134 - Nutrition data life-course: harmonization, quality assurance and application
Room 9 - Retiro A
Track 5: Nutrients and Nutritional Assessment
Organized by: Nutrition International (formerly MI) (CA) & Society for Implementation Science in Nutrition (SISN)
• SMART methodology and its tools
co-Chair:
Manager Victoria Sauveplane
Action Against Hunger (Action Contre la Faim ACF). Canada.
• Nutrition Intervention Monitoring Surveys (NIMS) – a story of harmonizing data indicators and methods across multiple countries
  Chair:
  Dr. Sara Wuehler
• External monitoring of nutrition surveys – experiences from developing and implementing monitoring tools in two multi-country survey contexts
  Speaker:
  Prof. Daniel Sellen
  University of Toronto. Canada.
• Using data for impact modeling of nutrition interventions
  Speaker:
  Sr Prg Andrew Thompson
  Nutrition International. Canada
  • Global implications and Panel/Audience discussion
  Moderator:
  Dr. Luz Maria De Regil
  Panelists:
  Prof. Daniel Sellen
  University of Toronto. Canada.
  Manager Victoria Sauveplane
  Action Against Hunger (Action Contre la Faim ACF). Canada.
  Dr. Sara Wuehler
  Sr Prg Andrew Thompson
  Nutrition International. Canada

8.00 - 10.00 h.  
Scientific Symposium: 144/135 - Nutritional Management in ICU.
Room 10 - Auditorium
Track 4: Nutrition and Management of Diseases
Organized by: Paraguayan Society of Nutrition (Paraguay)
Chair:
Dr. Ana María Ferreira Heyn
• Nutritional assessment tools in critically ill patients.
  Speaker:
  BS. Claudia Bordón Riveros
• How many calories and proteins we should indicate in critically ill patients with obesity?
  Speaker:
  Dr. Maria Cristina Jiménez Bazzano
  Clinical Hospital. National University of Asuncion. Paraguay.
• Parenteral versus Enteral Nutrition in critically ill patients.
Speaker:
Dr. Ana María Ferreira Heyn

• Sarcopeny in ICU
Speaker:
Prof. Rafael Figueredo Grijalba
University of Asuncion. Paraguay

• Hyperglycemia in critically ill patients. Nutritional management
Speaker:
Dr. Gustavo Rubén Kliger

• Protein intake in critically ill patient with renal failure
Speaker:
Dr. Mario Ignacio Perman

8.00 - 10.00 h.

Scientific Symposium: 144/150 - Glutamate a simple molecule with several faces
Room 12 - Atalaya
Track 5: Nutrients and Nutritional Assessment
Organized by: Pontificia Universidad Javeriana (Colombia)
Chair:
Prof. Felix Reyes
University of Campinas. Brazil.

• Why do we like the umami taste of glutamate?
Speaker:
Ana San Gabriel

• Umami taste: A tool to reduce sodium intake
Speaker:
Prof. Felix Reyes
University of Campinas. Brazil.

• How does glutamate work in your brain?
Speaker:
Dr. Sonia Luz Albarracin
Pontificia Universidad Javeriana. Colombia.

• Glutamate in the control of energy balance
Speaker:
Dr. Manuel Eduardo Baldeón
Center for Biomedical Research. School of Medicine. Universidad Tecnológica Equinoccial. Quito. Ecuador.
8.00 - 10.00 h. **Scientific Symposium: 144/33 - Adolescent Nutrition globally: a new frontier for action**

**Room 13 - Águila**
Track 2: Nutrition through Life Course
Organized by: Centre for Global Child Health, The Hospital for Sick Children (Canada)

Chairs:

**Dr. Stanley Zlotkin**  
SickKids Centre for Global Child Health, Canada.

**Dr. Ellen Piwoz**  
Senior Program Officer, in the Nutrition Division of Global Development Program of the Bill & Melinda Gates Foundation. Seattle, USA

- *Adolescent health and nutrition analysis from observational studies: key findings from a global learning initiative*

Speakers:

**Dr. Gilles Bergeron**  
Executive Director of the Sackler Institute for Nutrition Science, USA.

**Prof. Megan Bourassa**  
Program Manager, Sackler Institute for Nutrition Science, New York Academy of Sciences, USA.

- *Global burden and epidemiology of adolescent nutrition: issues and risk factors*

Speaker:

**Dr. Parul Christian**  
Bill and Melinda Gates Foundation, USA.

- *Effectiveness of nutrition interventions among adolescent girls: how does the evidence stack up?*

Speaker:

**Dr. Zulfiqar Bhutta**  
SickKids Centre for Global Child Health & Professor, University of Toronto, Canada.

10.00 - 10.30 h. **Break**

10.30 - 11.30 h. **Closing Lecture: Our quest for healthy diets: the role of Nutrition Scientists**

**Plenary Room (Libertador A+B+C)**

Chairs:

**Prof. J. Alfredo Martínez**  

**Dr. Mabel Alicia B. Carrera**  
President of the IUNS 21st International Congress of Nutrition (ICN) 2017, Buenos Aires, Argentina.

Speaker:

**Prof. Anna Lartey**  
President of the International Union of Nutritional Sciences (IUNS). Director of Nutrition at the Food and Agriculture Organization of the United Nations (FAO). Rome, Italy.
11.30 - 11.45 h.  Presentation: IUNS 22nd ICN 2021 Tokyo, Japan
Plenary Room (Libertador A+B+C)
Speaker:
Prof. Hisanori Kato
Project Professor. Organization for Interdisciplinary Research Projects. The University of Tokyo. President of the IUNS 22nd ICN 2021.
• Visit www.icn2021.org

11.45 - 12.00 h.  Presentation of IUNS Fellows

12.00 - 12.05 h  Welcome of the new IUNS President
Plenary Room (Libertador A+B+C)
Speaker:
Prof. J. Alfredo Martínez

12.05 - 12.15 h.  Closing Ceremony
Plenary Room (Libertador A+B+C)

Dr. Mabel Alicia B. Carrera

Prof. Anna Lartey
President of the International Union of Nutritional Sciences (IUNS). Director of Nutrition at the Food and Agriculture Organization of the United Nations (FAO). Rome. Italy.

Prof. J. Alfredo Martínez

Prof. Hisanori Kato
Project Professor. Organization for Interdisciplinary Research Projects. The University of Tokyo. President of the IUNS 22nd ICN 2021.

12.15 - 13.00 h.  Closing Performance
Plenary Room (Libertador A+B+C)
**SPONSORED SCIENTIFIC PROGRAMME**

**Monday, October 16**

17.00 - 19.00 h. **Symposium: 144/1045 - Role of Micronutrients for Public Health**  
*Room 2 - Libertador C*  
Organized by: DSM  
Chair:  
**Prof. Manfred Eggersdorfer**  
DSM Nutritional Products. Switzerland. University Medical Center Groningen. The Netherlands.  
• *Micronutrients as an investment in human capital*  
Speaker:  
**Prof. Ricardo Uauy**  
• *Impact of micronutrients on health and health economy*  
Speaker:  
**Prof. Manfred Eggersdorfer**  
DSM Nutritional Products. Switzerland. University Medical Center Groningen. The Netherlands.  
• *Presentation of the DSM Nutritional Sciences Awards*

17.00 - 19.00 h. **Symposium: 144/1069 - Towards healthier practices: when nutrition epidemiology meets food socio-anthropology**  
*Room 3 - Libertador B*  
Organized by: Danone Nutricia Research (France)  
Chair:  
**Dr. Miriam Bertrán Vilá**  
Depto. Atención a la Salud UAM-Xochimilco. Mexico  
• *Eating is dynamic, importance of having dietary data and a dynamic lecture of food habits*  
Speaker:  
**Dr. Esteban Carmuega**  
• *Eating is also social α-cultural, importance of taking into account socio-cultural dimensions of alimentation to go beyond nutrition dimension and normative approaches*  
Speaker:  
**Prof. Hayat Zirari**  
Professor of Anthropology. University Hassan II. Morocco.
• From knowing the reality to implementing concrete public health actions
  Speaker:
  **Prof. Marle Alvarenga**

17.00 - 19.00 h.

**Symposium: 144/1000 - Sustainable and healthy diets: from national dietary guidelines to achieving dietary changes**
**Room 4 - Libertador A**
Organized by: Fondation Daniel et Nina Carasso (France)

• Introduction
  Chair:
  **Dr. Tara Garnett**
  Food Climate Research Network (FCRN). United Kingdom.

• Keynote I: What are current interdisciplinary understanding of what sustainable and healthy consumption patterns look like?
  Speaker:
  **Dr. Jennie MacDiarmid**
  University of Aberdeen. United Kingdom.

• Keynote II: Current dominant metrics used to assess the health and sustainability of dietary patterns; status of research in this area; future needs.
  Speaker:
  **Dr. Andrew Jones**
  University of Michigan. USA.

  *Global overview of national action to date on sustainable and healthy dietary guidelines.*
  Speaker:
  **Dr. Carlos Gonzales-Fisher**
  University of Buenos Aires. Argentina.

• Brazil’s dietary guidelines: a case study.
  Speaker:
  **Prof. Carlos Monteiro**
  School of Public Health, University of São Paulo. Brazil.

17.00 - 19.00 h.

**Symposium: 144/1068 - The Road to Publication**
**Room 5 - La Pampa**
Organized by: Springer Nature

Chair:
**Prof. Ian A. MacDonald**

• The Road to Publication
  Speaker:
  **Prof. Ian A. MacDonald**
17.00 - 19.00 h. **Symposium: 144/153 - Eating Patterns and Dietary Intake of Infants, Toddlers and Children: Insights from Cross-Country Analysis**

**Room 6 - Catalinas**
Organized by: Nestlé Research Center (Switzerland)

- **Feeding Infants and Toddlers Study (FITS) & Kids Nutrition and Health Study (KNHS): progress and implications**
  
  **Chair:**
  **Dr. Johanna Dwyer**
  Tufts University School of Medicine. Boston. USA.
  
  **Introduction to FITS and KNHS: methodological challenges in dietary intake collection among infants, toddlers and children in Australia, China, Mexico, Russia and the US**
  
  **Speaker:**
  **Dr. Alison Eldridge**
  Nestlé Research Center. Switzerland.

- **Complementary feeding and the transition to foods of the family table in China, Mexico, Russia and US**
  
  **Speaker:**
  **Dr. Liya Denney**
  Nestlé Research Center. Switzerland.

- **Intake of total and added sugars among children in Australia, China, Mexico, Russia and US**
  
  **Speaker:**
  **Dr. Alison Eldridge**
  Nestlé Research Center. Switzerland.

- **The role of snacking in the diets of children in Australia, China, Mexico and US**
  
  **Speaker:**
  **Dr. Emma Jacquier**
  Nestlé Research Center. USA.

17.00 - 19.00 h. **Symposium: 144/1065 - “Infoxicated”: caught in communication**

**Room 7 - Retiro C**
Organized by: Grupo ARCOR (Argentina)

**Chair:**
**Dr. Mónica Katz**
Favaloro University Buenos Aires. Argentina.

- **Alimentarse = nutrirse + gratificarse + vincularse.**
  
  **Speaker:**
  **B.S. Marcelo Dario Siano**

- **El problema de las sectas y los fundamentalistas. Fuentes de informacion. Apologia de la enfermedad.**
  
  **Speaker:**
  **Dr. Alberto Cormillot**
  Clinical physician. Center for Education and Research in Diabetes Nutrition and Obesity (CEIDON) and Nutrition and Health Clinic Dr. Alberto Cormillot. Argentina.
17.00 - 19.00 h.

**Symposium: 144/1033 - Early Detection of malnutrition in the facility and community setting for improved health and economic outcomes**

*Room 8 - Retiro B*

Organized by: Abbott Nutrition (USA)

**Moderator:**

**Prof. Ángel Gil**

Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.

- **Improving Health Outcomes: Early Detection of Malnutrition Utilizing Validated Tools**

**Speaker:**

**Dr. Maria Isabel Correia**

Retired Professor of Surgery, Universidade Federal de Minas Gerais. Brazil.

- **Creating a Replicable Model of Nutrition Care Excellence in the Clinical Setting.**

**Speaker:**

**Olga Lucia Pinzón Espitia**

Universidad Nacional de Colombia Nutrición Clínica Universidad Nacional de Colombia and Mederi Hospital. Colombia.

- **Reducing the Economic Burden of Malnutrition Through Targeted Interventions**

**Speaker:**

**Dr. Krishnan Sriram**

Tele-Intensivist, Advocate Health Care; Retired Fellowship Program Director & Division Chair, Surgical Critical Care, & Director, Nutrition Support Team, at Stroger Hospital of Cook County. Chicago. USA.

- **Advancing Clinical Quality Improvement Programs: A Data Driven Approach to Capture the Cost of Malnutrition**

**Speaker:**

**Dr. Álvaro Ruiz-Morales**

Professor of Internal Medicine and Clinical Epidemiology at Pontificia Universidad Javeriana. Bogota Colombia.

*Nota: Este simposio se impartirá en Español con traducción simultánea / Note: This symposium will be held in Spanish with simultaneous translation*
17.00 - 19.00 h.  

**Symposium: 144/20 - Addressing Today’s Nutrition and Public Health Challenges with Food Technology Innovations**

*Room 10 - Auditorium*

Organized by: Tate & Lyle (USA)

Chair:

**Kavita Karnik**
Director, Nutrition, Tate & Lyle.

Understanding global food systems and how food technology can help to address nutrition needs

Speaker:

**Prof. Ruth MacDonald**
Iowa University. USA.

*The impact of consumer influence and how food technology can bridge consumer desires and nutrition needs*

Speaker:

**Prof. Mario Ferruzzi**

*Applying innovative ingredients as food technology solutions to meet nutrition needs and support public health*

Speaker:

**Dr. Kirstie Canene-Adams**
Tate & Lyle. USA.

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**Tuesday 17 October**

17.00 - 19.00 h.  

**Symposium: 144/1061 - Nuts and dried fruit consumption and health: New insights**

*Room 2 - Libertador C*

Organized by: International Nut and Dried Fruit Council Foundation (Spain)

Chair:

**Prof. Jordi Salas-Salvadó**
Universitat Rovira i Virgili. Spain.

*Nut consumption and cognitive function.*

Speaker:

**Dr. Emilio Ros**
Hospital Clínico, University of Barcelona and CIBEROBN, Instituto de Salud Carlos III, Spain.

*Dried fruit consumption and osteoporosis (bone health)*

Speaker:

**Dr. Bahram H. Arjmandi**
Florida State University. USA
• Effect of nut consumption on insulin resistance/secretion and diabetes control
Speaker:
Dr. Cyril Kendall
University of Toronto. Canada.

17.00 - 19.00 h.

Symposium: 144/1066 - Health impact of sugar intake in infancy and childhood
Room 3 - Libertador B
Organized by: Nestlé Nutrition Institute (Switzerland)
Chair:
Prof. Jatinder Bhatia
Augusta University. USA.
• Early Learning about Flavors: Functional Significance and Implications for Health
Speaker:
Prof. Catherine Forestell
The College of William & Mary. USA.
• Patterns of Sugar Intake in Infants and Toddlers
Speaker:
Dr. Regan Bailey
Purdue University. USA
• Key Nutritional Recommendations on Sugars
Speaker:
Prof. John L Sievenpiper
Department of Nutritional Sciences, Faculty of Medicine, University of Toronto; Division of Endocrinology & Metabolism, St. Michael’s Hospital. Canada.
• Health Impact of Sugar Intake
Speaker:
Prof. Jatinder Bhatia
Augusta University. USA.

17.00 - 19.00 h.

Symposium: 144/149 - The role of family in nurturing healthy eating habits in children
Room 4 - Libertador A
Organized by: Danone Institute International (France)
Chair:
Prof. Olivier Goulet
• Parental socialization of healthy eating habits among children
Speaker:
Prof. Sheryl Hughes
Improving children’s eating habits through eating together
Speaker:
Prof. Jess Haines

How to create a healthy home food environment
Speaker:
Prof. Leslie Lytle

17.00 - 19.00 h.  Symposium: 144/1005 - Emerging science on bioactives in whole grains
Room 5 - La Pampa
Organized by: Quaker Oats Center of Excellence (USA)
Chair:
Brenda Leticia Salgado Enriquez
Quaker Nutrition Sciences Director Latin America. Mexico.

The Role of Bioactive Compounds in Whole Grains: Potential Benefits for Human Health
Speaker:
Prof. Renee Korczak
Department of Food Science and Nutrition. University of Minnesota. USA.

Oats, more than just a fiber: The role of unique bioactive Avenanthramides
Speaker:
Dr. Shengmin Sang

From research to dietary recommendations
Speaker:
Dr. Zulema Stolarza
Coordinator of the Nutrition and Diabetes Service of the Hospital Dr. César Milstein (former French Hospital). Argentina.

17.00 - 19.00 h.  Symposium: 144/165 - Nutritional reformulation of food products – a key strategy for improving food supply in Latin America
Room 6 - Catalinas
Organized by: Nestlé Research Center (Switzerland)

The enduring and emerging health panorama in Latin America that motivates a consideration of food reformulation
Chair:
Prof. Noel W. Solomons
Centre for Studies of Sensory Impairment, Aging and Metabolism (CeSSIAM). Guatemala.
• Food policies and the evolution of eating in Canada  
   Speaker:  
   **Prof. Mary L'Abbé**  
   The University of Toronto. Canada.  
• Nutrient profiling for product reformulation: the benefit for the consumer  
   Speaker:  
   **Dr. Gabriel Masset**  
   Nestlé Research Center. Switzerland.  
• Food reformulation: a public health and economic perspective  
   Speaker:  
   **Dr. Louis-Georges Soler**  

17.00 - 19.00 h.  
**Symposium: 144/19 - Food Values Project: How emerging global food values are shaping the policy, regulatory and consumer landscape**  
**Room 7 - Retiro C**  
Organized by: FoodMinds (USA)  
• **Food Values Factor Analysis: A diagnostic and planning framework**  
   Chair:  
   **Susan Pitman**  
   FoodMinds. USA.  
• **Impact of Food Values: Policies and predictions for the future**  
   Speaker:  
   **Sylvia Rowe**  
   SR Strategy. USA.  
• **Perspective: The impact of food values on dietary patterns and public health challenges in Latin America.**  
   Speaker:  
   **Heloisa Guarita**  
   RG Nutri. Brazil.  
• **How evolving food values are driving major policies in Europe.**  
   Speaker:  
   **Dr. Veronique Braesco**  
   VAB Nutrition. France.

17.00 - 19.00 h.  
**Symposium: 144/129 - Stevia: An ally to support nutrition and health**  
**Room 8 - Retiro B**  
Organized by: International Stevia Council (ISC) (Belgium) & Calorie Control Council (CCC) (USA)  
• **Introduction**  
   Chair:  
   **Dr. Susana Socolovsky**  
   President of the Argentine Association of Food Technologists (AATA). Argentina.
• **Health and Wellness of Stevia**  
  Speaker:  
  **Dr. Keith Ayoob**  
  Albert Einstein College of Medicine. USA.

• **Overview of Stevia Approvals by the Global Safety Authorities**  
  Speaker:  
  **Dr. Ashley Roberts**  

• **Application and Innovation in Stevia and Taste Development**  
  Speaker:  
  **Dr. John Fry**  
  Connect Consulting. United Kingdom.

• **Global Demand for Stevia and Stevia Labelling Worldwide**  
  Speaker:  
  **Maria Teresa Scardigli**  

17.00 - 19.00 h.  
**Symposium: 144/88 - Is there a Role for Dietary/Food Supplements in Nutrition and Health?**  
**Room 9 - Retiro A**  
Organized by: International Alliance of Dietary/Food Supplement Associations (UK)  
• **Welcome from the session Chair: Framing the issue**  
  Speaker:  
  **Dr. Johanna Dwyer**  
  Tufts University School of Medicine. Boston. USA.

• **From challenges of the past to opportunities of the future: Evolution of the field of nutrition**  
  Speaker:  
  **Dr. Andrew Shao**  
  Chair of the IADSA Scientific Council. Representative of Herbalife Nutrition. Los Angeles. USA.

• **Dietary/food supplements in health promotion: Illustrations of the benefits and risks of research**  
  Speaker:  
  **Dr. Jeffrey Blumberg**  
  Tufts University Friedman School of Nutrition Science & Policy. Boston. USA.

• **Regulation of dietary/food supplements: A global overview**  
  Speaker:  
  **Simon Pettman**  
  Executive Director. IADSA. London. United Kingdom.

• **Panel Discussion**  
  Chairs:  
  **Prof. Silvia Franciscato Cozzolino**  
  University of Sao Paulo. Brazil.  
  **Prof. Ricardo Uauy**  
17.00 - 19.00 h.  

**Symposium: 144/1010 - Mindful eating applied to snacking: a promising behavioral approach supported by research**

**Room 10 - Auditorium**

Organized by: Mondelez International (USA)

Chair:

**Dr. Jean Kristeller**

Department of Psychology. Indiana State University. Terre Haute. Indiana. USA.

co-Chair:

**Dr. Sophie Vinoy**


- *Snacking in different parts of the world: a marker of dietary anarchy or a useful contributor to diet quality and weight control?*

Speaker:

**Dr. France Bellisle**


- *Eating mindfully as a sustainable healthy behavior: Theory and evidence.*

Speaker:

**Dr. Jean Kristeller**

Department of Psychology. Indiana State University. Terre Haute. Indiana. USA.

- *How mindfulness can benefit to snacking?*

Speaker:

**Dr. Yann Cornil**

Sauder School of Business. University of British Columbia. Canada.

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17.00 - 19.00 h.  

**Symposium: 144/158 - Food fortification: A new vision for an old problem**

**Room 12 - Atalaya**

Organized by: Granotec Foundation (Chile)

Chairs:

**Msc. Ximena López**

Granotec Group. Chile.

**Prof. Javier Morán**

Catholic University of Murcia (UCAM). Spain.

- *Epidemiology of micronutrient deficiency in Latin America, public health significance.*

Speaker:

**Prof. Javier Morán**

Catholic University of Murcia (UCAM). Spain.

- *Monitoring practices of flour fortification in Latin America: gaps and suggestions*

Speaker:

**Dr. Helena Pachón**

**Nutrient Profiling strategies in Latin America and its influence on the control of micronutrient deficiency**

Speaker: **Prof. Ángel Gil**

Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.

**Study of the contributions in bread related to the contribution of fortification levels of iron in wheat flour**

Speaker: **Msc. Ximena López**

Granotec Group. Chile.

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**Wednesday, October 18**

17.00 - 19.00 h.

**Symposium: 144/1078 - Liq.In7: Global overview of fluid intake worldwide and public health implications**

Room 2 - Libertador C

Organized by: Danone Nutricia Research (France)

Chair: **Dr. Esteban Carmuega**


**Water the forgotten nutrient and its health implications**

Speaker: **Prof. Stavros A. Kavouras**

PhD Ph.D, FACSM. University of Arkansas. USA.

**Are dietary assessment tools accurate and specific for fluid intake?**

Speaker: **Dr. Joan Gandy**

British Dietetic Association. United Kingdom.

**Fluid Intake of children, adolescents and adults: 15 Liq.In7 surveys over 3 continents**

Speaker: **Dr. Isabelle Guelinckx**


**Liq.In7 in Latin America, latest national surveys**

Speaker: **Dr. Homero Martinez**

Hospital Infantil de Mexico Federico Gomez. Mexico City, Mexico. Micronutrient Forum Secretariat. Ottawa, Canada.
17.00 - 19.00 h. **Symposium: 144/69 - A program to help parents establish healthier eating and lifestyle habits: Healthier Kids**

**Room 3 - Libertador B**

Organized by: Nestlé Nutrition Institute (Switzerland)

**Chairs:**

**Prof. Benjamin Caballero**
Bloomberg School of Public Health. Johns Hopkins University. Maryland. USA.

**Dr. Jai Das**
Division of Women and Child Health. Aga Khan University. Pakistan.

- **Behavior change programs driving healthier diets and lifestyles: What do we know?**
  
  **Speaker:**
  **Prof. Jeff French**
  Brighton University. Kings College University. Strategic Social Marketing. United Kingdom

- **Introduction to the Healthier Kids Program**
  
  **Speaker:**
  **Prof. Andrew M. Prentice**
  MRC Unit. The Gambia & MRC International Nutrition Group. London School of Hygiene and Tropical Medicine. United Kingdom.

- **Healthier Kids: An innovative program and opportunity for private public engagement**
  
  **Speaker:**
  **Prof. Adam Drewnowski**
  Center for Public Health Nutrition. University of Washington. USA

- **The science behind the 6 healthier behaviors of the Healthier Kids program.**
  
  **Speaker:**
  **Prof. Barbara Rolls**
  Department of Nutritional Sciences. The Pennsylvania State University. USA.

- **Country examples of the Healthier Kids program – The Philippines and Pakistan.**
  
  **Speaker:**
  **Dr. Jai Das**
  Division of Women and Child Health. Aga Khan University. Pakistan.

17.00 - 19.00 h. **Symposium: 144/152 - 5th YINI Summit - Fermented Foods and Health: The Intersection of Gut Microbiota and Fermentation Microbes**

**Room 4 - Libertador A**

Organized by: Yogurt in Nutrition Initiative for a Balanced Diet (YINI) (USA)

**Chairs:**

**Prof. Sharon Donovan**

**Prof. Olivier Goulet**
• The Gut Microbiota: The Intersection between Diet and Health
Speaker:
Prof. Sharon Donovan

• Health benefits of fermented dairy foods: microbiota and beyond
Speaker:
Dr. Robert Hutkins
Khem Shahani Professor of Food Science. University of Nebraska. USA.

• Yogurt intake and prevention of cardiometabolic diseases: The role of fermentation products
Speaker:
Prof. Andre Marette

• Improving your diet with fermented foods: harmonizing of dietary guidelines including fermented milks
Speaker:
Dr. Seppo Salminen

17.00 - 19.00 h.
Symposium: 144/1021 - Bread for Health
Room 7 - Retiro C
Organized by: International Union of Bakers and Confectioners - UIBC
Chair:
Prof. Ángel Gil
Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.

• Bread and the mediterranean diet: a duet for the prevention of chronic diseases
Speaker:
Prof. Ángel Gil
Director Executive Committee IUNS ICN 2017. President of the Iberomerican Nutrition Foundation (FINUT). Full Professor at the Department of Biochemistry and Molecular Biology II. Institute of Nutrition and Food Technology. University of Granada. Spain.

• Gluten introduction and the risk of coeliac disease
Speaker:
Dr. Hugo Da Costa Ribeiro
Associate Professor of Pediatrics. Chief. Division of Pediatric Nutrology. General Coordinator of Fima Lifshitz Research Unit. Pediatric Nutrition Research Unit. Federal University of Bahia. Brazil.
• Potentially health promoting phytochemicals of the benzoxazinoid group are abundant in cereal grains and food products
Speaker:
Prof. Inge Fomsgaard
Associate Professor. Natural Product Chemistry and Environmental Chemistry. Dept. of Agroecology. Faculty of Science and Technology. Aarhus University. Denmark.

17.00 - 19.00 h.
Symposium: 144/1027 - Nutrients and Beyond Nutrients: Social, cultural, and environmental drivers of food choices globally
Room 8 - Retiro B
Organized by: General Mills Bell Institute of Health, Nutrition & Food Safety

• Introductory Remarks
Chair:
Dr. Maha Tahiri
Vice President. Chief Health & Wellness Officer. General Mills Bell Institute of Health, Nutrition & Food Safety. USA.

• When is choice an option?
Speaker:
Prof. Claude Fischler
National Center for Scientific Research (CNRS) & Director of the Interdisciplinary Institute of Contemporary Anthropology. France.

• Taste rules for kids
Speaker:
Prof. Jennifer Orlet Fisher
Center for Obesity Research and Education & Professor of Social and Behavioral Sciences. Temple University. USA.

• Cost and convenience in food choice
Speaker:
Prof. Adam Drewnowski
Center for Public Health Nutrition. University of Washington. USA

17.00 - 19.00 h.
Symposium: 144/1012 - Chrononutrition: Chronobiology influence on food intake and metabolic health
Room 10 - Auditorium
Organized by: Kellogg Nutrition & Health Institute
Chair:
Dr. Rocío Campos Vega

• Chrononutrition: Is when you eat as important as what you eat?
Speaker:
Dr. Carolina Escobar Briones
Faculty of Medicine. National Autonomous University of Mexico. Mexico.
• The human circadian timing system and its influence on metabolic processes
Speaker:
Dr. Frank Scheer
Brigham & Women's Hospital. Boston. USES.

• Impact of circadian rhythm disorders on energy balance and metabolic health
Speaker:
Dr. Diego Golombek
National University of Quilmes. Argentina.

17.00 - 19.00 h.

Symposium: 144/1029 - Why Japanese cuisine is healthy?
Room 11 - Golden Horn
Organized by: Ajinomoto Co., Inc. (Japan)
Chairs:
Prof. Toshihide Nishimura
Dr. Kumiko Ninomiya

• Health Merits in Japanese cuisine
Speaker:
Prof. Toshihide Nishimura

• Synergism in umami taste which is central to Japanese cuisine ‘Washoku’
Speaker:
Dr. Kumiko Ninomiya

• Experience umami by yourselves, food tasting
Speaker:
Takehiro Ohno
Thursday, October 19

17.00 - 19.00 h.  **Symposium: 144/1072 - Young Child Formula: New Science, New Views**  
**Room 2 - Libertador C**  
Organized by: Danone Nutricia Research (The Netherlands)  
Chair:  
**Prof. Ricardo Uauy**  
• *Young Child Formula: Updates*  
Speaker:  
**Dr. Peter Davies**  
• *Iron and Vitamin D deficiency and use of young child formula in healthy young children: Evidence from the IDea study*  
Speaker:  
**Dr. Marjolijn Akkermans**  
Resident Pediatrics. Willem-Alexander Children’s Hospital. Leiden University Medical Center. The Netherlands.

17.00 - 19.00 h.  **Symposium: 144/1028 - Building a healthier society by helping people to eat well**  
**Room 3 - Libertador B**  
Organized by: Ajinomoto Co., Inc. (Japan)  
Chairs:  
**Prof. J. Alfredo Martínez**  
**Prof. Hisanori Kato**  
University of Tokyo. Japan.  
• *The 21st Century nutritional challenges that faces the food industry*  
Speaker:  
**Prof. Kraisid Tontisirin**  
Institute of Nutrition. Mahidol University. Thailand.  
• *The importance of taste to support healthy diets*  
Speaker:  
**Gary Beauchamp**  
Monell Chemical Senses Center. USA.  
• *Sports Nutrition for an active life-style*  
Speaker:  
**Prof. Yoshiharu Shimomura**  
Nagoya University. Japan.
• How the Ajinomoto Foundation approaches the challenges of nutrition security
Speaker:
Kei Kuriwaki

17.00 - 19.00 h.
Symposium: 144/172 - Phytochemicals & Non-communicable diseases
Room 4 - Libertador A
Organized by: Sunwins Commodity Sales Co., Ltd & Qingdao University (China)
• Overview of phytochemicals and non-communicable diseases
Chairs:
Prof. Duo Li
Qingdao University. China.
Dr. Cheng-Qian Lu
Beijing Sunwins Commodity Sales Co. Ltd. China.
• Effect of Celery extract on gout treatment
Speaker:
Jijun Chen
• Non-communicable disease and its prevention in China
Speaker:
Prof. Guan-Sheng Ma
Beijing University. China.
• Effect of phytochemicals on weight loss, nutrigenomic based studies
Speaker:
Dr. Tao Huang
Beijing University. China.
• Omega-3 fatty acids in the prevention and management of type 2 diabetes
Speaker:
Dr. Ju-Sheng Zheng
Cambridge University. United Kingdom.

17.00 - 19.00 h.
Symposium: 144/1015 - Micronutrients for Optimum Health
Room 5 - La Pampa
Organized by: Bayer Consumer Health (Germany)
Chair:
Dr. Emanuel Sota Latino
• Vitamins and minerals deficiencies: their role in chronic non-communicable diseases
Speaker:
Dr. Mónica Katz
Favaloro University Buenos Aires. Argentina.
• Status and nutritional gaps in Argentina: updated evidence
Speaker:
Prof. Sergio Britos
University of Buenos Aires. Argentina.
• Vitamin D and immune function
Speaker:
Prof. Adrian Gombart
Linus Pauling Institute. Oregon State University. Portland. USA.

• Critical micronutrients during pregnancy and lactation
Speaker:
Prof. Berthold Koletzko
Ludwig-Maximilians-University of Munich. Munich. Germany.

17.00 - 19.00 h.
Symposium: 144/1076 - Leche: importancia nutricional y aplicaciones salubres
Room 10 - Auditorium
Organized by: Mastellone Hnos. S.A. (Argentina)

• Leche como vehículo de nutrientes
Speaker:
B.S. Rodrigo Wladimir Valenzuela Báez
Magister en Nutrición y Alimentos mención alimentos saludables y Doctor en Nutrición y Alimentos. Universidad de Chile. Chile.

• Lácteos en la población infantil. Aspectos de su consumo en la Argentina
Speaker:
B.S. Mariana Raspini
Hospital Garrahan y Universidad de Buenos Aires. Argentina.

• Presentación de la campaña SI A LA LECHE (Federación Panamericana de Lechería/FEPALE)
Speaker:
B.S. Rafael Cornes
Coordinador de la Campaña Panamericana de Consumo de Lácteos ¡Sí a la Leche! de FEPALE

• Entrega de libros SI A LA LECHE

Nota: Este simposio se impartirá en Español con traducción simultánea / Note: This symposium will be held in Spanish with simultaneous translation
Monday, October 16
15.00 - 16.30 h. - Oral Abstract Presentations: Simultaneous sessions

Oral Presentations Track 1: Advances in Nutrition Research
Room 2 - Libertador C

Chair

Prof. Andrew M. Prentice

MRC Unit. The Gambia α-MRC International Nutrition Group. London School of Hygiene and Tropical Medicine. United Kingdom.

Abstracts:

144/350: Contribution of nutritional diversity and food perceptions to food and nutrition security among smallholder farming households in Western Kenya: A case study

Author(s): Mary Ng’endo; Shonil Bhagwat; Gudrun Keding;

144/409: Selenium in commonly consumed foods of Bangladesh

Author(s): Nazma Shaheen; Kazi Turjaun Akhter; Ishrat Nourin Khan; Nafis Md. Irfan; Abu Torab Md. Abdur Rahim;

144/414: Dietary patterns in adolescents aged 18 years: results from the 1993 Pelotas (Brazil) Birth Cohort

Author(s): Juliana dos Santos Vaz; Romina Buffarini; Ana Maria Baptista Menezes; Maria Cecília Formoso Assunção;

144/460: Specific flavonoids intake is inversely associated with breast cancer risk among Chinese women: a case-control study

Author(s): Caixia Zhang; Bo Yan; Fang-Yu Lin; Xiong-Fei Mo; Wei-Ping Luo; Yu-Feng Du;

144/498: Prognostic value of metabolites for predicting responsiveness to nutritional intervention against oxidative stress and inflammation

Author(s): You Jin Kim; Oran Kwon;

144/541: Intake of Marine-derived Omega-3 Polyunsaturated Fatty Acids and Mortality in Renal Transplant Recipients

Author(s): Camilo G. Sotomayor; António Gomes Neto; Ilse G. Pranger; Else van den Berg; Rijk O. B Gans; Sabitha S. Soedamah-Muthu; Gerjan Navis;
144/546: Changes in whole-blood polyunsaturated fatty acids and their predictors during recovery from severe acute malnutrition

Author(s): Esther Babirekere-Iriso; Charlotte Mortensen; Ezekiel Mupere; Maren Rytter; Hanifa Namusoke; Kim F. Michaelsen; André Briend; Ken Stark; Henrik Friis; Lotte Lauritzen;

144/624: Hemoglobin concentrations and anemia prevalence among Congolese children 6-59 months with sickle cell and α-thalassemia hemoglobinopathies

Author(s): Mikaela Barker; Amanda M. Henderson; Kyly C Whitfield; Angela M. Devlin; Esto Bahizire; Pierre Z. Akilimali; Pierrot L. Tugirimana; Erick Boy-Gallego; Tim J. Green; Crystal Karakochuk;

144/629: Association of PPAR gamma gene expression with dietary intake of fat and oil among non-diabetic subjects

Author(s): Emad Yuzbashian; Maryam Zarkesh; Golaleh Asghari; Behnaz Mahmoodi; Mehdi Hedayati; Azitah Zadeh-Vakili; Parvin Mirimian; Alireza Khalaj; Afsoon Daneshafroz; Mohammad Safarian;

Oral Presentations Track 2: Nutrition Through Life Course
Room 4 - Libertador A

Chair

Prof. Stefaan de Henauw


Abstracts:

144/419: An Analysis of the Relationship between 25-Hydroxy Vitamin D Levels and Musculoskeletal Health: A Population-Based Study of China’s Elderly

Author(s): Wenzhi Zhao; Ai Zhao; Ignatius Man Yau Szeto; Wei Zheng; Yumei Zhang;

144/504: Winter vitamin D3 supplementation does not increase muscle strength but modulates the IGF-axis and height in young children

Author(s): Charlotte Mortensen; Mølgaard Christian; Hauger Hanne; Kristensen Michael; Camilla T. Damsgaard;

144/557: Maternal alpha-linolenic acid intake is associated with offspring birthweight

Author(s): Melinda Phang Phang; Hasthi Dissanayake; Rowena McMullan; David Celemajer; Jon Hyett; Adrienne Gordon; Michael Skilton;

144/558: A higher-carbohydrate, lower-fat diet during pregnancy is associated with greater gestational weight gain: The GUSTO study

Author(s): Jun Shi Lai; Shu E Soh; See Ling Loy; Michael S Kramer; Lynette PC Shek; Fabian Yap; Kok Hian Tan; Keith M. Godfrey; Yap Seng Chong; Mary Chong;

144/581: Introduction of complementary foods to infants and children by age and ethnicity; national health and nutrition examination survey 2011-2014

Author(s): Elieke Demmer; Christopher Cifelli; Jenny Houchins; Victor Fulgoni III;
144/592: Food intake pattern of school going children aged 3-5 years with and without autism in urban Dhaka, Bangladesh

Author(s): Dilara Jahan; Naushin Atiya; Israt Nourin; Moffashara Sultana Ratna; Syeda Mahsina Akter; Swapan Kumar Roy;

144/608: Prenatal famine exposure and adult cognitive impairment: New evidence from China

Author(s): Ping He; Gong Chen; Xinming Song; Xiaoying Zheng;

144/614: Feasibility and impacts of integrating nutrition interventions into an existing maternal, neonatal, and child health platform in Bangladesh

Author(s): Phuong Nguyen; Sunny Kim; Tina Sanghvi; Zeba Mahmud; Lan Tran; Bachera Aktar; Kaosar Afsana; Edward Frongillo; Marie Ruel; Purnima Menon;

Oral Presentations Track 3: Public Health Nutrition and Environment
Room 1 - San Telmo

Chair

Dr. Camila Corvalán-Aguilar

Institute of Nutrition and Food Technology (INTA). University of Chile. Santiago. Chile.

Abstracts:

144/235: The association between insufficient sleep and dietary intake is age- and gender-dependent in Chinese children: a national multi-center study

Author(s): Muqing Cao; Yanna Zhu; Jin Jing; Xiuhong Li; Jingjing Liang; Meixia Dai;

144/418: How does the healthiness of the US food supply compare to international guidelines for marketing to children?

Author(s): Elizabeth Dunford; Shu Wen Ng; Lindsey Smith Taillie;

144/650: Watching TV and food consumption among Brazilian adolescents: PeNSE, 2015

Author(s): Carla Cristina Enes; Luciana Bertoldi Nucci;

144/893: Unmetabolized folic acid and its associations with global DNA methylation, oxidative stress and inflammatory markers: analysis after mandatory fortification of flour with folic acid

Author(s): Josiane Steluti; Aline M. Carvalho; Marcelo M. Rogero; Regina Fisberg; Dirce Marchioni;

144/1046: Quantitative assessment of dietary supplement intake in 77 000 French adults: impact on nutritional inadequacy, excessive intake, and extent of “at risk” practices

Author(s): Bernard Srour; Philippe Fassier; Manon Egnell; Marie-Paule Vasson; Pilar Galan; Lucie Lécuyer; Paule Latino-Martel; Serge Hercberg; Mélanie Deschasaux; Mathilde Touvier;
144/1096: Scientific Production Of The National School Food Program In Brazil: A Systematic Review

Author(s): Daniela Canella; Jhenifer Quadros; Daniel Bandoni;

144/1104: Identifying Sources and Variability of Iodine in Cow’s Milk to Ensure Adequate Dietary Iodine Intakes by the Swiss Population

Author(s): Olivia van der Reiijden; Valeria Galetti; Marie Hulmann; Max Haldimann; Patrick Schlegel; Michael Kreuzer; Joël Bérard; Elisa Manzocchi; Michael Bruce Zimmermann; Isabelle Herter-Aeberli;

144/1119: Complementary Feeding in Rural Bangladesh: Outcomes from the Improving Maternal, Neonatal and Child Survival Programme

Author(s): Mahmood Kazi Mohammed; Elora Hossain; Reshma Khanam; Kaosar Afsana;

144/1120: Nutritional knowledge scale for European adolescents using Item Response Theory

Author(s): Thanise Sabrina Souza Santos; Cristina Julian Almarcegui; Betzabeth Slater Villar; Kurt Widhalm; Marcela González-Gross; Raffaela Piccinelli; Luis A. Moreno;

Oral Presentations Track 3: Public Health Nutrition and Environment
Room 3 - Libertador B

Chair
Prof. Lluís Serra Majem
Catedrático de Medicina Preventiva y Salud Pública. Director del Instituto Universitario de Investigaciones Biomédicas y Sanitarias. Universidad de Las Palmas de Gran Canaria.

Abstracts:

144/1805: Changes in the composition of the food supply in anticipation of the implementation of the Chilean Law of Food Labeling and Advertising: an INFORMAS-based approach

Author(s): Rebecca Kanter; Marcela Reyes; Boyd Swinburn; Stefanie Vandevijvere; Camila Corvalán-Aguilar;

144/1807: Parents’ cooking skills reduce children’s consumption of ultra-processed foods

Author(s): Carla Adriano Martins; Priscila Pereira Machado; Maria Laura da Costa Louzada; Carlos Monteiro;

144/1808: Efficacy of a Locally-Produced Multiple Micronutrient-Fortified Ready-to-Use Supplementary Food (RUSF) for Children Under Two Years in Cambodia

Author(s): Bindi Borg; Daream Sok; Seema Mihrshahi; Mark Griffin; Chamnan Chhoun; Arnaud Laillou; Jacques Berger; Frank Wieringa;

144/1816: Compatibility between dimensions of sustainable diets (nutritional adequacy, exposure to food contaminant and 30% reduction of greenhouse gas emission): an analysis based on individual diet modeling

Author(s): Matthieu Maillot; Florent Vieux; Rozenn Gazan; Nicole Darmon;
144/1823: Dietary changes needed to reach nutritional adequacy and reduce greenhouse gas emissions by 30% without increasing contaminant exposure: an analysis based on individual diet modeling

Author(s): Matthieu Maillot; Florent Vieux; Nicole Darmon;

144/1856: Nutritional state, nutrient intake and physical activity in primary school children: A representative sample from Sao Paulo, Brazil

Author(s): Milana Dan; Alison Eldridge;

144/1867: Can conditional cash transfer combined with nutritional supplementation play a role in reducing child stunting in rural Mali?

Author(s): Laura Adubra; Sonia Fortin; Yves Kameli; Agnes Le Port; Niamke Ezoua Kodjo; Mathilde Savy; Yves Martin-Prével;

144/1888: MTHFR genotype and its interaction with riboflavin as determinants of blood pressure in pregnant and non-pregnant women

Author(s): Emma O'Sullivan; Kristina Pentieva; Mary Ward; Amy McAuley; Sean JJ Strain; Breige A. McNulty; Janette Walton; Albert Flynn; Helene McNulty;

144/2279: Impact of a cash transfer program targeting the “1000 days period” on low birth weight and growth retardation: a cluster randomized trial in Togo

Author(s): Justine Briaux; Sophie Carles; Yves Kameli; Sonia Fortin; Pascaline Rollet; Renaud Becquet; Yves Martin-Prével; Mathilde Savy;

Oral Presentations Track 4: Nutrition and Management of Diseases
Room 5 - La Pampa

Chair

Prof. Ian A. MacDonald


Abstracts:

144/202: Particle therapy reduces the percentage of weight loss and the incidence of nutrition-related toxicities among head and neck cancer patients

Author(s): Hongwei Wan; Zhihong Zhang; Yu Zhu; Ning Du; Ziying Wang;

144/217: Assessment of trends in nutritional causes of death in developed and developing countries

Author(s): Florence Uchendu;
144/219: The challenges and successes of salt, sugar and fat reduction program to prevent NCDs (Iran experiences)

Author(s): Majid Hajifaraji; Zahra Abdollahi;

144/279: Knowledge, Attitudes and Practices of Herbalists regarding Diarrhea Management

Author(s): Eslam Ali;

144/297: Dietary intake of fibre and gut microbiota is related to lower level of glycoprotein acetylation, a marker of low-grade inflammation, in overweight pregnant women

Author(s): Kati Mokkala; Noora Houttu; Ella Koivuniemi; Kirsi Laitinen;

144/381: Postprandial lipid responses after long-term intake of dairy products varying in fatty acid composition

Author(s): Oonagh Markey; Oonagh Markey; Dafni Vasilopoulou; Kim G. Jackson; Susan Todd; David I. Givens; Julie A. Lovegrove;

144/682: Mucosal levels of IgE+ and IgA+ cells and antibodies in protein deficient rats during Trichinella spiralis infection

Author(s): Cecilia Celeste Vila; María Priscila Saracino; Guido Hernán Falduto; Marcela Adriana Calcagno; Anabel Pallaro; Pablo César Baldi;

144/740: NMR metabolomic signatures reveal predictive plasma metabolites associated with long-term risk of developing breast cancer.

Author(s): Lucie Lécuyer; Agnès Victor Bala; Marie-Paule Vasson; Pilar Galan; Serge Hercberg; Bernard Srour; Philippine Fassier; Philippe Savarin; Mathilde Touvier;

144/768: Effect of stigmasterol isolated from the calyxes of bombax costatum on hyperlipidemic albino rats.

Author(s): Ngozi Mercy Nnam; Terhemba Iombor;

Oral Presentations Track 5: Nutrients and Nutritional Assessment
Room 9 - Retiro A

Chair

Dr. Emorn Udomkesmalee

Senior Advisor, Institute of Nutrition, Mahidol University. Thailand. Adjunct Associate Professor, Department of International Health, Johns Hopkins Bloomberg School of

Abstracts:

144/214: Women’s Empowerment and The Nutritional Status of children aged between 6-59 moths

Author(s): Given Chipili; John Msuya;
144/225: What is nutritional status? Perspective of women in Ibadan, Nigeria

**Author(s):** Akinkunmi Paul Okekunle; Melefa Moses Omotosho; Godwin Etta Odok; Onoja Matthew Akpa; Isaac Olaoluwa Akinyele;

144/272: Multifortification of bouillon in Central and West Africa: Feasibility & Impact

**Author(s):** Edwin Habeych; Nicola Galaffu; Patrick Detzel; Alberto Prieto-Patrón; Marie-Chantal Messier; Philippe Duboc;

144/296: Association between Dietary Serine Intakes and Type 2 Diabetes among Chinese Adults in Harbin, China

**Author(s):** Akinkunmi Paul Okekunle; Ma Hao; Liyan Liu; Xiaoyan Wu; Yan Pian Li; Lixin Na; Songtao Li; Rennan Feng; Ying Li; Chang Hao Sun;

144/359: Comparison of obesity status of school children by body mass index and by body composition using a stable isotope dilution technique in Nairobi City County, Kenya

**Author(s):** Dorcus Mbithe Kigaru; Cornelia Loechl; Zipporah W. Ndung’u;

144/487: Nutrition-focused Program Improves Readmission Rates of Malnourished Hospitalized Patients Regardless of Discharge Disposition

**Author(s):** Suela Sulo Sulo; Gretchen VanDerBosch; Wm. Thomas Summerfelt; Jamie Partridge; Refaat Hegazi; Krishnan Sriram;

144/670: Effects of photo-voice approach on 24-hour dietary recall accuracy among University of Ibadan undergraduate students

**Author(s):** Oluwaseun Ariyo; Fiyinfoluwa Oloyede;

144/679: Validity of bioelectrical impedance analysis in predicting adiposity among 8-11 years old Senegalese school-aged children

**Author(s):** Adam Diouf; Ousmane Diongue; Ndé Mégné; Nicole Eliane Yétaoundé Idohou-Dossou; Mbeugué Thiam; Pape Malick Sembéne; Salimata Wade;

144/757: Perception of printed and digitized photos in the quantification of the GloboDiet-Brazil food portions – results from the VALIDA study

**Author(s):** Pryscilia Gharib Nichelle; Regina Fisberg; Claudia Choma Bettega Almeida; Angelica Maurício; Lenine Maria Carmus; Vanessa Cardoso Mendes; Nadia Slimani; Dirce Marchioni; Suzi Alves Camey; Sandra Crispim;

**Oral Presentations Track 6: Functional Foods and Bioactive Compounds**

**Room 6 - Catalinas**

**Abstracts:**

144/402: Ginseng Oligopeptides Protect Rats Against Binge Drinking–Induced Liver Injury

**Author(s):** Yong Li; Rui Liu; Ruixue Mao; Meihong Xu;
144/643: 1’-Acetoxychavicol Acetate Ameliorates Age-related Spatial Memory Deterioration by Increasing Serum Ketone Body Production as a Complementary Energy Source for Neuronal Cells

**Author(s):** Akiko Kojima-Yuasa; Tomiya Yamamoto; Keisuke Yaku; Shiori Hirota; Isao Matsui-Yuasa;

144/675: Bread fortification with microencapsulated vitamin d

**Author(s):** Carla Andrea Leiva Rodriguez; Sergio Benavides; Wendy Franco; Loreto Rojas;

144/812: Glycogen improves cognitive function in human and mice.

**Author(s):** Takashi Furuyashiki; Kazuko Kato; RYO KAKUTANI; Hiroshi Kamasaka; Takashi Kuriki;

144/875: Suppression of Postprandial Hyperglycemia by Buckwheat Albumin

**Author(s):** Hitomi Kumagai; Yusuke Yamaguchi; Kazumi Ninomiya; Shigenobu Ina; Makoto Akao; Hitoshi Kumagai;


**Author(s):** Imelda Agdeppa; Marcela Saises; Mario Capanzana;

144/990: Oxidation of major catechins in green, black and oolong teas and their corresponding bioactivities

**Author(s):** Heyuan Jiang; Ulrich H. Engelhardt; Jiangyong Zhang; Weiwei Wang; Liting Shi; Wei Su;

144/992: Accurate quantitation of plasmalogen and related phospholipids by using high performance liquid chromatography coupled with mass spectrometry

**Author(s):** Yurika Otoki; Shunji Kato; Teruo Miyazawa; Kiyotaka Nakagawa;

144/1131: Maté tea and lipid profile in overweight women under caloric restriction

**Author(s):** Diego Messina; Virginia Avena; Carolina Kemnitz; Carla Corte; Jessica Mussi; Rafael Perez Elizalde;

---

**Oral Presentations Track 8: Agriculture Food Science and Safety**

**Room 7 - Retiro C**

**Chair**

**Prof. Zohar Kerem**

The Hebrew University of Jerusalem. Israel.

**Abstracts:**

144/216: Comparative growth and selectivity of Escherichia coli O157:H7 on the epicarp from fresh non-leafy vegetables and fruits

**Author(s):** Mariel Guillian Klanian; Maria José Sánchez Solís;
144/391: What is the quality of school meals in Brazil?

Author(s): Rafaella Camargo; Semiramis Domene;

144/518: Assessment of nutritional quality and safety of winged termites (Macrotermes bellicosus) enriched locally formulated complementary foods from South-West, Nigeria

Author(s): Ajayi Kayode; Adepoju Oladejo Thomas;

144/572: Greater improvements in child growth and diet quality after a holistic community development intervention than after nutrition training alone

Author(s): Laurie Miller; Neena Joshi; Mahendra Lohani; Beatrice Rogers; Shubh Mahato; Sumanta Neupane; Shibani Ghosh; Shailes Neupane; Patrick Webb;


Author(s): Paula Dominguez Salas; Amy Webb-Girard; Rebecca Jones; Luke Korir; Ilana G. Raskind; Alessandra Galie; Nils Teufel; Kathryn M. Yount; Isabelle Baltenweck;

144/1391: Sensory acceptability of iron biofortified beans and orange flesched sweet potato in Malawi

Author(s): Marijke Hummel; Elise Francina Talsma; Ati Van der Honing; Rodah Morezio Zulu; Arthur Chibwana Gama; Daniel Van Vugt; Charles Spillane;

144/1487: Rural-Urban Dynamics in Nutrient Consumption: Evidences from India

Author(s): Sendhil Ramadas; Ramasundaram Palanisamy; Sheela Kharkwal;

144/1517: Reducing Effect of Hawthorn Extract on Heterocyclic Aromatic Amines Formation in Meatball

Author(s): Mercan Merve Tengilimoğlu Metin; Mevlude Kızıl;

144/1924: Livestock rearing and depression in adolescents are associated with their mental development in the Kassena-Nankana district of Ghana

Author(s): Husein Mohammed; Frances Aboud; Gloria Otoo; Grace Marquis;

Oral Presentations Track 7: Food Culture Practices and Nutritional Education
Room 8 - Retiro B

Chair

Prof. Mark L. Wahlqvist

Emeritus Professor. Former Professor and Head of Medicine at Prince Henry’s Hospital and Monash Medical Centre. Associate Dean (International Health and Development) and Director of the Asia Pacific Health and Nutrition Centre. Australia.
Abstracts:

144/295: Local Insights into the Nutrition of Hill Tribe Children Under Five Years in Northern Thailand: Before and After an Agriculture Intervention

Author(s): Anna Roesler; Lisa Smithers; Vivienne Moore;

144/906: “Dorm Foods”: a web-based nutrition intervention with Brazilian college students

Author(s): Gabriela Milhassi Vedovato; João Gabriel Sanchez Tavares da Silva; Alanis Amorim Angotti; Luana Cardozo Silva; Fabrício Gobetti Leonardi;

144/1115: Translating focused ethnographic study findings into design and implementation of behavior change communication intervention in Kenya

Author(s): Catherine Macharia-Mutie; Christine Nyaga;

144/1224: Food Production and Consumption Diversity and its Linkages in India- An Empirical Analysis

Author(s): Venkatesh Palanisamy; Sangeetha Vellaichamy; Premlata Singh;

144/1242: Type of Nutrition Facts Panel (NFPs) on packaged food products and their comprehensibility by the consumers

Author(s): Meenu Singh; Suneeta Chandorkar;

144/1334: Breaking fresh ground on adopting sustainable diets: Assessment of using consumer participation to develop tools for bridging the intention-behaviour gap

Author(s): Leonie Fink; Angelika Ploeger; Carola Strassner;

144/1348: Assessing the value of eating patterns as markers of diet quality in a resource-constrained setting

Author(s): Corey O’Hara;

144/1564: Does peer counseling promote appropriate infant feeding and better growth in infants in urban slums in Bangladesh?

Author(s): Gulshan Ara; Mansura Khanam; Nowshin Papri; Iqbal Kabir; Michael Dibley;

144/1598: Developing a voice messaging intervention to improve nutrition in a large-scale horticulture intensification project in Senegal

Author(s): Shauna Downs; Jessica Fanzo;
Oral Presentations Iberoamerican Topics
Room 10 - Auditorium

Chair

Dr. Francisco José Mardones Santander

Professor of Public Health. Pontifical Catholic University of Chile. President of the Ibero-American Chapter of the DOHaD Society. Chile.

Abstracts:

144/240: Nutrition effect on growth in preterm infants

Author(s): María José Aguilar Cordero; Antonio Manuel Sánchez López; Raquel Rodríguez Blanque; Inmaculada García García; Norma Mur Villar; Ignacio Valverde Benítez; Juan Carlos Sánchez García; Julio Latorre García; Manuel Capel Tuñón;

144/241: Lipid profile and functional activity of bioactive peptides in human milk

Author(s): Laura Baena García; Antonio Manuel Sánchez López; Rafael Giménez Martínez; Silvia Sánchez Hernández; Jessica Pamela Noack Segovía; María Cristina Levet Hernández; María José Menor Rodríguez; Laura Cobo Viedma; Rafael Guisado Barrilao; María José Aguilar Cordero;

144/376: Early-life risk factors and their combined effects as predictors of overweight in Spanish children

Author(s): Isabel Iguacel Azorín; Laura Escartín; Juan Miguel Fernández-Alvira; Iris Iglesia Altaba; Idoia Layabén; Luis A. Moreno; María Pilar Samper; Gerardo Rodriguez Martínez;

144/474: Metabolically unhealthy obesity in Spanish prepubertal children and its association with cardiovascular risk biomarkers

Author(s): Azahara Iris Rupérez; Josune Olza; Mercedes Gil-Campos; María Rosaura Leis Trabazo; Gloria Bueno; Concepción M. Aguilera; Ángel Gil; Luis A. Moreno;

144/483: Sugary drinks consumption and abdominal obesity in adolescents: a Brazilian cohort study

Author(s): Adélia Costa Pereira De Arruda Neta; Iara Francisca Rodrigues; Juliana Araújo Telxeira; Bartira Gorgulho; José Cazuza F. Júnior; Flávia Emília Lima; Dirce Maria Marchioni;

144/514: Effect of supplementation with fish-oil omega-3 polyunsaturated fatty acids on adipokines in subjects with type 2 diabetes mellitus in Mexico.

Author(s): Roxana Valdés-Ramos; María Gorety Jacobo-Cejudo; Ana Laura Guadarrama-López; Rosa Virgen Pardo Morales; Beatriz Elina Martínez-Carrillo; Laurence S. Harbige;

144/958: Antioxidant activity and availability of polyphenols in fruits and vegetables of major consumption in the Peruvian population

Author(s): Roxana Carla Fernández Condori; Fernando Ramos-Escudero;
144/1095: Therapeutic Patient Education in type 2 Diabetes: Impact on healthy nutrition habits, empowerment and glycemic control

Author(s): María Lidia Ruiz Morosini; María Lidia Ruiz Morosini; Eva López González;

144/1150: Investigating attributes caregivers associate with complementary feeding to promote small quantity lipid-based nutrient supplement (SQ-LNS) in Colombia: Formative research for the SPOON project

Author(s): Tiffany Gust Duque; Ines Jennifer Bernal Rivas; Wendy Gonzalez; Marieke Vossenaar; Anabelle Bonvecchio Arenas; Gretel Pelto; Alison Tumilowicz;

Tuesday, October 17

15.00 - 16.30 h. - Oral Abstract Presentations: Simultaneous sessions

Oral Presentations Track 1: Advances in Nutrition Research
Room 2 - Libertador C

Chair

Prof. Noel W. Solomons
Centre for Studies of Sensory Impairment, Aging and Metabolism (CeSSIAM). Guatemala.

Abstracts:

144/631: Carbohydrate intake is associated with higher apelin gene expression in visceral and subcutaneous adipose tissues

Author(s): Emad Yuzbashian; Maryam Zarkesh; Golaleh Asghari; Behnaz Mahmoodi; Afsoon Daneshafrooz; Mehdi Hedayati; Azitah Zadeh-Vakili; Parvin Mirmiran; Kimia Tabaei; Alireza Khalaj;

144/644: Comparison between energy intake and expenditure using accelerometers in large scale disaster scenarios

Author(s): Nao Koizumi; Hitomi Ogata; Naomi Omi;

144/661: Effect of maternal micronutrient supplementation in pregnancy on the intellectual development of adolescents: long-term follow-up evaluation based on a randomized controlled trial in rural China

Author(s): Zhonghai Zhu; Lingxia Zeng; Mohamed Elhoumied; Guobin He; Wenhao Li; Min Zhang; Wenjing Li; Danyang Li; Sintayehu Tsegaye; Yue Cheng;

144/752: Habitual physical activity are associated with relative apelin gene expression in adipose tissues

Author(s): Behnaz Mahmoodi; Afsaneh Shemshaki; Maryam Zarkesh; Parvin Mirmiran; Mehdi Hedayati;

144/761: Anti-steatotic effects of docosaexaenoic acid and hydroxytyrosol in the liver of mice fed a high-fat diet: PPAR-α and Nrf2 up-regulation, and of SREBP-1c and NF-κB down-regulation

Author(s): Rodrigo Wladimir Valenzuela Báez; Francisca Echeverria; Sandra Anakaren Soto Alarcón; Paula Orellana; Miguel Ángel Rincón-Cervera; Romina Vargas; Alfonso Valenzuela; Luis A. Videla;
144/803: The FADS genetic variants, fish intake and long term weight change: results from the Singapore Chinese Health Study

**Author(s):** Tao Huang; Woon Puay Koh;

144/866: Structural Information Elucidation of a New Metmyoglobin Reductase from Porcine Myocardium

**Author(s):** Bangquan Jin; Yadong Li; Yu Tang;

144/889: Handbook for conducting clinical trials with dietary supplements of natural origin

**Author(s):** Zuleika Casamayor Laime; Raquel Castanedo Valdés; Adalberto Adalberto;

144/1225: Calcium-Iron interaction: A New Approach About The Expression Of Genes And Proteins Involved In Non- Heme Iron Absorption In Small Intestine

**Author(s):** Julián Herrera Mejía; Julián Herrera Mejía; WILDEMAN ZAPATA; Vanessa Corrales-Agudelo; MANUEL OLIVARES GROHNERT; Diego Galtan-Cherry;

**Oral Presentations Track 2: Nutrition Through Life Course**

**Room 4 - Libertador A**

**Chair**

**Prof. Helmut Heseker**

_Treasurer of the International Union for Nutritional Sciences (IUNS). University of Paderborn. Germany._

**Abstracts:**

144/660: A Program Impact Pathways Mediation Analysis of a Multi-sectoral Nutrition Program in Nepal

**Author(s):** Jowel Choufani; Andrew Kennedy; Kenda Cunningham;

144/696: The role of dairy for the management of muscle mass and function in people aged 50+ years: A systematic review and meta-analysis

**Author(s):** Tom Wycherley; Malcolm Riley; Welma Stonehouse; Pennie Taylor; Grant Brinkworth; Natalie Luscombe-Marsh;

144/706: Drivers of Nepal’s success in reducing the prevalence of undernutrition since the mid-1990s: variation by agro-ecological zone

**Author(s):** Kenda Cunningham; Akriti Singh; Pooja Pandey Rana; Chandni Karmacharya; Derek Headey;

144/725: Maternal cotton-picking during pregnancy is associated with maternal and early infancy nutritional status in rural Pakistan.

**Author(s):** Rebecca Pradeilles; Elizabeth Allen; Haris Gazdar; Ayesha Mysorewala; Sidra Mazhar; Alan Dangour; Elaine Ferguson;
144/1165: Food access and dietary indicators associated with depression in women of reproductive age in Sylhet, Bangladesh

Author(s): Thalia Sparling; Jillian Waid; Amanda Wendt; Sabine Gabrysch;

144/1194: High-protein exposure during gestation – Consequences on food preferences and health in adult rat offspring in self-selection models

Author(s): Gabrielle Carlin; Catherine Chaumontet; Nicolas Darcel; François Blachier; Andrea Kodde; Annemarie Oosting; Daniel Tomé; Anne-Marie Davila;

144/1198: Relation between diet, nutritional status, and stimulation and child development: a path analysis

Author(s): Leila Larson; Patricia Bauer; Reynaldo Martorell;

144/1325: Pre- and Post-natal Lipid-Based Nutrient Supplements and Cognitive, Socioemotional and Motor Function in Preschool-aged Children in Ghana

Author(s): Maku Eugenia Ocansey; Elizabeth Prado; Rebecca R. Young; Seth Adu-Afarwuah; Sika Kumordzie; Harriet Okronipa; Brietta Oaks; Kathryn G. Dewey;

144/1699: Dietary patterns and changes in frailty status - The Rotterdam Study

Author(s): Josie Schoufour; Sandra de Haas; Ester de Jonge; Trudy Voortman; Jolien Steenweg-de Graaff; Jessica Kiefte-de Jong; Oscar Franco; Arfan Ikram; Josie Schoufour;

Oral Presentations Track 3: Public Health Nutrition and Environment
Room 1 - San Telmo

Chair

Prof. Ricardo Uauy


Abstracts:

144/1174: Association of dietary intake of polyunsaturated fatty acids and mortality: a Sino-American national joint study of CHNS and NHANES

Author(s): Jingjing Jiao; Pan Zhuang; Wenqiao Wang; Jun Wang;

144/1199: Changes in anaemia prevalence and programmatic coverage among children aged 6 to 59 months in Karamoja between 2006 and 2016

Author(s): Alex Mokori; Alex Mokori; Rebecca Kwagala; Gracious Ahumuza;

144/1205: Impact of community health clubs on child diarrhoea, nutritional status, and water quality in western Rwanda: cluster-randomised controlled trial

Author(s): Sheela Sinharoy; Wolf-Peter Schmidt; Ronald Wendt; Leodomir Mfura; Erin Crossett; Karen A. Grépin; William Jack; Bernard Ngabo Rwabugiri; James Habyarimana; Thomas Clasen;
144/1395: Does context influence Brazilian workers’ Body Mass Index? Results from the ELSA-Brasil study baseline

**Author(s):** Paulo Cesar Pereira de Castro Junior; Aline Araújo Nobre; Inês Rugani Ribeiro de Castro; Dora Chor; Rosane Härter Griep; Letícia de Oliveira Cardoso;

144/1492: Nordic diet, Mediterranean diet, and the risk of chronic diseases: the EPIC-Potsdam Study

**Author(s):** Cecilia Galbete Ciaurriz; Janine Kröger; Franziska Jannasch; Lukas Schwingshackl; Carolina Schwedhelm; Khalid Iqbal; Cornelia Weikert; Heiner Boeing; Matthias Schulze;

144/1554: The contribution of micronutrient deficiencies to anemia and red blood cell (RBC) folate insufficiency among non-pregnant women of childbearing-age (WCBA) in Belize

**Author(s):** Jorge Rosenthal; CJ Alverson; Michael Cannon; Natalia Largaespada;

144/1595: Implementing Food-Based Dietary Guidelines to guide policies, programmes and nutrition education

**Author(s):** Ramani Wijesinha Bettoni; Ashraf Khosravi; Yenory Hernandez-Garbanzo; Jane Sherman; Melissa Vargas; Ana Islas Ramos;

144/1647: Serum pentadecanoic acid, a biomarker of dairy fat intake, is associated with lower risk of incident cardiovascular disease and all-cause mortality in Swedish men and women

**Author(s):** Matti Marklund; Karin Leander; Max Vikström; Federica Laguzzi; Bruna Gigante; Per Sjögren; Tommy Cederholm; Ulf de Faire; Mai-Lis Hellénius; Ulf Risérus;

144/1665: The differences of lipid profiles between the only children and non-only children: A national survey in China

**Author(s):** Bingjie Ma; Lizi Lin; Jin Jing; Li Cai;

**Oral Presentations Track 3: Public Health Nutrition and Environment**

**Room 3 - Libertador B**

**Chair**

**Prof. Benjamin Caballero**

*Bloomberg School of Public Health. Johns Hopkins University. Maryland. USA.*

**Abstracts:**

144/2293: Can UNICEF’s Community Infant and Young Child Feeding Counselling Package be successful at scale? Results from a large-scale evaluation in Nigeria

**Author(s):** Sascha Lamstein; Susan , MPH, SPRING Project Adeyemi; Emily Stammer; Peggy Koniz-Booher; Christine Kaligirwa; Chris Osa Isokpunwu; France Begin; Babajide Adebiyi; Rafael Perez-Escamilla;

144/2305: Level of implementation of best practice policies for creating healthy food environments: an assessment by independent (academia, civil society and legislators), government, and private sector actors
Author(s): Karina Sánchez-Bazán; Claudia Nieto Orozco; Estefanía Rodríguez-Martínez; María Lizbeth Tolentino Mayo; Stefanie Vandevijvere; Simon Barquera;

144/2311: Reliability of Hemocue® on the anemia diagnostic in under five years old children

Author(s): Inês Rugani Ribeiro de Castro; Alessandra Pereira; Ana Carolina Feldenheimer; Milena Moraes;

144/2321: Fruit and vegetable consumption in eight Latin-American countries: results from ELANS study

Author(s): Lilia Yadira Cortés Sanabria; Agatha Nogueira Previdelli; Attilio Rigotti; Irina Kovalskys; Viviana Beatriz Guajardo; Georgina Gómez Salas;

144/2339: Addressing dietary diversity by scaling up multi-sectoral integrated nutrition interventions in Africa

Author(s): Altrena Mukuria; Tim Williams; Lidan Du; Sara Hogan; Edward Bonku; Bob de Wolf; Babajide Adebisi; Robert Mwadime;

144/2353: Lactation Management Center Facilitated by the Bangladesh Breastfeeding Foundation: an Attempt with Prudential Outcome

Author(s): Swapan Kumar Roy; Most Khurshid Jahan; Ferdous Ara; Shampa Halder;

144/2367: Anemia in women and children in Uttar Pradesh, India: the contribution of nutritional, environmental, infectious, genetic, and underlying social determinants

Author(s): Leila Larson; Tinku Thomas; Anura Vishwanath Kurpad; Reynaldo Martorell; Hoddinott John; Sumathi Swaminathan; Lynnette M. Neufeld;

144/2370: Increasing waist circumference of Indian school children: Where should the action be?

Author(s): Tinku Thomas; Rebecca Kuriyan Raj; Anura Vishwanath Kurpad; S.V. Subramanian;

144/2371: Role of folate and the metabolically related B-vitamins in brain health in older adults: The TUDA Study

Author(s): Katie Moore; Catherine Hughes; Leane Hoey; Mary Ward; Kirsty Porter; Sean JJ Strain; Anne Molloy; Conal Cunningham; Kristina Pentieva; Helene McNulty;

Oral Presentations Track 4: Nutrition and Management of Diseases
Room 5 - La Pampa

Chair

Prof. Paulo Giorelli

MD. Ms. International Colleges for the Advancement of Nutrology (ICAN). Brazil.

Abstracts:

144/868: Blue mussel (Mytilus Edulis) intake decreases disease activity (DAS-28 CRP) in female patients with Rheumatoid Arthritis: results from a randomized cross-over dietary intervention

Author(s): Helen Lindqvist; Inger Gjertsson; Tove Eneljung; Anna Winkvist;
144/1043: Tenomodulin genetic variants on the X chromosome are associated with childhood obesity

**Author(s):** Augusto Anguita-Ruiz; Josune Olza; Azahara Iris Rupérez; Rocío Vázquez-Cobela; Mercedes Gil-Campos; Luis A. Moreno; Ángel Gil; Gloria Bueno; Maria Rosaura Leis Trabazo; Concepción M. Aguilera;

144/1044: Functional Biomarkers of Vitamin B6 Deficiency and Mortality in Renal Transplant Recipients

**Author(s):** Isidor Minovic; Anna van der Veen; Martijn van Faassen; Else van den Berg; Jenny Kootstra-Ros; Johanna Geleijnse; Manfred Eggersdorfer; Gerjan Navis; Ido Kema; Stephan Bakker;

144/1055: Effects on diet intake from the Healthy Start primary intervention

**Author(s):** Jeanett Friis Rohde; Sofus Christian Larsen; Lars Ängquist; Nanna Julie Olsen; Maria Stougaard; Erik Lykke Mortensen; Berit Lillenthal Heitmann;

144/1072: Fasting and restrictive diet to lose weight among cancer survivors: profiles, sources of nutritional information, knowledges and opinions: results from the NutriNet-Santé cohort

**Author(s):** Philippine Fassier; Bernard Srour; Laurent Zelek; Marina Touillaud; Patrice Bachman; Patrice Cohen; Bruno Raynard; Lucie Lécuyer; Paule Latino-Martel; Mathilde Touvier;

144/1088: Rehabilitation of infants under-6 months old with severe acute malnutrition: a randomized, clinical trial of three recovery diets: Infant formula, F-100 diluted and F-100

**Author(s):** M Munirul Islam; Sayeeda Huq; Md Iqbal Hossain; Tahmeed Ahmed;

144/1177: Genetic Polymorphism of PPAR Gamma modified the effects of metformin on BMI z-score in obese children

**Author(s):** Belén Pastor-Villaescusa; Augusto Anguita-Ruiz; María Dolores Cañete; Raúl Hoyos; José Maldonado; Gloria Bueno; Maria Rosaura Leis Trabazo; Ángel Gil; Ramón Cañete; Concepción M. Aguilera;

144/1269: Overweight/obesity and gastrointestinal symptoms in chilean celiac patients at the time of the diagnosis.

**Author(s):** Alejandra Parada; Constanza Méndez; Carolina Aguirre-Polanco;

144/1593: Dietary Approach to Stop Hypertension (DASH) diet is associated with a lower risk of renal function loss and all-cause mortality in renal transplant recipients

**Author(s):** Maryse Osté; António Gomes Neto; Eva Corpeleijn; Rijk O. B Gans; Else van den Berg; Sabita S Soedamah-Muthu; Douwe Postmus; Daan Kromhout; Gerjan Navis; Stephan Bakker;
Oral Presentations Track 5: Nutrients and Nutritional Assessment
Room 9 - Retiro A

Chair

Prof. Roxana Valdés-Ramos

Faculty of Medicine. UAEM. Toluca. Mexico.

Abstracts:

144/999: Development of Chinese Dietary Index for Preventing Non-communicable Chronic Diseases and its relationship with underlying risk of major chronic diseases

Author(s): Xiaoming Su; Ruonan Duan; Yanbo Zhang; Weijia Lu; Mingzhe Yang; Hongmei Xue; Yan Liu; Guo Cheng;

144/1022: Nutritional status of below 3 years children and Infant and Young Child feeding practices in India-Findings of National Nutrition Monitoring Bureau (NNMB) Survey

Author(s): Meshram Indrapal; Nagalla Balakrishna; HariKumar R; Mallikharjun Rao K; Arlappa N; AvulajjMEEZ4 Laxmaiah;

144/1031: Acceptability and efficacy of ready-to-use-therapeutic-food using soy protein isolate in under-5 children suffering from severe acute malnutrition in Bangladesh: a double blind randomized intervention

Author(s): Md Iqbal Hossain; Sayeeda Huq; M Munirul Islam; Tahmeed Ahmed;

144/1078: Reported dietary intake and food sources of zinc, selenium, and vitamins A, E and C in the Spanish population: findings from the ANIBES Study

Author(s): Josune Olza; Javier Aranceta Bartrina; Marcela González-Gross; Rosa M Ortega; Lluís Serra-Majem; Gregorio Varela-Moreiras; Ángel Gil;

144/1371: DIET QUALITY INDEX ASSOCIATED WITH DIGITAL FOOD GUIDE – 2017: UPDATE AND VALIDATION

Author(s): Semiramis Domene; Simone Caivano;

144/1416: Prevalence of iron deficiency anemia in non-pregnant women of reproductive age living in Kuala Lumpur, Malaysia

Author(s): Abeer Aljaadi; Ru En How; Su Peng Loh; Shannon Hunt; Crystal Karakochuk; Susan I Barr; Angela Devlin; Geok Lin Khor; Tim J. Green;

144/1520: New middle European reference values for dietary protein intake in the elderly

Author(s): Peter Stehle; Helmut Oberritter; Margrit Richter;

144/1563: Impact of micronutrient powders combined with malaria chemoprevention on anemia, malaria and cognitive development: a cluster-randomized study in Malian children

Author(s): Niele Hawa Diarra; Natalie Roschnik; Sian Clarke; Moussa Sacko; Yahia Dicko; Hans Verhoef; Renion Saye; Sham Lal; Lauren Pisani; Michael Boivin;
144/1636: A novel 129I tracer method for the assessment of iodine fractional absorption and thyroidal uptake in humans

**Author(s):** Valeria Galetti; Olivia van der Reijden; Andrea Mannhart; Adam Krzystek; Christophe Zeder; Maria Andersson; Isabelle Herter-Aeberli; Michael Bruce Zimmermann;

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**Oral Presentations Track 6: Functional Foods and Bioactive Compounds**

**Room 6 - Catalinas**

**Chair**

**Dr. Vishweshwaraiah Prakash**

_Distinguished Scientist of CSIR-INDIA. Vice President of IUNS, India._

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**Abstracts:**

144/1259: Iron and zinc concentration in wheat cultivars from the South Brazilian recommended list

**Author(s):** Pedro Luiz Scheeren; José Luiz Viana de Carvalho; Marilia R Nutti; Eduardo Caierão; Ricardo Lima de Castro; Marcio Só e Silva; Martha Zavariz de Miranda;

144/1308: Potential of the polyphenol, cyanidin 3-O-glucoside, in preventing cardiovascular defects in an animal model of hypertensive heart disease

**Author(s):** Thomas Netticadan; Basma Aloud; Pema Raj; Jason McCallum; Christopher Kirby; Xavier Louis; Todd Duhamel; Jeffrey Wigle; Heather Blewett; Thomas Netticadan;

144/1327: Impact of omega-3 fatty acids in quantitative and qualitative features of lipoprotein of Brazilian smokers and non-smokers

**Author(s):** Nagila Damasceno; Nagila Damasceno;


**Author(s):** Aimilia Emilia Papakonstantinou; Theodora Gourdomichali; Ioanna Kardara;

144/1729: Regular consumption of functional oil enriched with omega 3 fatty acids from fish oil improves the body composition and the blood lipid profile in obese people.

**Author(s):** Laura M Bermejo; Samara Palma-Milla; Bricia Lopez-Plaza; Marllyn Valero-Perez; Marina Morato-Martinez; Carmen Gómez-Candela;

144/2006: Evaluating the Effect of Double Fortified Salt on Multiple Markers of Iron Status in Children and Adults: A Systematic Review and Meta-analysis

**Author(s):** Jo-Anna Baxter; Mahdis Kamali; Michelle Gaffey; Zulfiqar Bhutta;
144/2035: Effects of conjugated α-linolenic acids (CLNAs) from pomegranate and bitter gourd seed oils on inflammatory parameters in RAW 264.7 cell cultures

**Author(s):** José Augusto Gasparotto Sattler; Luciana Yoshime; Illana Louise Melo; Eliane Carvalho; Jorge Mancini-Filho;

144/2127: Title: Determination of partial content of phenolic content and antioxidant activity in chia seeds (Salvia hispanica L.)

**Author(s):** Blanca Edelia Gonzalez; Abad Arturo López Hernández; Ana Sofía Ortega Villarreal; Ariadna Berenice González Trejo;

144/2183: Effect of the stimulation with (-) epicatechin on gene expression in HUVEC cells.

**Author(s):** Maria Elizabeth Tejero; Sandra Sulser-Ponce de León; Paloma Barrera-Reyes; Estela D’Abril Ruiz-Leyja; Felipe Vadillo-Ortega;

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**Oral Presentations Track 7: Food Culture Practices and Nutritional Education**

**Room 8 - Retiro B**

**Chair**

**Prof. Malgorzata Schlegel-Zawadzka**


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**Abstracts:**

144/1764: Promoting food label information reading skills among urban adolescents in India - ‘Read-B4-U-Eat’ Study

**Author(s):** Snehasree Saha; V. Sudershan Rao; VishnuVardahana Rao; M SubbaRao Gavaravarapu;

144/1793: Dietary Adaptation and Attitude To Local Dishes Among Non-Igbo Indigenes Working In Banks And Residing In Two Commercial Cities In Abia State. Nigeria

**Author(s):** Charles Chiaka Nkwoala; Olachi Pleasure Mark; Elochukwu Stanley Okwarachukwu;

144/2014: Nutrition status and feeding practices among orphaned children in Mexico

**Author(s):** Claudia Nieto Orozco; Ana Gabriela Maafs Rodríguez;

144/2159: Title: Stressors and coping strategies of infant and young child feeding practices in Rwanda: perceptions of mothers, fathers, grandmothers and community health workers

**Author(s):** Jeanine Ahishakiye; Laura Bouwman; Ingeborg Brouwer; Eric Matsiko; Maria Koelen;

144/2174: Community video: An adaptable and effective tool for nutrition social and behavior change

**Author(s):** Sarah Cunningham; Kristina Granger; Peggy Koniz-Booher; Philip Moses;
Oral Presentations Track 8: Agriculture, Food Science and Safety
Room 7 - Retiro C
Chair

Prof. Zohar Kerem
The Hebrew University of Jerusalem. Israel.

Abstracts:

144/1582: Crop production and livestock production diversity are positively associated with dietary diversity in rural Ugandan women and children aged 6--59months

Author(s): Shibani Ghosh; Lichen Liang; Nassul Kabunga; Edgar Agaba; Jeffrey Griffiths; Christopher Duggan; Bernard Bashaasha; Patrick Webb;

144/1688: Use of a systems-based approach to improve diets and sustainability of food production

Author(s): Gina Kennedy; Jessica E Raneri; Celine TERMOTE; Verena Nowak; Roseline Remans; Jeroen Groot; Shakuntala Thilsted;

144/1759: A hybrid approach: merging agriculture and health-based formative research tools to inform nutrition behavior change interventions among mothers and young children in Sierra Leone

Author(s): Philip Moses; Victor Pinga; Kristina Granger; Hamid Turay; Jenny Pietropaoli; Heather Forrester; Andrew Cunningham;
144/1814: Compatibility of Nano-fibrillated Cellulose to the Physiological Homeostasis in the Gastrointestinal Tract

**Author(s):** Fumito Tani; Yusuke Nakayama; Miki Yamanoue; Takenobu Ogawa; Michiyo Morishima; Kentaro Abe; Tetsuya Masuda; Takamitsu Tsukahara; Eisaku Kondo; Hiroyuki Yano;

144/2101: Effect of blanching, drying and storage on the functional and microbial analysis of dehydrated carrot.

**Author(s):** Adefisola Adepeju; Olufunmilola Abiodun; Janet Alapa;

144/2122: Advantages of sugar reduction with blends versus individual steviol glycosides

**Author(s):** Marcia Petit Petit; Priscilla Samuel;

144/2256: Exposure biomarkers of acrylamide and glycidamide hemoglobin adducts and all-cause and cardiovascular mortality in NHANES 2003-2006

**Author(s):** Yu Zhang; Jun Wang; Jingjing Jiao; Mengmeng Huang;

144/2359: Does local food availability support implementation of food-based dietary recommendations in northern Ghana?

**Author(s):** Ilse de Jager; Ken Giller; Ingeborg Brouwer;

**Oral Presentations Iberoamerican Topics**

**Room 10 - Auditorium**

**Chair**

**Prof. Nelly Mercedes Zavaleta-Pimentel**

*National Center of Food and Nutrition at NIH/MOH. Lima, Peru.*

**Abstracts:**

144/1186: Intake of ultra-processed foods in UK according to socioeconomic and demographic characteristics (2008–12)

**Author(s):** Fernanda Rauber; Maria Laura da Costa Louzada; Euridice Martinez Steele; Christopher Millett; Carlos Monteiro; Renata Levy;

144/1228: Anemia and use of iron supplementation in children living in social vulnerable cities in the South Region of Brazil

**Author(s):** Débora Leticia Frizzi Silva; Regina Maria Ferreira Lang; Julia Dubois Moreira; Camila Dallazen; Sara Araújo da Silva; Vivian Siqueira Santos Conçalves; Eduardo Augusto Fernandes Nilson; Doroteia Höfelmann; Márcia Regina Vítolo; Sandra Crispim;

144/1238: Application of a common formative research protocol to develop strategies for behavior change: The SPOON project in Colombia, Guatemala and Mexico

**Author(s):** Anabelle Bonvecchio Arenas; Wendy Gonzalez; Tiffany Gust Duque; Ines Jennifer Bernal Rivas; Rosario Garcia-Meza; Rocio Alvarado; Marieke Vossenaar; Lynnette M. Neufeld; Gretel Pelto; Alison Tumilowicz;
144/1322: Presence of phytosterols in bee pollen from eucalyptus sp.: identification and evaluation of the impact of the collection period and geolocation

**Author(s):** José Augusto Gasparotto Sattler; Illana Louise Pereira de Melo; Giovanna Cavanha Corsi; Luciana Tedesco Yoshime; Jorge Mancini-Filho; Ligia Bicudo de Almeida-Muradian;

144/1822: A novel approach to analyse the relationship between physical fitness and biomarkers in older adults

**Author(s):** Raquel Aparicio Ugarriza; Olga López Torres; Ángel Enrique Díaz; María del Mar Bibiloni; Alicia Julibert; Gonzalo Palacios; Josep Antoni Tur; Marcela González-Gross;

144/1842: Role of microRNAs miR-155 and let-7b on inflammation in THP-1 cells: effects of pro- and anti-inflammatory fatty acids

**Author(s):** Jose Luiz Marques Rocha; Marcos García-Lacarte; Mírian Samblas Garcia; Josefina Bressan; J. Alfredo Martínez; Fermín I Milagro;

144/1858: Impact of a digital Facebook campaign on the purchase and consumption of food in Mexican families with children under 12 years: a social marketing strategy

**Author(s):** Anahi Anzo; Petra Klassen; Javier Luna-Carrasco; Jimena Monroy-Gómez;

144/1954: Docohexaenoic acid improves the reduced umbilical vein relaxation observed in the offspring of pregnancies with maternal obesity

**Author(s):** Marcelo Farias; Roberto Villalobos-Labra; Sandra Solari; Carolina Aguirre-Polanco; Bárbara Samith; María José Rojas;

144/2047: Veganism, vegetarianism and bone mineral density: a systematic review and meta-analysis.

**Author(s):** Isabel Iguacel Azorín; María Luis Miguel-Berges; Alejandro Gómez-Brutón; Luis A. Moreno; Cristina Julian Almarcegui;

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**Oral Presentations Miscellaneous Tracks II**

**Room 13 – Águila**

**Abstracts:**

144/1282: Postprandial blood glucose, insulin and gastrointestinal hormone response to starchy foods; relevance for type 2 diabetes

**Author(s):** Coby Eelderink; Marion G. Priebe; Roel Vonk;

144/1466: Inhibitory Effect of Artichoke Extract on Heterocyclic Aromatic Amines Formation in Chicken Breast Meat

**Author(s):** Mercan Merve Tengilimoglu Metin; Mevlude Kızıl;
144/1468: Maternal factors associated with child nutrition in rice-based farm households in Central Luzon, Philippines

**Author(s):** Riza Abilgos-Ramos; Josefina Ballesteros; Cheryll Launii

144/1625: The effects of the Danish tax on saturated fat on nutrient intake and modelled health outcomes for different socio-demographic groups: An econometric and comparative risk assessment evaluation

**Author(s):** Sinne Smed; Jørgen Dejgård Jensen;

144/1660: Interrelationships between fatty acid composition in plasma cholesterol esters and phospholipids in men and women - A pooled analysis

**Author(s):** Matti Marklund; Ronnie Pingel; Fredrik Rosqvist; Anna Karin Lindroos; Jan Eriksson; Bengt Vessby; Jan Oscarsson; Lars Lind; Ulf Risérus;

144/1750: Feeding practices and nutritional status of 6-23 months old children at Demba Gofa and Geze Gofa Woredas, Gamo Gofa Zone, Ethiopia.

**Author(s):** Tafese Bosha Borko; Tigist Markos; Desalegn Kuche Goa; Tsehai Assefa; Tadese Fikre; Tesfaye Haluu; Menen Zegeye;

144/1855: Nutrition education practices in health teachers from Shanghai K-12 schools: the current situation, barriers and willingness

**Author(s):** Bo Chen; Fang Li; Ruihua Dong; Jingsi Chen; Yaqun Yuan; Qipei Liu; Gengsheng He;

144/1944: Nutrient patterns with diabetes among adult rural population in India and its associated factors socio-economic status, obesity and physical activity – a cross sectional national nutrition monitoring

**Author(s):** Avula Laxmaiah; Sreeramakrishna K; Balakrishna Nagalla; Meshram Indrapal; Arlappa Nimmathota; Harikuumar Rachakulla;

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**Wednesday, October 18**

**15.00 - 16.30 h. - Oral Abstract Presentations: Miscellaneous Tracks**

**Oral Presentations Miscellaneous Tracks**

**Room 10 - Auditorium**

Chair

**Dr. Durval Ribas Filho**

*MD. PhD. Faculdade de Medicina da Fundação Padre Albino. President of Brazilian Association of Nutrology (ABRAN). Brazil.*
Abstracts:

144/265: Exploring the potential role of breastfeeding in the recovery of acute malnutrition among infants aged below 6 months.

**Author(s):** Martha Kaeni Mwangome; James Berkley; Caroline Jones; Grainne Moloney;

144/267: Bioinformatic and cheminformatic approaches in studying bioactive peptides derived from food proteins

**Author(s):** Anna Iwaniak; Malgorzata Darewicz; Piotr Minkiewicz;

144/416: Eicosapentaenoic acid and docosahexaenoic acid have antidepressant effects with 17β-estradiol injection via regulation of a neurobiological system in ovariectomized rats

**Author(s):** Yongsoon Park; Jeongeun Choi;

144/686: Stigmasterol Serum Electrolytes Elevating Potentials in Poloxamer-407 Induced Hyperlipidemic Albino Rats

**Author(s):** Terhemba Iombor; Ngozi Mercy Nnam;

144/1034: Vitamin D supplementation associated with lifestyle intervention enhanced the loss of abdominal fat mass in obese adolescents: a double-blind randomized controlled trial (NCT02400151)

**Author(s):** Marie Josephe Amiot-Carlin; Christopher Morrissey; Agnes Vinet;

144/1147: Vitamin A and iron content in common complementary and weaning foods for children in North western Tanzania and Central Uganda.

**Author(s):** Beatrice Ekesa-Onyango; Deborah Nabuuma; Linda Pamminger; Godson Namsifu; Gina Kennedy;

144/1151: Nutritional quality of dried vegetables and vegetable soups

**Author(s):** Karin Van Het Hof; Christian Grün; Silke Basendowski; Martin Spraul; Leo van Buren; Gabi Vollmer; Rachel Newson;

**Thursday, October 19**

**15.00 - 16.30 h. - Oral Abstract Presentations: Simultaneous sessions**

**Oral Presentations Track 1: Advances in Nutrition Research**

**Room 2 - Libertador C**

Abstracts:

144/1836: Identification of blood cell transcript levels of Pomc and AgRP in the offspring of gestational calorie restricted rats as potential biomarkers of predisposition to impaired energy homeostasis control

**Author(s):** Nara Szostaczuk; Evert van Schothorst; Juana Sánchez; Teresa Priego; Melissa Bekkenkamp-Grovenstein; Jaap Keijer; Andreu Palou; Catalina Picó;
144/1843: Association between Food Insecurity and nutritional status of adult woman

**Author(s):** VENKAYYA KODAVALLA; Meshram Indrapal; Longvah T; Harriet Kuhnlein; Phrang Roy;

144/1854: Modernizing Dietary Assessment

**Author(s):** Isabel Garcia Perez; Joram M Posma; Rachel Gibson; Edward S Chambers; Jeremy K Nicholson; Elaine Holmes; Gary Frost;

144/1903: An epigenome-wide association study (EWAS) of obesity-related traits

**Author(s):** Kim Braun; Klodian Dhana; Jana Nano; Trudy Voortman; Joyce van Meurs; Andre Uitterlinden; Albert Hofman; Oscar Franco; Abbas Dehghan;

144/2110: Short term effect of early overnutrition in the transcriptome of Wistar rat hypothalamus (Rattus norvegicus).

**Author(s):** Miguel Angel Espinoza Camacho; Gerardo Sánchez-García; Carlos Javier López-Victorio; Alfredo Varela-Echavarria; Jorge Tonatiuh Ayala-Sumuano; Luis Antonio Castro-Reyes; Elena González-Zambrano; Maria Elizabeth Tejero; Enrique Hong-Chong; Laura del Bosque-Plata;

144/2299: Do measures of sweet taste intensity and hedonic liking of glucose play a role in dietary intake of sweet food?

**Author(s):** Marilize Richter; Guojiao Cao; Shakeela Jayasinghe; Rozanne Kruger; Breier Bernhard; Daniel Walsh;

144/2500: High-fat diet disrupts peripheral circadian clocks in white and brown adipose tissues

**Author(s):** Dongyang Li; Tomomi Yamazaki;

144/2673: Application of a new challenge method: Improving metabolic resilience with wholegrain wheat products

**Author(s):** Johanna H.M. Stroeve; Femke P.M. Hoevenaars; Iris de Hoogh; Diederik Esser; Sophie Schutte; Marion G. Priebe; Roel Vonk; Jan-Willem van der Kamp; Lydia Afman; Suzan Wopereis;

144/2698: In obese women, increased blood volume and reduced serum iron partially explain the higher risk for iron deficiency.

**Author(s):** Ana Carla Cepeda Lopez; Alida Melse-Boonstra; Nicole Mettler-Naef; Sandro Manuel Mueller; Marco Toigo; Michael Bruce Zimmermann; Isabelle Herter-Aeberli;

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**Oral Presentations Track 2: Nutrition Through Life Course**

**Room 4 - Libertador A**

**Chair**

**Prof. Berthold Koletzko**

*Ludwig-Maximilians-University of Munich. Munich. Germany.*
Abstracts:

144/1666: The effect of iodine supplementation in mildly iodine-deficient pregnant women on child development: a randomized controlled trial

Author(s): Sueppong Gowachirapant; Nidhi Jaiswal; Alida Melse-Boonstra; Valeria Galetti; Sara Stinca; Pattanee Winichagoon; Krishnamachari Srinivasan; Michael Bruce Zimmermann;

144/1746: Macronutrient composition of early childhood diet is related to growth and adiposity during childhood

Author(s): Trudy Voortman; Vincent Jaddoe; Oscar Franco;

144/1835: Vegetarian and vegan diets in pre-pubertal Polish children: elucidating benefits and costs in growth, metabolism and cardiovascular risk

Author(s): Desmond Malgorzata; Jakub Sobiecki; Maciej Jaworski; Janusz Ksiazyk; Mary Fewtrell; Jonathan C Wells;

144/1995: Timely counselling as a strategy to improve age appropriate infant and young child feeding (IYCF) practices among mothers from urban slums of Vadodara

Author(s): Suneeta Chandorkar; Priyanka Patil;


Author(s): Hermann Bienou Lanou; Kimberley Bouckaert; Dominique Roberfroid; Patrick Kolsteren; Seni Kouanda; Lieven Huybregts;

144/2638: Infant breastmilk intakes and mothers’ body composition and energy expenditure: a comparative study

Author(s): Eric Matsiko; Paul Hulshof; Laura Van der Velde; Marlou Floor Kenkhuis; Lisine Tuyisenge; Alida Melse-Boonstra;

144/2908: Iodine status in breast milk during the first 12 weeks postpartum in Tianjin, China

Author(s): Wei Wang; Wanqi Zhang; Yu Sun; Wen Chen; Yixin Zhang; Long Tan; Jun Shen; Zhuo Zhao;

144/2971: 10-year risk estimation for type 2 diabetes mellitus in university students in Asunción, Paraguay

Author(s): Natalia Elizabeth Gonzalez Cañete;

144/2978: Development of Multi-sectoral Nutrition Action Plan; Tanzania Experience

Author(s): Joycele Kaganda; Festo Kavishe;
Oral Presentations Track 3: Public Health Nutrition and Environment
Room 1 - San Telmo

Chair

Prof. Lynnette M. Neufeld

Director of Monitoring, Learning and Research at the Global Alliance for Improved Nutrition (GAIN). Canada.

Abstracts:

144/1668: Impact of the Farmer Nutrition School Intervention on Improved Dietary Diversity of Women: Results of a Cohort Study from the USAID SPRING Project in Bangladesh

Author(s): Aaron Hawkins; Jillian Waid; Md. Mehedi Hasan;

144/1695: Multisectoral nutrition in practice: accelerating stunting reduction through decentralized multisectoral platforms in Yorosso district, Mali

Author(s): Dia Sanou; Roger Sodjinou; Bernard Coulibaly; Bienfait Eca M’Mbakwa; Amadou Traore; Ousmane Traore; Modibo Diarra; Sidi El Moctar Touré; Noel Marie Zagre; Suzanne Gervais; David Pelletier;

144/1703: Alignment of wheat and maize flour fortification standards with WHO recommendations in countries with mandatory fortification.

Author(s): Katya Bobrek; Britt Broersen; Nancy Aburto; Aashima Garg; Mary Serdula; Filiberto Beltran Velazquez; Eugene C. Wong; Helena Pachón;

144/1728: Acceptability of a Locally-Produced Multiple Micronutrient-Fortified Ready-to-Use Supplementary Food (RUSF) for Children Under Two Years in Cambodia

Author(s): Bindi Borg; Daream Sok; Seema Mihrshahi; Mark Griffin; Chamnan Chhoun; Arnaud Laillou; Jacques Berger; Frank Wieringa;

144/1739: Implementation of a tool to evaluate policy actions and commitments of chain restaurants in Canada

Author(s): Marie-Eve Labonte; Gary Sacks; Laura Vergeer; Ella Robinson; Stefanie Vandevijere; Boyd Swinburn; Mary L’Abbé;

144/1758: The double burden of malnutrition in Colombian pregnant women

Author(s): Diego Gaitan-Charry; Efrain Vasquez; Laura Inés González-Zapata; Eliana Perez; Gustavo Cediel;

144/1761: Initial Situation Assessment on School Food and Nutrition in Africa

Author(s): Andrea Polo Galante; Josephine Kiamba; Mauricio Mireles; Mawuli Sablah; Mohamed AgBendech; Dia Sanou;

144/1767: Monitoring of the national oil and wheat flour fortification programme in Cameroon: application of a programme impact pathway framework

Author(s): Henry Mark; Jules Guintang Assiene; Hanqi Luo; Martin nankap; Amrita Pattar; David Killilea; Reina Engle-Stone;
144/1777: Dutch food-based dietary guidelines: health and sustainability combined in the Wheel of Five

**Author(s):** Elisabeth Brink; Astrid Postma-Smeets; Annette Stafleu; Danielle Wolvers; Corné Van Dooren; Caroline Van Rossum; Marjolein Geurts; Ido Toxopeus; Mirjam Van de Kamp; Marga Ocke;

**Oral Presentations Track 3: Public Health Nutrition and Environment**

**Room 3 - Libertador B**

**Abstracts:**

144/2372: Protein intake and the development of type 2 diabetes

**Author(s):** Trudy Voortman; Zhangling Chen; Oscar Franco; Trudy Voortman;

144/2377: Multisectoral anemia platform strengthening: Lessons learned in Sierra Leone and Uganda

**Author(s):** Danya Sarkar; Teemar Fisseha; Hillary Murphy; Mary Hodges; Nancy Adero; Sorrel Namaste;

144/2393: Incorporating Fresh Foods in daily meal in Nairobi urban slum schools efforts to increase dietary diversity.

**Author(s):** Dina Aburmishan; Lara Fossi; Judy Ndungu; Shaun Hughes; Christine Akunaye;

144/2394: Repurposing commercially unacceptable fresh foods in school meals in Nairobi urban slum primary schools

**Author(s):** Dina Aburmishan; CJ Jones; Marjon Castelijns; Lara Fossi; Shaun Hughes;

144/2408: Egg vs Organic Egg Preferences of Turkish Consumers According To Food Value Scale

**Author(s):** Elif Esra Ozturk-Duran; Ayse Seyma Erdinc; Derya Dikmen; Basma Ellahi;

144/2636: Food and beverage reformulation would make it easier to reach simultaneously all nutritional recommendations in the French adult population

**Author(s):** Matthieu Maillot; Lisa Privet; Gabriel Masset;

144/2667: Understanding barriers and facilitators for breastfeeding, donor human milk, and kangaroo mother care among mothers and influencers of preterm and sick neonates in India

**Author(s):** Kiersten Israel-Ballard; Ruchika Chugh Sachdeva; Jayashree Mondkar; Sunita Shanbhag; Minu Sinha; Aisha Khan; Maya Wankhede; Sudip Mahapatra; Rajib Dasgupta;

144/2840: Using targeted beneficiary surveys to measure nutrition outcomes in low-resource settings following intensive interventions: Examples from the SPRING Project in Bangladesh, Ghana, and Nigeria

**Author(s):** Timothy Williams; Amanda Pomeroy-Stevens; Altrena Mukuria;
Oral Presentations Track 4: Nutrition and Management of Diseases
Room 5 - La Pampa

Chair
Prof. Duo Li
Qingdao University, China.

Abstracts:

144/1780: Adherence to the 2015 Dutch dietary guidelines and its associations with mortality and incidence of non-communicable diseases in the Rotterdam Study
Author(s): Josje Schoufour; Trudy Voortman; Jessica Kiefte-de Jong; Oscar Franco; Josje Schoufour;

144/1959: Effect of cinnamon on morphology and physiology of liver in rats
Author(s): Mahpara Safdar;

144/2171: Social jet lag, obesity and non-communicable chronic diseases
Author(s): Maria Mota; Catarina Silva; Laura Balieiro; Bruna Fernandes; Jokasta Rocha; Luisa Furlan; Walid Fahmy; Cibele Crispim;

144/2586: Molecular Bases Underlying the chemo preventive Effects of Docosahexaenoic acid
Author(s): Marjan Ajami; Hamidreza Pazoki Toroudi;

144/2647: The association between mindfulness and the metabolic syndrome is modified by history of depression
Author(s): Erika Guyot; Julia Baudry; Benjamin Allès; Serge Hercberg; Pilar Galan; Emmanuelle Kesse-Guyot; Sandrine Péneau;

144/2724: Dietary intake of nutrients and compromised periodontal health: The Concord Health and Ageing Men Project.
Author(s): Kate Milledge; Robert Cumming; Frederick Wright; Vasikaran Naganathan; Fiona Blyth; David Le Cousteur; Vasant Hirani;

144/2806: Improving the management of severe acute malnutrition among infants and children through capacity building: findings from an evaluation study with Malnutrition eLearning
Author(s): Sunhea Choi; Ho-Ming Yuen; Reginald Adjetey Annan; Michele Monroy Valle; Andrew Pulman; Nana Esi Aduku; Samuel Kyei-boateng; Trevor Pickup;

144/3017: Effects of biotin status on glycemic control in rats
Author(s): Zhu Wang; Xuesong Xiang; Jiuling Wei; Xuesong Zhang;
Oral Presentations Track 5: Nutrients and Nutritional Assessment
Room 9 - Retiro A

Abstracts:

144/1735: Zinc intakes and dietary sources in an Irish adult population.
Author(s): Yvonne Lenighan; Anne P. Nugent; Janette Walton; Albert Flynn; Helen Roche; Breige A. McNulty;

144/1740: Phytic acid content determines the iron bioavailability from wheat genotypes
Author(s): Yvette Wilda Jyrwa; Ravindranadh Palika; Ananthan R.; Raghu Pullakhandam; Thingnganing Longvah;

144/1755: Measurement of human milk intake using stable isotope in Indian rural infants from birth to 24 months: a longitudinal study
Author(s): Urmila Deshmukh; Tinku Thomas; Sumathi Swaminathan; Anura Vishwanath Kurpad;

144/1790: Estimation of protein requirements in Indian pregnant women using a whole body potassium counter (WBPC)
Author(s): Rebecca Kuriyan Raj; Saba Naqvi; Ninoshka Josephine D’Souza; Meenu Singh; Kishor Bhat; Gaurav Mendiratta; Sachdev HPS; Thomas Preston; Anura Vishwanath Kurpad;

144/2094: Maternal iron absorption and iron transfer to the fetus during pregnancy in normal-weight and overweight/obese women and the effects on infant iron status
Author(s): Nicole Ursula Stoffel; Michael Bruce Zimmermann; Christophe Zeder; Katharina Quack-Loetscher; Isabelle Herter-Aeberli;

144/2501: Retention, Iron Bioavailability and Sensory evaluation of Extruded Rice Fortified with Iron, Folic acid and Vitamin B12
Author(s): Radhika Madhari; Yvette WJ; Raghu P; Elumalai P; Swetha B; Naveen kumar B; Longvah T;

144/2768: Is energy expenditure considered in the literature when energy intake is measured? A need for a methodological consensus
Author(s): Marcela González-Gross; Raquel Aparicio Ugarriza; Sergio Calonge-Pascual; Sonia Gómez-Martínez; Alberto Garcia-Carro; Javier Sanz-Valero; J. Alfredo Martínez; Ángel Gil; Ascensión Marcos; Luis A. Moreno;

144/2887: The prevalence of malnutrition in ENRICH project sites in Bangladesh, Kenya, Myanmar, Pakistan and Tanzania
Author(s): Asrat Tolossa; Abena Thomas; Melanie Gillespie;

144/2898: Adverse effects on thyroid of Chinese children exposed to long-term iodine excess: Optimal and Safe upper intake level of iodine for 7-14-year-old children
Author(s): Wanqi Zhang; Wen Chen; Wei Wang; Cong Du; Yalan Wu; Jiancao Bian; Jun Shen; Laixiang Lin; Long Tan; Xiaoming Wang;
Oral Presentations Track 6: Functional Foods and Bioactive Compounds
Room 6 - Catalinas

Chair

Prof. Hisanori Kato

Project Professor. Organization for Interdisciplinary Research Projects. The University of Tokyo. President of the IUNS 22nd ICN 2021.

Abstracts:

144/2264: Physicochemical, Functional and Nutritional characterization of Raw Flour obtained from different Sweet potato (Ipomoea batatas) and Ñampi Dioscorea trifida

Author(s): Rosa Itzela Quintero Montenegro; Ximena Valenzuela; Alejandrino Sevilla; Dayra Rivera;

144/2330: Consumption of milk products with 100% B-casein A2 improves overall gastrointestinal tolerance but had no effect on behavior of mexican children with autism spectrum disorder

Author(s): Karina Alejandra Pedroza García; Dolores Ronquillo; Jorge Raúl Palacios Delgado; Miriam Aracely Ana-ya-Loyola; Jorge L. Rosado;

144/2476: Total polyphenol content and antioxidant capacity in juice and peel of blueberries (Vaccinium corymbosum) grown in Cañete Valley, Peru.

Author(s): Elena Elizabeth Lon Kan Prado; Edwin Antonio Macavlca Ticlayauri; Carlos Alberto Lon Kan Prado; Carlos Canchos Chipana; Jyothisa Eva-Gina Reyes Veramendi;

144/2487: Effect of deep frying on bioactive components of wheat flour products

Author(s): Jamuna Prakash; Morteza Oghbaei;

144/2509: Epigallocatechin gallate (EGCG) as a natural Bio-active component in protecting the toxicities induced by Lead and Amyloid peptide in Human brain cells

Author(s): Suresh Challa; Rajanna Ajuimeera; Neelima Ayyalasomayajula;

144/2678: Recommendation vs. reality: a global assessment of fruit and vegetable intake and variety

Author(s): Keith Randolph; Mary Murphy; Leila Barraj; Judith Spungen; Dena R Herman; Keith Randolph;

144/2691: Effect of aqueous leaves extract from Passiflora alata Curtis and Vitexin, Isoorientin in co-culture of min6/lymphocytes from NOD mice in oxidative stress and cell death

Author(s): Talita Cristina Colomeu; Talita Cristina Colomeu; Daniella De Figueiredo; Priscila De Matos Da Silva; Virginia de Campos Carvalho; Nayara Simon Gonzalez Schumacher; Debora Moitinho Abram; Luis Gustavo Romani Fernandes; Ricardo de Lima Zollner;

144/2695: Effect of aqueous extract of Passiflora alata Curtis, catechin and rutin in proliferation, apoptosis, ERK phosphorylation and AKT signaling pathway of lymphocytes (NOD mice) from co-culture with MIN6

Author(s): Daniella De Figueiredo; Daniella Figueiredo; Talita Cristina Colomeu; Priscila De Matos Da Silva; Virginia de Campos Carvalho; Nayara Simon Gonzalez Schumacher; Debora Moitinho Abram; Luis Gustavo Romani Fernandes; Ricardo de Lima Zollner;
Oral Presentations Track 7: Food Culture Practices and Nutritional Education
Room 8 - Retiro B

Chair

Prof. Rekia Belahsen

Training and Research Unit on Nutrition & Food Sciences. Chouaib Doukkali University. El Jadida, Morocco.

Abstracts:

144/2422: Determinants of adherence to micronutrient powders among children 6-11 months of age in rural Ethiopia.

Author(s): Aregash Samuel; Nindya Putri Pamungkas; Ingeborg Brouwer; Abdul Aziz Adish; Amha Kebebe; Saskia Osendarp;

144/2484: Food and Nutrition Literacy (FNLIT) is associated with dietary habits in children

Author(s): Nasrin Omidvar; Aazam Doustmohammadian; Nastaran Keshavarz Mohammadi; Maryam Amini; Morteza Abdollahi; Hassan Eini-Zinab;

144/2524: Common maternal feeding behaviors in infant feeding difficulties – responsive or coercive?

Author(s): Rachel Machado; Abykeyla Mellisse Tosatti; Gabriela Malzyner; Priscila Maximino Maximino; Cláudia de Cássia Ramos; Ana Beatriz Bozzini; Leticia Ribeiro; Attilio Rigotti;

144/2529: Food and Nutrition Literacy (FNLIT) and its predictors in elementary school children in Iran

Author(s): Aazam Doustmohammadian; Nasrin Omidvar; Nastaran Keshavarz Mohammadi; Maryam Amini; Hassan Eini-Zinab; Morteza Abdollahi; Zeinab Amirhamidi; Saeed esfandiari;

144/2541: Easier to change environments than to change behavior? Rethinking food choice dynamics increase sales of healthy snacks among young people in vocational school canteens

Author(s): Bent Egberg Mikkelsen; Annette Quinto Romani;

144/2562: Illegal commercial sales of infant formula and infant products in Rio de Janeiro City, Brazil.

Author(s): Cristiano Siqueira Boccolini; Maria Inês Couto de Oliveira; LUCILENE AFONSO BERTOLDO; Karine Borges da Silva; Gloria Priscila Nunes Rodrigues;

144/2605: Promotion of local agrobiodiversity improves diets of women and children in North West Vietnam: a cluster RCT

Author(s): Jessica E Raneri; Ky Hoang; Peter Berti; Gina Kennedy; Carl Lachat;

144/2714: Mexican food banks: From alleviating food insecurity to promoting healthy eating habits

Author(s): Ana Carla Cepeda Lopez; Angélica Quiroga Garza; Erika Delgado González; Ana Maria Vera Sayago; Eduardo Plascencia Mendoza; Ana Cristina Leyva Ramos; Sergio Antonio Banda Cambron; Almendra Ortiz-Tirado Aguilar;
144/2770: Influence of meal cultures on food and nutrition security: a case of African Indigenous Vegetables in Kenya

Author(s): Anne Musotsi; Mary Abukutsa;

**Oral Presentations Track 8: Agriculture, Food Science and Safety**
Room 7 - Retiro C

**Abstracts:**

144/2486: Effect of polishing on content and bioaccessibility of selected minerals from five rice varieties

Author(s): Jamuna Prakash; Vijayalaxmi Kamaraddi;

144/3002: Residual $\beta$-carotene and cyanide levels in gari produced from unfermented yellow cassava (Manihot esculenta Crantz) using local processing method

Author(s): Ignatius Onimawo; Victor Onimawo; Osas Alamu;

144/2600: Reorienting food systems towards improving nutrition outcomes: measuring nutritional quality of agricultural production

Author(s): Jessica Bogard;

144/2620: Comparative study of the chemical composition of pine nuts grown in six countries

Author(s): Mariane Lutz; Veronica Loewe; Ángela Zuleta;

144/2657: Operationalizing Multi-Sectoral Coordination and Collaboration Strategies for Improved Nutrition

Author(s): Heather Danton; Samantha Clark; Alyssa Klein; Lidan Du; Sarah Titus;

144/2866: Promotion of biofortified crops to improve micronutrient intake among children under five and women in child bearing age in Tanzania, Pakistan and Bangladesh

Author(s): Asrat Tolossa; Abena Thomas;

144/2967: Performance and carcass characteristics of broiler chickens fed dried cashew apple pulp in replacement for maize.

Author(s): Iyabode Kehinde Yisa; Oyebiodun Grace Longe; Oluseyi Awojulugbe; Olusegun Oshibanjo;
Oral Presentations Iberoamerican Topics
Room 10 - Auditorium

Chair

Dr. Manuel Eduardo Baldeón

*Center for Biomedical Research. School of Medicine. Universidad Tecnológica Equinoccial. Quito. Ecuador.*

Abstracts:

144/2080: Association of the FTO Fat mass and obesity – associated gene rs9939609 polymorphism with rewarding value of food and eating behavior in Chilean children

Author(s): Ana Maria Obregon Rivas; Jose Luis Santos; Macarena Valladares; Gary Goldfield;

144/2201: Expression modulation of Agtr1a and Bdkrb2 genes in hypertensive rats treated with extract of chia seeds

Author(s): Blanca Edelia Gonzalez; Gerardo Ismael Arredondo Mendoza; Francisco Javier Guzmán de la Garza; Eduardo Campos Góngora;

144/2310: Mapping the availability of Healthy Food in Buenos Aires

Author(s): Leila Yasmin Garipe; Ornella Santoruffo; María Guadalupe Papurello; Sofia Belén Chiavassa; Gabriela Goldsztejn; Natalia Pace; Diego Hernán Guinta;

144/2385: Process evaluation of the cluster randomized controlled trial ACTIVITAL- A school-based health promotion intervention

Author(s): Angelica Ochoa; Angelica Ochoa Avilés; Roosmarijn Verstraeten; Dolores Susana Andrade Tenesaca; Diana Jesús Andrade Muñoz; Patricia Liliana Ramírez Jimbo; Silvana Patricia Donoso Moscoso; Patrick Kolsteren;

144/2520: Comparison between equations to estimate energy requirement for women from Antioquia with excess weight (Colombia)

Author(s): Gloria Cecilia De Ossa Restrepo; Sandro Gómez Maquet; John Edinson Velasquez; Luis Fernando Restrepo; Daniela Rodriguez;

144/2593: Free time, recreation and its relationship with the nutritional state by body mass index, in University population

Author(s): PATRICIA HERNÁNDEZ JUAN; PATRICIA HERNÁNDEZ JUAN; Vidalma del Rosario Bezares Sarmiento; Magnolia Solís López; Juan Marcos León González; Alma Cristina Bezares Parada; María del Rocío Pascacio González;

144/2613: Food supply at children school centers, and preschoolers’ nutritional state before and after food nutrition orientation

Author(s): Vidalma del Rosario Bezares Sarmiento; José Manuel Ballinas Aquino Ballinas Aquino; Juan Marcos León González; KARINA JEANETTE Toalá Bezares; Nely Isabel Cruz Serrano; Verónica Guadalupe Coello Trujillo;

144/2696: Procedural assessment in food and nutrition education groups focusing on autonomy for food choices

Author(s): Viviane Laudelino Vieira; Bruna Zilles Borges dos Santos; Samantha Caesar de Andrade;
144/3016: Evaluation of the effect of partial substitution of treated vetch seeds flour (Vicia sativa) by wheat flour (Triticum Spp) in functional and sensory properties of bread

**Author(s):** Pedro Maldonado; Lucía Buitrón Sierra;

**Oral Presentations Miscellaneous Tracks**

**Room 13 - Águila**

**Chair**

**Prof. Jose Luis Santos**

*Chilean Society of Nutrition. Catholic University of Chile. Chile.*

**Abstracts:**

144/1993: Offspring DNA methylation changes in response to maternal folic acid supplementation in the second and third trimesters: evidence from a randomized controlled trial

**Author(s):** Aoife Caffrey; Rachelle Irwin; Helene McNulty; Colum Walsh; Diane Lees-Murdoch; Sean JJ Strain; Kristina Pentieva;

144/2116: Prenatal supplementation with small-quantity lipid-based nutrient supplements or multiple micronutrients increases urinary iodine concentration in semi-urban Ghana: A randomized controlled trial

**Author(s):** Seth Adu-Afarwuah; Anna Larrey; Harriet Okonipa; Per Ashorn; Mary Arimond; Kathryn G. Dewey;

144/2413: Utilizing digital technology for paperless data collection and real time monitoring of research projects

**Author(s):** Qazi Sadeq-ur Rahman; Tanvir Mahmudul Huda; Mohammad Masudur Rahman; Shahreen Raihana; A.K.M. Tanvir Hossain; Md. Jahiduj Jaman; Tazeen Tahsina; Sajia Islam; Shams El Arifeen; Michael Dibley;


**Author(s):** Robert Akparibo (Dr); Andrew Booth; Andrew C.K Lee;

144/2611: Effect of infection on nutritional status of infants in a cohort study of Vitamin A in western Kenya

**Author(s):** Frederick Grant; Rose Wanjala; Jan Low; Carol Levin; Donald Cole; Haile Selassie Okuku; Robert Ackatia-Armah; Amy Webb-Girard;

144/2639: Gender specific determinants of stunting among Rwandan children 6-23 months old

**Author(s):** Eric Matsiko; Alida Melse-Boonstra; Jeanine Ahishakiye; Kristine Dandanell Garn; Damien Iyakaremye; Lisine Tuyisenge; Edith J. M. Feskens;

144/2890: Effects of Genetic and Environmental Factors on Proanthocyanidins in Sea Buckthorn (Hippophaë rhamnoides)

**Author(s):** Wei Yang; Oskar Laaksonen; Heikki Kallio; Baoru Yang;
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<td>08.00 - 09.00 h</td>
<td>Touch Screen 1</td>
<td>Track 1</td>
<td>144/1064</td>
<td>Metigentity, a nutrigenetic approach guiding individual needs and preferences towards optimal and personalized nutrition</td>
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<td>An increase in 4E-BP1 level mediates to enhance triglyceride accumulation in rat liver under protein malnutrition</td>
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<td>Risk of eating disorders in patients with celiac disease.</td>
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<td>Dairy products consumption and risk of colorectal cancer incidence in an elderly Mediterranean population at high cardiovascular risk.</td>
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<td>144/1201</td>
<td>A Randomized Trial of Iron-Biofortified Beans in School Children in Mexico</td>
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<td>Muscle strength, metabolic profile, sarcopenia and sarcopenic obesity in older Cuban people. Preliminary results.</td>
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<td>144/1215</td>
<td>Food or water for sanitation: explaining regional differences in child malnutrition rates in Uganda</td>
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<td>144/1218</td>
<td>A new allometric body mass index for children and adolescents and the correlation with height and adiposity</td>
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<td>144/1257</td>
<td>Interdisciplinarity on communication of nutritional information by social media - facebook</td>
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<td>144/1302</td>
<td>Genetic polymorphisms in the AHR and ADORA2A genes are associated with coffee consumption</td>
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<td>Different isomers of tocopherol evoke dissimilar cytosolic calcium increases and antioxidant impact in living Caco-2 cells.</td>
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<td>144/1344</td>
<td>Associations between Food Intake, Perceived Exertion, sum of 6 Skinfolds and leg cross-sectional areas in Professional Argentinean Cyclists assessed between March-August 2016</td>
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<td>144/1356</td>
<td>Intermittent fasting in different periods of pregnancy: Maternal effect and metabolic programming of the insulinic hypothalamic via and obesity in the male prole</td>
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<td>144/1368</td>
<td>The relationship of nutritional status with intellectual coefficient and academic achievement in Mexican children from urban primary schools</td>
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<td>Hepatic steatosis induced by amino acid deficiency or by manipulation of the dietary amino acid composition.</td>
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<td>Monday, October 16</td>
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<td>Touch Screen 3</td>
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<td>Lysine deficiency signal selectively induces lipid accumulation in muscle and adipose tissues of rats.</td>
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<td>Effects of Dietary B vitamins Intake and Folate metabolism in the Development of Mild Cognitive Impairment and the Potential Underlying Mechanism</td>
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<td>Myokine responses to resistance exercise with different nutrient availability on a concurrent exercise day in young, healthy, physical active males.</td>
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<td>Effect of exercise stimulus-induced androgen steroidogenesis on LCFA transport proteins in skeletal muscle</td>
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<td>Carbon stable isotope ratios have potential as a biomarker for the assessment of sugars intake in New Zealand populations</td>
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<td>Effect of the PPM1K genetic variant on glucose metabolism traits in response to weight loss diets</td>
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<td>Extra-virgin olive oil or nuts consumption and DNA methylation in peripheral blood cells within the PREDIMED-Navarra trial</td>
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<td>Low folic acid intake is associated with SIK1 hypomethylation and insulin resistance in obese subjects.</td>
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<td>Elevated thyroglobulin concentrations, but no increased prevalence of thyroid function disorders in areas with chronic excessive iodine intake</td>
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<td>Track 1 144/1837 Think flexible to address nutrition research challenges</td>
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<td>Track 1 144/1884 Ghrelin and leptin serum levels and anthropometric nutritional status in relation to Helicobacter pylori genotype and gastric pathology of dyspeptic adults.</td>
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<td>Track 1 144/2022 Breastfeeding practices and challenges experienced by low-income women working in an agricultural estate in Kenya in combining work with breastfeeding and childcare</td>
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<td>Global comparison of national individual food consumption surveys as a basis for health research and integration in national health surveillance programs</td>
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<td>Comprehensive phenotypic analysis of liver hepatocyte-specific Phgdh deficient mice</td>
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<td>Association of FTO and apelin gene expression with dietary glycemic index and glycemic load among morbid obese and non-obese subjects</td>
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<td>The double burden of malnutrition (obesity-anemia) among procreative women in the oriental region of Morocco</td>
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<td>Distinctive effects of isocaloric diets with different carbohydrate to fat ratio on phenotypic flexibility: a randomized, crossover study</td>
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<td>Difference between “viscosity in physics” and viscosity used in food properties of intestinal contents</td>
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<td>Collagen v oral therapy decrease synovial inflammatory process and remodeling in experimental arthritis</td>
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<td>Determination of factors related to malnutrition in pre-surgical oncological patients</td>
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<td>The effect of Punic Acid (pomegranate seed oil) on metalloproteinase genes (MMP-1, 3) in THP-1 cells stimulated with LPS compared with steroidal and non-steroidal drugs.</td>
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<td>Community Perceptions on the new role of Traditional Birth Attendants as Birth Companions and Nutrition Advocates in Kakamega County, Kenya: A qualitative study</td>
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<td>Conversion of Pumpkin Protein Hydrolysates into Maillard Reaction Products with Improved Nutritional, Sensory and Bioactive Properties for Infants and Young Children.</td>
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<td>The association between stunting, wasting and breastfeeding, and fat-free mass and fat mass in Kenyan children aged 6 and 15 months</td>
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<td>Body composition and grip strength between older adults, institutionalized and Tai Chi Chuan practitioners in Cuba. A sarcopenia study.</td>
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<td>Gestational Protein Restriction Plus Rich-Sucrose Diet in Adulthood Promotes Affectations in Liver of Rats</td>
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<td>The effects of very-low carbohydrate diets on weight loss and hepatic lipids and gene expressions in diet-induced obese mice</td>
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<td>Do dietary patterns determine levels of vitamin B6, folate, and vitamin B12 intakes and corresponding biomarkers in European adolescents? The HELENA study.</td>
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<td>Relationship between non nutritive sweeteners intake and nutritional status.</td>
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<td>Fermentation of 13C-inulin is not affected by a single administration of different wheat bran fractions in healthy subjects</td>
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<td>144/730</td>
<td>In vitro and in vivo evaluation of the fermentability of two different wheat-derived fibre fractions</td>
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<td>Heme iron absorption and gene expression of proteins related to heme iron absorption in rat small intestine.</td>
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<td>Plasma free fatty acid concentrations in schoolchildren with and without abdominal obesity</td>
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<td>The effect of exercise-to-rest period ratio on the recuperation of stored fuel from exercise in exercise trained rats</td>
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<td>High salt intake induces adipogenesis by the modulation of ERK1/2 pathway in both adipocytes and co-culture with macrophages.</td>
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<td>Validity of Nutrient Intakes Derived from Website Dish-based Dietary Assessment</td>
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<td>Trans fat content of oil used for frying food viz varying frying temperatures and number of frying cycles</td>
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<td>Ferropenic anemia: oxidative stress and cytomolecular damage associated with ferrous sulfate preventive administration</td>
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<td>Multivariate nutritional assessment throughout sexual maturation.</td>
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<td>From starch structure to its in vivo metabolic fate: advanced imagery techniques to explain the changes in starch structure during different biscuit-making processes</td>
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<td>Biomarker of long-chain n-3 PUFA and risk of breast cancer: accumulative evidence from an updated meta-analysis of epidemiological studies</td>
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<td>Improved child care practices and nutrition through mencare fatherhood programme (mcfp) in the tea estate regions by world vision lanka</td>
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<td>Maternal diet during pregnancy and lactation: current evidence and implications for programs</td>
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<td>Can peer counsellors influence breastfeeding practices of women employed in factories? A preliminary report from Bangladesh.</td>
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<td>Dietary sources of sodium intake in adolescents from a public school in Niterói - RJ, Brazil</td>
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<td>Effect of Fathers’ Orientation on Infant and Young Child Feeding (IYCF) Practices</td>
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<td>Influence of Nutrition education on nutritional status among the children under five and pregnant and lactating mother</td>
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<td>Carbohydrates from sources from sources with a higher glycaemic index during adolescence: evening intake is relevant for risk markers of type 2 diabetes in young adulthood</td>
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<td>Glucose and insulin responses to different infant formulas and breast milk</td>
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<td>Baby Friendly Community Initiative (BFCI): From Guidelines to Implementation – Demonstrated Results from Western Kenya</td>
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<td>Feeding behaviours as risk factors for undernutrition in infants living in semi-urban communities of the Volta Region, Ghana.</td>
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<td>Changes in lean mass is correlated with changes in muscle function only in postmenopausal women who consumed higher amounts of protein during resistance training protocol</td>
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<td>Nutritional Status and Academic Performance of School-age children enrolled in two feeding programmes in Ghana</td>
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<td>Coverage of and factors associated with uptake of routine vitamin A supplementation in sub-Saharan Africa</td>
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<td>Use of ‘design thinking’ to assess participant behaviors to inform the design of a small-quantity lipid-based nutrient supplement (SQ-LNS) communication strategy in Pasto, Colombia: Formative research</td>
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<td>Inappropriate timing of introduction of complementary foods: Practices and perceptions among mothers of infants and young children in Baja Verapaz, Guatemala</td>
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<td>Toward a better understanding of adherence to micronutrient powders: generating theories to guide program design and evaluation based on a review of published results</td>
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<td>The mother-child dyad is a central factor in point-of-use fortification of complementary foods with micronutrient powders in Ethiopia and Mozambique</td>
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<td>Empowering preschoolers to become healthy habits messenger through selected communication channels: stories music dance and magic tricks.</td>
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<td>Impaired neural tube closure in mice lacking high density lipoprotein receptor SR-BI is associated with deficient vitamin E uptake and aberrant gene expression</td>
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<td>Nutrition knowledge, dietary styles, drinking behaviors, and prevalence of metabolic syndrome by gender and existence of spouse in Korean adults</td>
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<td>Association between domains of nutrition risk and hospitalisations and mortality at five years follow up among octogenarians participating in Life and Living in Advanced Age: Cohort Study New Zealand</td>
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<td>Role of preconception nutrition in offspring growth and risk of stunting across the first 1000 days in Vietnam</td>
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<td>Caregiver perspectives and factors associated with utilization of a home fortification of complementary foods program</td>
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<td>Cross-sectional and longitudinal associations between clustering of multiple lifestyle behaviors and adiposity indicators: The ELANA middle school cohort</td>
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<td>Impact of exposure to lipid-based nutrient supplements in early life on sweet taste preference of Ghanaian children aged 4-6 years: a non-inferiority study</td>
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<td>Impact of health and nutrition education on healthy lifestyle to improve nutritional status and reduce frequency of illness of elderly people in urban Dhaka.</td>
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<td>MFSD2a in Blood as Potential Biomarker of this Carrier in Placenta and Relationship to Child Development</td>
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<td>Associations between breastfeeding and breakfast consumption in adolescence</td>
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<td>Exploring the influence and transfer of Infant and Young Child Feeding practices to mothers: Formative research for the SPOON project in Colombia, Guatemala and Mexico</td>
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<td>Effects of Gestational Weight Gain, Nutrient Intake, and Passive Smoking on Low-birth-weight Delivery</td>
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<td>Breast milk fatty acids and infant executive function: a prospective study</td>
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<td>Head circumference is among the least affected anthropometric measures in infancy and at follow-up in a cohort of rural, Mam-Mayan children in the 3rd and 4th years of life.</td>
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<td>Adolescent mothers’ height and BMI growth velocity in childhood predict next generation’s anthropometrics in Ethiopia, India, Peru and Vietnam: A three-generational approach</td>
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Effect of Periconceptional Multi Micronutrient Supplementation on The Level of Total Antioxidant Status
Nutritional status of autistic and non-autistic school going children aged 3-5 years in Dhaka city
Comparative study on food preference of school going children aged 3-5 years with and without autism in Dhaka city
Diet and semen quality among healthy Polish men
Dietary patterns and pre-sarcopenia among Polish women
Characterization of Mediterranean diet pattern and their adherence in a prepuberal population of metabolically healthy obese.
Dietary diversity and adequacy of nutrients consumed by school children in Nairobi City County, Kenya
Modification of docosahexaenoic acid composition of milk from women who received DHA from a milk formula during the pregnancy and breastfeeding period.
Infant Feeding Practices Of Mothers/Caregivers And Anthropometric Indices Of Infants (0-12 Months) In Etche Local Government Area, Rivers State, Nigeria
Maternal dissatisfaction with children's body size in private schools in the Federal District, Brazil
Maternal perception of children’s nutritional status in the Federal District, Brazil
Prevalence of malnutrition and associated factors in elderly in Gualaceo town, Ecuador.
Dietary patterns and blood lipids in adolescents at 18 years: cross-sectional analysis nested in the 1993 Pelotas (Brazil) Birth Cohort
Correlation of parental economic status with lunch intake and lifestyle behaviors in preschool children in Japan
The baby-friendly hospital initiative and breastfeeding at birth in Brazil: a cross sectional study
The influence of prenatal exposure to trans-fatty acids for development of childhood leukemia
Concentrations of carotenoids and tocopherols in breast milk from urban Chinese mothers and their associations with maternal characteristics
Adherence to dietary recommendations modifies gut microbiota richness and composition during pregnancy |
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<td>Determinants of anemia amongst geriatric subjects living in high altitude regions of India</td>
<td>Track 2</td>
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<td>The relative importance of wasting as a predictor of later stunting or death</td>
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<td>Maternal characteristics associated with birth length in a sample of Argentinian women</td>
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<td>The socio-economic and geographic factors associated with ultra-processed food consumption in Colombia</td>
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<td>Does love make mothers blind? A transcontinental large pan study on mothers’ underestimation of their overweight/obese children’s weight.</td>
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<td>Development of competency scale for healthcare staff working on non-communicable disease prevention and control in Fiji</td>
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<td>Dietary-lifestyle patterns in young men: a cross-sectional study (MeDISH project).</td>
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<td>Semantics of the Sustainable Development Goals 2015-2030 for Nutrition: The connotation gained (or lost) in translation from English to Spanish</td>
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<td>Integrating nutrition services into the Maternal, Newborn, Child health and Family Planning services in rural Bangladesh: Successes and challenges</td>
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<td>Nutrition intervention making a difference: Assessment of the impact of a feeding programme on the nutritional status of pre-school children in Gauteng Province, South Africa</td>
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<td>Knowledge, attitude and practices (kap) of general practitioners and homeopaths regarding food allergy and anaphylaxis- a comparative study</td>
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<td>Changes in complementary feeding practices resulting from a community-based behavior change communication program in Vietnam: a repeated cross-sectional study</td>
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<td>Eating out: frequency of eating foods prepared away from home and associations with dietary and weight outcomes in a population-based sample from Ontario, Canada</td>
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<td>Track 3</td>
<td>Playground size and levels of physical activity in first grade children of Buenos Aires. Data from MiniSALTEN Study.</td>
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<td>Tuesday, October 17</td>
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<td>New multisectoral tools to address anemia at the national and district levels</td>
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<td>Tuesday, October 17</td>
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<td>Track 3</td>
<td>Association between household cultivation of nutrient-dense crops and maternal and child dietary diversity in selected rural communities in the Upper Manya Krobo District of Ghana</td>
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<td>Tuesday, October 17</td>
<td>09.00 - 10.00 h</td>
<td>Touch Screen 1</td>
<td>Track 3</td>
<td>Food-based dietary patterns and nutritional quality of meals in Brazil (2008-2009)</td>
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<td>Tuesday, October 17</td>
<td>09.00 - 10.00 h</td>
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<td>Track 3</td>
<td>A novel processed food classification system applied to disaggregated food codes in the Australian Food Nutrient Database 2011-13</td>
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<td>Tuesday, October 17</td>
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<td>Obesity, insulin resistance and type 2 diabetes mellitus in female adolescents, Lima – Perú</td>
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<td>Tuesday, October 17</td>
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<td>Association between altitude and malnutrition in Peruvian children under five years</td>
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<td>The Latin America and the Caribbean Interventions that fostering Nutritional Well-being: opportunities to strengthen nutrition public policies</td>
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<td>Tuesday, October 17</td>
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<td>Exploring the Food and Nutrition Security Impact of the Social Protection Policy “PROSOLI” among Elderly Beneficiaries in Dominican Republic</td>
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<td>Exclusive breastfeeding rates are higher in children born at home than children born in hospitals in northwestern highland Vietnam.</td>
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<td>Household food security, double burden of malnutrition and hidden hunger among children of migrant workers</td>
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<td>Physical Activity, Nutritional Status and Metabolic Syndrome in Adults</td>
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<td>Simulations of the impacts of biofortified crops on vitamin A intake of young children and iron intake of women of reproductive age in Cameroon</td>
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<td>Characterization of street food consumption and hygienic-sanitary perception of street food stalls in Paraguay</td>
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<td>Physical activity levels and physical environmental factors associated with sedentary behavior in Moroccan schoolchildren</td>
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<td>Characterization of the consumption of liquid beverages in inhabitants of Medellin, Colombia</td>
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<td>Comparison of the available information from Basic Food Basket (BFB) in Latin American countries</td>
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<td>Adverstising, childhood obesity, and violation of the Human Right to Adequate Food</td>
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<td>Defining an Anthropometric and Physical Activity Profile for Venezuelan Population: Preliminary Results from the Latin American Study of Nutrition and Health (ELANS)</td>
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<td>Intimate partner violence and early interruption of exclusive breastfeeding</td>
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<td>Tuesday, October 17 09.00 - 10.00 h</td>
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<td>The modelled effect of biofortified crops on nutrient adequacy of children and women in Bangladesh and Guatemala</td>
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<td>Consumer awareness and perception of sweeteners influences food and beverage decisions</td>
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<td>Fortification of the wheat flour in Morocco: change of the elementary iron by the NaFeEDTA</td>
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<td>National action plan to reduce salt, sugar and fat consumption 2017-2021</td>
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<td>Availability of pork and beef in South American countries through the period of time from 1961 to 2010</td>
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<td>Comprehensive intake assessment of trans fatty acids among the Portuguese population – results from the National Food, Nutrition and Physical Activity Survey 2015-2016</td>
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<td>Sustainable Diets in Small Island Developing States of the Western Pacific: a review</td>
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<td>Herbs and spices: nutrients, contaminants and residues</td>
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<td>Nutritional Status and food patterns of preschool age children of Panamanian indigenous communities: a cross-sectional study</td>
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<td>Exploring the supply chain of the soft drink industry in Argentina to guide health policies</td>
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<td>144/2169</td>
<td>Toxic food environment inside and around public parks in Mexico City</td>
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<td>New Chilean labelling law and school snacks: children perception</td>
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<td>144/2172</td>
<td>Influence of socio-economic level on anaemia in Errachidia children, Morocco.</td>
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<td>Added sugar intake and sources among urban Costa Rican population: results from ELANS study</td>
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<td>Prevalence of inadequate micronutrient intake among urban Costa Rican population: results from the Latin American Study of Nutrition and Health (ELANS)</td>
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<td>Nutritional status and monitoring coverage by the Food and Nutrition Surveillance System in the state of Mato Grosso do Sul, Brazil</td>
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<td>Territorial inequalities in the availability of food in the municipality of Rio de Janeiro, Brazil.</td>
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<td>Changes in household food insecurity between enrollment and exit from a blanket supplementary feeding program for children 6 – 23 months old in Burkina Faso</td>
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<td>Nutritional status of the people assisted in the primary level health services in Montevideo and inland of Uruguay.</td>
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<td>144/2434 Development and evaluation of the reliability of an instrument for assessing the university food environment</td>
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<td>144/2323 Association between affection and nutrition in infants from 0 to 12 months in Mario Correa Rengifo Hospital</td>
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<td>Title: Comparison of &quot;out of household purchased foods&quot; (OHF) in Latin American countries Basic Food Baskets (BFB).</td>
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<td>Title: Influences of maternal metabolic status on adaptive behavior and social-emotional development in their offspring at 6 and 18 months of life</td>
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<td>Factors associated to physical activity in Peruvian adolescents and adults: results from the ELANS study</td>
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<td>Bocaiuva flour (Acrocomia totai Mart.) reduces body fat and hepatic steatosis of rats submitted to a hypercaloric diet</td>
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<td>Obesity prevalence in a migrant population living in Casablanca, Morocco</td>
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<td>Wednesday, October 18</td>
<td>08.00 - 09.00 h</td>
<td>Touch Screen 3</td>
<td>Track 4 144/2037</td>
<td>The prevalence of obesity in a migrant population living in Casablanca, Morocco</td>
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<td>Wednesday, October 18</td>
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<td>Touch Screen 4</td>
<td>Track 4 144/1351</td>
<td>Impact of early enteral nutrition with immunonutrients in morbimortality in patients with traumatic brain injury in the intensive care unit of Mexico’s general hospital.</td>
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<td>Wednesday, October 18</td>
<td>08.00 - 09.00 h</td>
<td>Touch Screen 4</td>
<td>Track 4 144/1354</td>
<td>Fasting, Intermittent Fasting or Caloric Restriction as Nutritional Management of Adults with Type 2 Diabetes. A Systematic Review (Preliminary Results)</td>
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<td>Wednesday, October 18</td>
<td>08.00 - 09.00 h</td>
<td>Touch Screen 4</td>
<td>Track 4 144/1363</td>
<td>Obesity and clinical outcome of hospitalized children under two years old with lower respiratory tract infections</td>
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<td>Touch Screen 4</td>
<td>Track 4 144/1369</td>
<td>Can WHO guidelines for malnutrition reduced the mortality in children receiving nutrition rehabilitation at the hospital: clinical study in Moroccan malnourished children</td>
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<td>Track 4 144/1373</td>
<td>Cardiovascular risk in children and adolescents with cerebral palsy</td>
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<td>Wednesday, October 18</td>
<td>08.00 - 09.00 h</td>
<td>Touch Screen 4</td>
<td>Track 4 144/1379</td>
<td>Body composition of people living with HIV/AIDS with clinical diagnoses of HIV-related lipodystrophy syndrome</td>
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<td>Wednesday, October 18</td>
<td>08.00 - 09.00 h</td>
<td>Touch Screen 4</td>
<td>Track 4 144/1392</td>
<td>Relationship between Body Mass Index and Decline of Cognitive Function in Middle-aged and Elder Obese and Overweight Population</td>
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<td>08.00 - 09.00 h</td>
<td>Touch Screen 5</td>
<td>Track 4 144/1403</td>
<td>Trimethylamine N-oxide aggravates hepatic steatosis through up-regulation of bile acids synthesis and activation of endogenous hepatic farnesoid-X-receptor</td>
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<td>Touch Screen 5</td>
<td>Track 4 144/1415</td>
<td>Body composition, anthropometric measures and clinical-nutritional parameters of people living with HIV/AIDS with clinical diagnoses of HIV-associated lipodystrophy syndrome subdivided by gender.</td>
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<td>Track 4 144/2318</td>
<td>Correlation between anthropometric and body composition indicators of people living with HIV/Aids with HIV associated lipodystrophy clinic diagnoses.</td>
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<td>08.00 - 09.00 h</td>
<td>Touch Screen 5</td>
<td>Track 4 144/1431</td>
<td>Glycemic indices of standardized traditional cocoyam and corn based dishes consumed in Nsukka Local Government Area of Enugu State, Nigeria.</td>
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<td>Touch Screen 5 Track 4 144/1442</td>
<td>Effect of consuming preloads with different energy density (low vs. high) and taste quality (savoury vs. sweet) on postprandial blood glucose and energy intake</td>
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<td>Neuroprotective effects of vitamin D via the modulation of NLRP3 inflammasome activation</td>
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<td>Touch Screen 6 Track 4 144/1437</td>
<td>Body composition profiles and metabolic disease risk patterns in New Zealand women - the women's EXPLORE study.</td>
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<td>Evaluation of an intuitive eating weight management programme to support weight management patients.</td>
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<td>Effect of intravenous iron sucrose administration on level of antioxidant stress markers among moderately anemic pregnant women attending a Sub-District Hospital, Haryana</td>
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<td>Effect of water supplementation on cognitive performances and mood among male college students in Cangzhou, China</td>
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<td>Touch Screen 7 Track 4 144/1448</td>
<td>Effects of djulis (Chenopodium formosanum) on colitis-associated colon cancer in rats</td>
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<td>Touch Screen 7 Track 4 144/1454</td>
<td>Combination of Lactobacillus acidophilus and djulis reduced early lesions of colon cancer in rats.</td>
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<td>Effect of maternal weight and gestational weight gain on low grade inflammation during pregnancy</td>
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<td>Touch Screen 7 Track 4 144/1464</td>
<td>Effect of Nutrient Quality on Visceral and Subcutaneous Adipose Tissue Mass and Intrahepatic Lipid Accumulation during 12 Weeks of Energy-Restriction in Abdominal Obese Man and Women.</td>
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<td>The role of yoghurt fermented by Bifidus essensis in the prevention and treatment of obesity and related diseases</td>
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<td>Nutrition-related concerns of the primary caregiver regarding children with spastic cerebral palsy: a cross-sectional, quantitative research study</td>
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<td>Immunonutritional protease inhibitors from cereals promote liver inflammation and driven polarization of macrophages</td>
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<td>Non-Coeliac Gluten Sensitivity: The effect of a controlled gluten challenge</td>
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<td>The positional distribution of fatty acids on the glycerol backbone of triacylglycerol (TAG) molecules may affect lipid responses to dietary fats - a randomised controlled cross-over trial</td>
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<td>Dietary magnesium restriction promotes insulin resistance in rats fed a high-fat diet</td>
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<td>A Study on How to Raise the Completion Rate of</td>
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<td>Touch Screen 2</td>
<td>Track 4</td>
<td>Impact of the consumption of tamarind flour (Tamarindus indica L.) in metabolic syndrome among type 2 diabetic patients</td>
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<td>Track 4</td>
<td>Gluten-free noodles made with regional flours: content, dialyzability and potential contribution of iron calcium and zinc.</td>
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<td>Track 4</td>
<td>Nutritional status and quality of life of breast cancer patients attending a tertiary hospital in Ibadan, southwest Nigeria</td>
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<td>Touch Screen 2</td>
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<td>Appraisal of nutritional intake of kids with chronic kidney disease</td>
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| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 8 | Track: 4 | Session Number: 144/2404 | Title: What is the perception of body image in a group of adult women?

| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 8 | Track: 4 | Session Number: 144/2402 | Title: Assessment of weight loss after bariatric surgery of a sample of adolescents.

| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 8 | Track: 4 | Session Number: 144/2409 | Title: Evaluation of dietary habits influence on the acne vulgaris manifestation.

| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 8 | Track: 4 | Session Number: 144/2415 | Title: Prevalence of coronary heart disease risk factors in patients with high LDL cholesterol levels, with or without familial hypercholesterolemia diagnoses: A cross-sectional study in Rio de Janeiro.

| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 8 | Track: 4 | Session Number: 144/244 | Title: Effectiveness of a dietotherapeutic intervention on the lipids profile and the nutritional status in breast cancer women.

| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 8 | Track: 4 | Session Number: 144/2440 | Title: Lipid accumulation product: a simple and accurate index for predicting changes in serum levels of C reactive protein.

| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 9 | Track: 4 | Session Number: 144/2442 | Title: Risk of malnutrition at admission of cancer patients. Study of cases treated in one year.

| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 9 | Track: 4 | Session Number: 144/2461 | Title: Splenic interstitial fluid proteomic profile during protein malnutrition and Leishmania infantum infection.

| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 9 | Track: 4 | Session Number: 144/2492 | Title: Effect of diet on gastrointestinal symptoms in patients with irritable bowel syndrome (IBS) stratified by antigliadin (AGA) antibodies.

| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 9 | Track: 4 | Session Number: 144/2495 | Title: Establishment of hemoglobin measuring method for the prevention of sports anemia in female athletes.

| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 9 | Track: 4 | Session Number: 144/837 | Title: Establishment of hemoglobin measuring method for the prevention of sports anemia in female athletes.

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| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 9 | Track: 4 | Session Number: 144/2507 | Title: Intravenous Arginine Administration Promotes Endothelial Progenitor Cells Mobilization and Attenuates Lung Injury in Mice with Polymicrobial Sepsis.

| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 10 | Track: 4 | Session Number: 144/2510 | Title: Becoming malnourished children, one year after nutrition education in Kaya (Burkina Faso).

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| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 10 | Track: 4 | Session Number: 144/2532 | Title: Urinay sodium excretion among Ecuadorian adult population: A cross-sectional study.

| Date: Wednesday, October 18 | Time: 09.00 - 10.00 h | Location: Touch Screen 10 | Track: 4 | Session Number: 144/2561 | Title: Cardiovascular risk and ATIII goals achievement in Ecuadorian population.
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<td>Association between dietary intake and demographic and clinical aspects of Brazilian cancer patients</td>
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<td>Wednesday, October 18</td>
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<td>Big Data Methods and Pupillary Response: Cracking the code of Dark Adaptometry for vitamin A Deficiency</td>
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<td>Nutrient content of Chaya (Cnidoscolus aconitifolius): an underutilized vegetable plant</td>
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<td>Bioequivalence of Micronutrient Powders to Conventional Fortification on Serum Zinc Levels of Moderately Malnourished Children in Thika Informal Settlements, Kenya</td>
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<td>Association between Dietary Serine Intakes and Type 2 Diabetes among Chinese Adults in Harbin, China</td>
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<td>Test-retest reproducibility of dietary patterns assessed with a food frequency questionnaire (KomPAN): Study in Polish adolescents and adults.</td>
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<td>Thursday, October 19</td>
<td>08.00 - 09.00</td>
<td>Touch Screen 12</td>
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<td>Thursday, October 19</td>
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<td>144/1900 Anti-obesity effects of kaempferol by inhibiting early adipogenesis in 3T3-L1 cells</td>
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<td>Thursday, October 19</td>
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<td>144/1905 Effect of the lyophilization process on the content of bioactive compounds from fruit pulps of Brazilian Pantanal</td>
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<td>Thursday, October 19</td>
<td>08.00 - 09.00 h</td>
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<td>144/2147 Analysis of bioactive compounds of noni seeds (Morinda citrifolia L.)</td>
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<td>Track 6</td>
<td>144/1917 Formulation and acceptability of a freeze-dried maqui (aristolotelia chilenis) based healthy snack for elderly</td>
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<td>Thursday, October 19</td>
<td>08.00 - 09.00 h</td>
<td>Touch Screen 13</td>
<td>Track 6</td>
<td>144/1922 Exploring the functional properties of elephant foot yam (Amorphophallus paoniifolious) to ameliorate perimenopausal symptoms</td>
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<td>144/1928 Hydrolysed pea proteins mitigate in vitro wheat starch digestibility</td>
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<td>Touch Screen 14</td>
<td>Track 6</td>
<td>144/1943 Amaranth protein acts as a protective factor in liver of hamsters fed with high concentrations of saturated fatty acids and cholesterol</td>
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<td>Thursday, October 19</td>
<td>08.00 - 09.00 h</td>
<td>Touch Screen 14</td>
<td>Track 6</td>
<td>144/1949 Effect of antioxidant dietary fiber from spent coffee (Coffea arabica L.) grounds on gastrointestinal health of adults</td>
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<td>Thursday, October 19</td>
<td>08.00 - 09.00 h</td>
<td>Touch Screen 14</td>
<td>Track 6</td>
<td>144/1958 Endosperm of tara seed (Caesalpinea spinosa) and American agave leaves powder regulate body weight gain and intestinal health in Holtzman rats</td>
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<td>08.00 - 09.00 h</td>
<td>Touch Screen 14</td>
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<td>144/2036 GPETAFLR, a peptide isolated from Lupinus angustifolius L. protein hydrolysate, exerts anti-inflammatory effects in human primary monocytes</td>
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<td>144/2070 The antioxidant dietary fiber from spent coffee (Coffea arabica L.) grounds improve circadian locomotor activity and anthropometric parameters in adults with normal weight and overweight</td>
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<td>08.00 - 09.00 h</td>
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<td>144/2093 Nutritional, bioactive, and botanical characterization of bee pollen harvested in the Colorado River Valley, Argentina</td>
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<td>144/2109 Propolis ethanolic extract as natural bee pollen load preservative</td>
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<td>Thursday, October 19</td>
<td>08.00 - 09.00 h</td>
<td>Touch Screen 15</td>
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<td>144/2132 Polyphenols consumption and expression of genes related to endoplasmic reticulum stress in vascular endothelium</td>
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<td>Thursday, October 19</td>
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<td>144/2135 Application of pear orange citrus food fiber (Citrus sinensis Osbeck) in the production of products functional foods</td>
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<td>Touch Screen 15</td>
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<td>144/2188 Elaboration and acceptance of cereal bar with flour of flavedo, albedo and orange-peel pulp (Citrus sinensis Osbeck): Options of food products sources of food fiber</td>
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<td>Thursday, October 19</td>
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<td>Touch Screen 15</td>
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<td>144/2146 Antioxidant activity and sensory analysis of frozen kale pulp (Brassica oleracea L. var. acephala)</td>
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<td>6</td>
<td>Evaluation of the anti-inflammatory/antioxidant effect of aqueous leaves extract of Passiflora alata Curtis and catechin, rutin, isoorientin, vitexin in co-culture of MIN6/lymphocytes from NOD mice</td>
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<td>6</td>
<td>Is psyllium an adjuvant therapy for childhood dyslipidemia? A systematic review of randomized controlled clinical trials</td>
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<td>6</td>
<td>Neuroprotective effect of Salvia hispanica I (chia) oil against pesticides in rats</td>
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<td>Thursday,</td>
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<td>Touch Screen 6</td>
<td>6</td>
<td>Influence of regular consumption of green banana flour on the intestinal functioning in servers of a federal university</td>
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<td>Thursday, October 19</td>
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<td>Touch Screen 6</td>
<td>6</td>
<td>Effect of regular ingestion of green banana flour in risk factors for metabolic syndrome in servers of a federal university</td>
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<td>Touch Screen 6</td>
<td>6</td>
<td>The effect of green banana biomass in the lipid and glycemic profile in Swiss mice on hypercaloric diet</td>
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<td>Touch Screen 6</td>
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<td>Intake of red wine grape pomace flour increases antioxidant function of high density lipoproteins (HDL) in humans.</td>
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<td>Touch Screen 6</td>
<td>6</td>
<td>Effect of the consumption of Moringa oleifera in diabetic rats</td>
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<td>Research in Analytical Chemistry applied to Nutrition as a tool in teaching</td>
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<td>Thursday,</td>
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<td>Touch Screen 7</td>
<td>6</td>
<td>Early Life Programming by Omega-3 Fatty Acids in Obesity-Associated Inflammation</td>
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<td>Angiotensin I-converting enzyme inhibitory activity of oat proteins hydrolysates</td>
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<td>Thursday,</td>
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<td>Touch Screen 7</td>
<td>6</td>
<td>The BIOPEP - database of food biologically active peptides and proteins</td>
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<td>Thursday,</td>
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<td>Touch Screen 7</td>
<td>6</td>
<td>Antioxidant properties of 5 Iranian traditional edible wild plants grown in Loresta province.</td>
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<td>6</td>
<td>Characterization of Antioxidative Peptides from the Oil Palm (Elaeis guineensis Jacq.) Kernel Protein Hydrolysate</td>
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<td>Thursday,</td>
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<td>Touch Screen 7</td>
<td>6</td>
<td>Effect of powder dry adzuki bean paste in place of wheat flour on resistant starch content and sensory characteristics of cookies</td>
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<td>Thursday,</td>
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<td>Touch Screen 8</td>
<td>6</td>
<td>The physiotherapist and the functional foods in the quality of life in health</td>
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<td>Thursday,</td>
<td>09.00 - 10.00 h</td>
<td>Touch Screen 8</td>
<td>6</td>
<td>Exploration of biofunction of siphonaxanthin, a carotenoid derived from green algae, on hepatic lipogenesis</td>
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<td>Thursday,</td>
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<td>Touch Screen 8</td>
<td>6</td>
<td>Solvent Extracts of Khaya grandifoliola Stem Bark Ameliorates Iron Deficiency Anaemia in Iron Deficient Albino Rats</td>
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<td>Touch Screen 8 Track 6</td>
<td>144/494</td>
<td>Rottlerin enhanced uncoupling oxidative phosphorylation via LRP6 mediated pathway in differentiated D16 beige adipocytes</td>
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<td>09.00 - 10.00 h</td>
<td>Touch Screen 8 Track 6</td>
<td>144/506</td>
<td>Association between amino acids, biomarkers of prostate cancer and inflammation in Norwegian prostate cancer patients</td>
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<td>09.00 - 10.00 h</td>
<td>Touch Screen 8 Track 6</td>
<td>144/511</td>
<td>Identification of proprotein convertase subtilisin/kexin type 9 (PCSK9) inhibitors from natural products</td>
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<td>09.00 - 10.00 h</td>
<td>Touch Screen 8 Track 6</td>
<td>144/529</td>
<td>Investigation of microbial flora and regional difference of kumiss using ARISA</td>
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<td>09.00 - 10.00 h</td>
<td>Touch Screen 9 Track 6</td>
<td>144/533</td>
<td>D-allulose, functional rare sugar, normalized body weight via regulating lipid metabolism in diet induced obese mice</td>
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<td>09.00 - 10.00 h</td>
<td>Touch Screen 9 Track 6</td>
<td>144/565</td>
<td>Evaluation of knowledge and consumption of functional foods by adolescents</td>
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<td>09.00 - 10.00 h</td>
<td>Touch Screen 9 Track 6</td>
<td>144/583</td>
<td>The effects of resistant starch on bone loss via intestinal microbiota and inflammation in ovariectomised mice.</td>
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<td>09.00 - 10.00 h</td>
<td>Touch Screen 9 Track 6</td>
<td>144/607</td>
<td>Ameliorated effects of ethanol extracts from Cajanus cajan (L.) Millsp. roots on methylglyoxal-induced insulin resistance in rats</td>
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<td>09.00 - 10.00 h</td>
<td>Touch Screen 9 Track 6</td>
<td>144/646</td>
<td>Folate and vitamine C content in commercial fruit/vegetables-based smoothie</td>
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<td>09.00 - 10.00 h</td>
<td>Touch Screen 9 Track 6</td>
<td>144/667</td>
<td>Effect of pomegranate juice consumption on the levels of glucose and lipidic profile</td>
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<td>09.00 - 10.00 h</td>
<td>Touch Screen 9 Track 6</td>
<td>144/719</td>
<td>Effect of medicinal herb Hangryon on ghrelin secretion of gastroenteric-brain hormone mechanism</td>
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<td>Thursday, October 19</td>
<td>09.00 - 10.00 h</td>
<td>Touch Screen 10 Track 6</td>
<td>144/737</td>
<td>Folate content in red raspberries</td>
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<td>09.00 - 10.00 h</td>
<td>Touch Screen 10 Track 6</td>
<td>144/772</td>
<td>A solution to nutritional problems of children at pubertate period</td>
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<td>Touch Screen 10 Track 6</td>
<td>144/796</td>
<td>Glabridin inhibits muscle atrophy through p38/FOXO3a and glucocorticoid receptor signals</td>
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<td>Thursday, October 19</td>
<td>09.00 - 10.00 h</td>
<td>Touch Screen 10 Track 6</td>
<td>144/798</td>
<td>Therapeutic effects of edible brown alga Undaria pinnatifida (wakame) in the mice infected with herpes simplex virus</td>
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<td>Thursday, October 19</td>
<td>09.00 - 10.00 h</td>
<td>Touch Screen 10 Track 6</td>
<td>144/810</td>
<td>Effect of the Kiwifruit extract (Actannine®; Act) on the intestinal lipid absorption.</td>
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<td>Touch Screen 10 Track 6</td>
<td>144/825</td>
<td>Effects of freeze-dried herbal powder on the liver of mice fed a high-fat, high-sucrose diet</td>
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<td>Thursday, October 19</td>
<td>09.00 - 10.00 h</td>
<td>Touch Screen 10 Track 6</td>
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<td>The effect of additional consumption of one egg per day on serum lipids and antioxidant parameters in healthy and moderately hypercholesterolemic males</td>
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<td>Thursday, October 19</td>
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<td>Touch Screen 11 Track 6</td>
<td>144/845</td>
<td>Involvement of the vagus nerve in the enhancement of thermogenesis by intragastric administration of TRPMB8 agonist</td>
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<td>Thursday, October 19</td>
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<td>144/994</td>
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<td>09.00 - 10.00 h</td>
<td>Touch Screen 14</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 09.00 - 10.00 h</td>
<td>Location: Touch Screen 14, Track 7</td>
<td>Session 144/746</td>
<td>Title: The effect of education program on nutritional knowledge in polish adolescents: 3- and 9-month follow-up. Abc of healthy eating project</td>
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<td>Time: 09.00 - 10.00 h</td>
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<td>Session 144/1209</td>
<td>Title: Cultivating nutrition-sensitive crops to improve nutritional practices of women and children in Northern Ghana</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 09.00 - 10.00 h</td>
<td>Location: Touch Screen 14, Track 7</td>
<td>Session 144/1219</td>
<td>Title: Impact of nutrition education on overweight adolescent girls (10-19 years) in the selected schools of Dhaka city</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 09.00 - 10.00 h</td>
<td>Location: Touch Screen 14, Track 7</td>
<td>Session 144/1220</td>
<td>Title: Perception and familiarity of food products including fruits and vegetables by adolescents. Declaration based on experience and preferences: ABC of Healthy Eating project</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 09.00 - 10.00 h</td>
<td>Location: Touch Screen 14, Track 7</td>
<td>Session 144/1230</td>
<td>Title: Healthily, colourfully, tasty - be in touch with your senses and enjoy consumption. Sensory workshop with adolescents: ABC of Healthy Eating project</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 09.00 - 10.00 h</td>
<td>Location: Touch Screen 15, Track 7</td>
<td>Session 144/1246</td>
<td>Title: My Healthy School Program</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 09.00 - 10.00 h</td>
<td>Location: Touch Screen 15, Track 7</td>
<td>Session 144/1251</td>
<td>Title: Fostering Physical Activity during Childhood: a Government Sector Experience</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 09.00 - 10.00 h</td>
<td>Location: Touch Screen 15, Track 7</td>
<td>Session 144/1333</td>
<td>Title: Portrait of contemporary Moroccan lives in Casablanca between the original food culture and modernity.</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 09.00 - 10.00 h</td>
<td>Location: Touch Screen 15, Track 7</td>
<td>Session 144/1339</td>
<td>Title: School teacher's knowledge and school practices related to fruit consumption and their perceptions about student's attitudes toward the same issue.</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 09.00 - 10.00 h</td>
<td>Location: Touch Screen 15, Track 7</td>
<td>Session 144/1255</td>
<td>Title: Project JA: a novel approach to stimulate positive attitude from children to fruits and vegetables consumption and to the movement</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 09.00 - 10.00 h</td>
<td>Location: Touch Screen 15, Track 7</td>
<td>Session 144/1353</td>
<td>Title: Impact of a promotional program regarding healthy eating in BMI and feeding habits in high school students.</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 09.00 - 10.00 h</td>
<td>Location: Touch Screen 15, Track 7</td>
<td>Session 144/1355</td>
<td>Title: Funky foods to reduce malnutrition among young children in Sotnikum Operation District, Siem Reap, Cambodia</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 11.30 - 12.30 h</td>
<td>Location: Touch Screen 1, Track 7</td>
<td>Session 144/1364</td>
<td>Title: The Importance of Nutritionist in the Preparation and Monitoring the Menu in School kindergarten</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 11.30 - 12.30 h</td>
<td>Location: Touch Screen 1, Track 7</td>
<td>Session 144/1376</td>
<td>Title: Household pond-fish production in southern Ethiopia increases fish consumption frequency and dietary diversity in women of reproductive age.</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 11.30 - 12.30 h</td>
<td>Location: Touch Screen 1, Track 7</td>
<td>Session 144/1393</td>
<td>Title: Parece alface, mas não é. (It looks like lettuce, but it is not)</td>
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<tr>
<td>Date: Thursday, October 19</td>
<td>Time: 11.30 - 12.30 h</td>
<td>Location: Touch Screen 1, Track 7</td>
<td>Session 144/1397</td>
<td>Title: Effectiveness of an intervention to increase healthy eating and leisure-time walking among pregnant women in antenatal care</td>
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<td>Date: Thursday, October 19</td>
<td>Time: 11.30 - 12.30 h</td>
<td>Location: Touch Screen 1, Track 7</td>
<td>Session 144/1407</td>
<td>Title: Nutrition education and youth: A training an intervention initiative to promote social change within young women in San Marcos, Guatemala</td>
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<td>Thursday, October 19</td>
<td>11.30 - 12.30 h</td>
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<td>Thursday, October 19</td>
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<td>Non-destructive ripening indexes of prickly pear (Opuntia ficus-indica) for an optimal freeze-drying.</td>
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<td>Determination of magnesium in spinach under different cooking methods</td>
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<td>Enrichment effect to final composition of complementary feeding preparations</td>
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<td>11.30 - 12.30 h</td>
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<td>Accumulation processes of nutritionally beneficial minerals in a brown algae, Hijiki (Sargassum fusiforme), during growth</td>
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<td>Touch Screen 1</td>
<td>Track 8</td>
<td>The sensory acceptability of two biofortified iron/zinc bean varieties by preteens from rural- and semi-rural areas in the Andean region of Colombia</td>
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<td>Thursday, October 19</td>
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<td>Harnessing agriculture for nutrition outcomes: experience from Tanzania</td>
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<td>Labeling and Reporting of Salt/Sodium in Packaged Foods</td>
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<td>Trans fatty acids: after 14 years of Brazilian legislation are the labeling adequate?</td>
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<td>Thursday, October 19</td>
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<td>Development of nutritional and healthy bakery products by incorporation of quinoa</td>
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<td>Thursday, October 19</td>
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<td>Touch Screen 1</td>
<td>Track 8</td>
<td>Reduction of sodium content, increase of dietary fiber and yeast, and nutritional information: Do they affect the acceptability of optimized bread regarding consumers in Buenos Aires, Argentina?</td>
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<tr>
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<td>Contribution of trans fatty acids by foods most preferably consumed by a group of students</td>
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<td>Touch Screen 2</td>
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<td>Effect of glyphosate on acid lactic bacteria</td>
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<td>Thursday, October 19</td>
<td>12.30 - 13.30 h</td>
<td>Touch Screen 2</td>
<td>Track 8</td>
<td>The impact of solar market gardens on child growth, iron and vitamin A status in the Kalalé district of norther Benin.</td>
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<td>Thursday, October 19</td>
<td>12.30 - 13.30 h</td>
<td>Touch Screen 2</td>
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<td>Toxicity of leachate from plastic packaging in two biological models</td>
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<td>Thursday, October 19</td>
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<td>Touch Screen 2</td>
<td>Track 8</td>
<td>Effect of nitrogen and compost different levels on qualitative and quantitative performance(flower dry weight, seed dry weight, flower diameter, number of flower in plant, flavonoid content) of Calendula officinalis L.</td>
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<tr>
<td>Thursday, October 19</td>
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<td>Effect of different plant density and arrangements on qualitative and quantitative performance of Calendula officinalis L.</td>
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<td>Effect of nitrogen and compost levels on qualitative and quantitative performance(flower dry weight, seed dry weight, flower diameter, number of flower in plant) of Calendula officinalis L.</td>
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<td>Reducing effect of artichoke extract on heterocyclic aromatic amines formation in beef</td>
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<td>Thursday, October 19</td>
<td>12.30 - 13.30 h</td>
<td>Touch Screen 3</td>
<td>Track 8</td>
<td>Nutrition sensitive agriculture for improving food security: A case from ANF4W</td>
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<td>Thursday, October 19</td>
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<td>Quality characteristics, consumption patterns and nutrient profile of yellow flesh cassava varieties and their products</td>
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<td>Thursday, October 19</td>
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<td>Nutritional Value of Snacks Commercialized in Private University in São Paulo City</td>
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<td>Bioaccessibility and total content of trace elements in different varieties of cooked rice.</td>
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<td>The impact of solar market gardens on dietary diversity, women’s nutritional status and components of women’s empowerment in the Kalalé district of norther Benin</td>
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<td>Thursday, October 19</td>
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<td>Track 8</td>
<td>Maternal aflatoxin levels in pregnancy and low birth weight prevalence in Banke, Nepal</td>
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<td>Community level effects of a targeted, Homestead Food Production intervention</td>
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<td>Butyrophilin ecto-domain of milk fat globule membrane promotes mucin production from the intestinal epithelial cells</td>
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<td>Integration of agriculture extension service in Africa</td>
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<td>Mainstreaming Nutrition into Regional Agriculture Investment Policy and Strategy of the Economic Community of West African States (ECOWAS) 2016-2025</td>
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<td>Increasing consumption potential by reducing loss and waste of fruits and vegetables through genetic improvement</td>
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<td>Increasing productivity of smallholder farmers through improved tools and education</td>
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<td>Differential predictors of household dietary diversity in rural small holder farming communities in Mali, Sierra Leone and Democratic Republic of Congo</td>
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<td>Moderate and severe food insecurity was associated with Stunting among Panamanian children under five years old in rural communities</td>
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<td>Bioactive compounds in Uruguayan wheat genotypes.</td>
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<td>Insights from the sequencing and annotation of the Stevia rebaudiana genome and their application in agronomy and health</td>
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<td>The Modal Salient Behavioral, Normative and Control Beliefs about Nutritional Claims on Prepackage Food Products</td>
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<td>Track 8</td>
<td>40 years of Innovated Industrial based AGRI-TECH in sustainability for zero food waste</td>
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<td>Impact of sanitizing agents on the microbiological and physical-chemical quality of cucumbers</td>
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<td>Track 8</td>
<td>Agricultural development interventions and dietary diversity of rural smallholder farming households in East and Southern Africa (ESA)</td>
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<td>Nutrition, safety, and trust: the case of infant formula consumption in urban China</td>
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<td>Development, characterization and sensory analysis of sugar-free prickly pear jam (Opuntia ficus indica)</td>
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<td>A plant needs organic fertilizer for it to grow in a balanced way</td>
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<td>Nutritional composition of processed cow hide and cow foot: a delicacy in Ghana</td>
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<td>Evaluation of nutrients, phytochemical and acceptability of bread produced from composite flour of watermelon seed and wheat</td>
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<td>Potential of Alternative Food Networks in Medellin</td>
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<td>Effects of seasonality on household food security and food consumption patterns of pastoralist’s children in Kajiado County, Kenya</td>
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<td>Reconciling safety allowances for beta agonist residues in meat from food animals</td>
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<td>Examining the gaps in professional relationships between the nutrition and agricultural professionals towards promoting food and nutrition security in Nigeria</td>
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<td>Milk contamination with aflatoxin M1 a in Jeddah, Saudi Arabia</td>
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<td>Household food insecurity coping strategies among rural dwellers in Abia state</td>
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<td>Transformations in agriculture and meeting the food needs of population as a result of climatic changes</td>
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<td>Cognitive bias in food handlers: more knowledge means food safety?</td>
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<td>Constraints in promoting nutrition in the agricultural sector in Kenya</td>
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<td>Friday, October 20</td>
<td>09.00 - 10.00 h</td>
<td>Touch Screen 1</td>
<td>Track 8</td>
<td>N-glycolyneuraminic acid levels in red meat of 7 animal species: Guideline for human consumption</td>
</tr>
</tbody>
</table>