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ILSI 2022 Annual Meeting June 27-30, Brussels, Belgium Program Status as of June 24, 2022

Monday, June 27

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| 14:00 - 16:30 - ILSI Stakeholders Forum | Hybrid |
| 17:00 - 18:30 - Breakout: Brainstorming on topics ILSI could address as a Federation | In-person |
| 17:00 - 18:30 - Breakout: New ILSI Global Research Program and funding opportunities for universities | In-person |
| 19:00 - 21:00 - Gala Dinner | In-person |

Tuesday, June 28

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| 08:00 - 17:00 - ILSI Annual Symposium: Sessions 1, 2, and 3 | Hybrid |
| 17:30 - 19:00 - Poster Reception | In-person |

Wednesday, June 29

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| 08:00 - 17:00 - ILSI Annual Symposium: Sessions 4, 5, 6, and 7 | Hybrid |
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ILSI 2022 Annual Meeting

June 27-30, Brussels, Belgium

ILSI Scientific Program Planning Committee

Philip Calder - Co-Chair - Southampton University, United Kingdom

Sushila Chang - Co-Chair - Griffith University, Australia

Lee-Ann Jaykus - North Carolina State University, United States

Geoff Smith - Nutrition Strategies International Pte. Ltd., Singapore

Connie Weaver - San Diego State University, United States

Pauline Chan - ILSI Southeast Asia Region

Isabelle Guelinckx - ILSI Europe

Hannia León - ILSI Mesoamerica

Helene Tournu - ILSI Global

Stephane Vidry - ILSI Global

ILSI 2022 Annual Meeting

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Detailed Program

Tuesday, June 28

8:00 – 10:00

Session 1: Progress in technologies and their applications

Co-Chairs: **Dr. Jan-Willem van Klinken**, Senior Vice President Medical & Scientific Affairs, Brightseed, USA and **Dr. H N Mishra**, Senior Professor at the Indian Institute of Technology, Kharagpur (IIT Kharagpur), India

- **From N-of-1 healthcare to food technology: harnessing digital medicine approaches to food and nutrition challenges.** **Dr. Dean Ho**, College of Design and Engineering, National University of Singapore, Singapore
- **Combating the double burden of malnutrition: building evidence-base with nuclear and isotopic techniques.** **Dr. Victor Owino**, Nutritional and Health Related Environmental Studies Section, Division of Human Health, International Atomic Energy Agency (IAEA), Austria
- **Food tech innovations for nutrition and health security -** **Dr. H N Mishra**, Professor of Food Technology in the Agricultural & Food Engineering Department, Indian Institute of Technology, Kharagpur, India
- **Artificial intelligence.** **Dr. Bernardo Calzadilla-Sarmiento**, Managing Director of the Directorate of Digitalization, Technology and Agri-Business, and Director of the Department of Digitalization, Technology and Innovation, at the United Nations Industrial Development Organization, UNIDO, Austria
- **Forager: An Artificial Intelligence Platform Illuminating the Connection Between Plants, Nutrition and Health.** **Dr. Jan-Willem van Klinken**, Senior Vice President Medical & Scientific Affairs, Brightseed, USA

10:30 – 12:30

Session 2: Improving nutrition for public benefit

Co-Chairs: **Professor Philip Calder**, Head of Human Development & Health and Professor of Nutritional Immunology within Medicine at the University of Southampton, United Kingdom and **Dr. Laurent Le Bellego**, France

- **ILSI U.S. and Canada charter on applications of globally harmonized nutrients: development and application of nutrient bioavailability algorithms.** **Dr. Connie Weaver**, San Diego State University, USA
- **The Delta Model®: nutrient provision of the global food production system.** **Dr. Jeremy P. Hill**, The Riddet Institute, Sustainable Nutrition Initiative®, New Zealand

- **Identifying and treating malnutrition in community-living seniors.** **Dr. Heather Keller**, University of Waterloo, Canada
- **Steps towards precision nutrition.** **Dr. Jose Ordovas**, Jean Mayer USDA Human Nutrition Research Center on Aging at Tufts University, USA
- **Towards a healthy human microbiome.** **Dr. Seppo Salminen**, Director, Functional Foods Forum, University of Turku, Finland

14:00 – 17:00

Session 3: Global initiatives to improve population health - what can we learn from each other

Co-Chairs: **Dr. Kerr Dow**, ILSI Global Board Co-Chair, Vice President, Global Research and Development, Cargill (retired), USA, and **Dr. Louise Dye**, ILSI Global Board Co-Chair, University of Leeds, United Kingdom

- **EU-FOOD2030 R&I policy framework and horizon Europe outlook.** **Dr. Cindy Schoumacher**, Policy Officer, Bioeconomy & Food Systems, DG Research & Innovation, European Commission, Belgium
- **Healthy people 2030 nutrition goals: building a healthier future for all.** **Janet DeJesus**, MS, Nutrition Advisor at HHS Office of Disease Prevention and Health Promotion, USA
- **FAO 2030 agenda in Latin America and the Caribbean.** **Dr. Israel Rios Castillo**, Nutrition Officer, FAO Subregional Office for Mesoamerica, Food and Agriculture Organization of the United Nations (FAO), Costa Rica
- **Steps planned/needed for sustainable food systems in Asia Pacific.** **Thanawat Tiensin**, Permanent Representative of Thailand to the United Nations Agencies in Rome (FAO, IFAD, WFP), Italy
- **Moderators for the panel discussion:** Session Co-Chairs: **Dr. Louise Dye** and **Dr. Kerr Dow**

Wednesday, June 29

8:00 – 10:00

Session 4: Improving the credibility and integrity of nutrition research

Co-Chairs: **Dr. Sushila Chang**, Griffith University, Australia and **Dr. Douwina Bosscher**, Research and Development Director Global Edible Oils Solutions (GEOS), Europe, Cargill, Belgium

- **Trouble in science and science in trouble.** **Dr. Hannelore Daniel**, Technical University of Munich, Germany
- **Best practices for nutrition trials in humans.** **Dr. Connie Weaver**, San Diego State University, USA

- **Trials and tribulations of scientific integrity in tripartite collaborations.** **Dr. Sushila Chang**, Griffith University, Australia
- **Improving the credibility of the science of nutrition.** **Dr. Philip Calder**, Head of Human Development & Health, Professor of Nutritional Immunology, University of Southampton, United Kingdom

10:30 – 12:30

Session 5: The coming revolution of the Omics sciences: Metabolomics and Foodomics for increased understanding of food nutrients, quality, traceability and health impacts

Session co-organized with the Periodic Table of Food Initiative (PTFI).

Co-Chairs: **Dr. Nora Khaldi**, Nuritas Founder and CEO, Ireland and **Dr. Carlos Malpica Lizarzaburu**, CEO of MLP Vision Biotech S.L, Spain

- **Metabolomics to analyze food components and current database development.** **Dr. David Wishart**, University of Alberta, Canada
- **What are we eating? Metabolomics can give us an insight.** **Dr. Lorraine Brennan**, Professor, School of Agriculture and Food Science University College Dublin, Ireland
- **Foodomics: the significance for future food.** **Dr. Alejandro Cifuentes**, Full Research Professor at the Institute of Food Science Research (CIAL), National Research Council of Spain (CSIC), Madrid, Spain

13:30 – 15:00

Session 6: Climate change and sustainability

Co-Chairs: **Dr. Hannia Leon**, Executive Director, ILSI Mesoamerica, Costa Rica and **Dr. Janice Rueda**, Vice President, Nutrition Science Business Development, Archer Daniels Midland (ADM), USA

- **How to achieve net zero C.** **Stéphanie Bouckaert**, Head of Demand Sectors Unit, International Energy Agency (IEA), France
- **The interface of water and food.** **Dr. Lee-Ann Jaykus**, William Neal Reynolds Distinguished Professor in the Department of Food, Bioprocessing, and Nutrition Sciences at North Carolina State University, USA
- **Economic potential of food system transformation.** **Dr. Steven Lord**, European Food System Futures at Environmental Change Institute (ECI), University of Oxford, United Kingdom

15:30 – 17:00

Session 7: Food safety challenges and opportunities in a Post-COVID World

Co-Chairs: **Dr. Lee-Ann Jaykus**, William Neal Reynolds Distinguished Professor in the Department of Food, Bioprocessing, and Nutrition Sciences at North Carolina State University, USA and **Mr. Geoffrey Smith**, Chairman of the Essential Micronutrients Foundation, Singapore

- **One health and one water: surface water as potential reservoir of zoonotic pathogens.** **Dr. Jianghong Meng**, Director of the Joint Institute for Food Safety & Applied Nutrition (JIFSAN), and Professor at Department of Nutrition and Food Science, University of Maryland, College Park, USA
- **Cybersecurity and the role of the food safety manager.** **Dr. John W. Spink**, Assistant Professor, Department of Supply Chain Management in the Business College at Michigan State University, USA
- **Sensing bacteria and bacterial sensing.** **Dr. Ariel Furst**, Department of Chemical Engineering, School of Engineering at MIT, USA