

# PROGRAM



# ILSI 2024

## ANNUAL MEETING

21-24 January 2024 | Clearwater, FL, USA

TECHNOLOGIES AND CLIMATE CHANGE: SHAKING UP  
21<sup>ST</sup> CENTURY FOOD SYSTEMS – PROMISES AND PITFALLS

[www.ilsi.org/annualmeeting](http://www.ilsi.org/annualmeeting)

### Saturday, January 20

8:30 a.m. - 5:30 p.m.	ILSI Federation Staff Meeting (By invitation only)	Waters Edge C
Evening	Dinner with ILSI Assembly Members (By invitation only)	

### Sunday, January 21

9:00 a.m. - 12:00 p.m.	ILSI Global Assembly Meeting (By invitation only)	Grand Ballroom - Salon E
2:00 p.m. - 4:00 p.m.	<b>ILSI Stakeholder Forum</b>	Grand Ballroom - Salons FG
4:00 p.m. - 4:30 p.m.	Coffee Break	Grand Ballroom Foyer EFG
4:30 p.m. - 5:30 p.m.	<b>Meet the ILSI Entities</b>	Grand Ballroom - Salons FG
6:00 p.m. - 7:30 p.m.	<b>Poster Reception</b>	Grand Ballroom - Salon E + Foyer

### Monday, January 22

	<b>Opening of the Symposium</b>	
9:00 a.m. - 9:10 a.m.	Welcome by the Symposium Co-Chairs: <ul style="list-style-type: none"> <li>• <b>Louise Dye</b>, PhD, University of Sheffield, United Kingdom</li> <li>• <b>Todd Abraham</b>, PhD, MBA, Mondelēz (Retired), USA</li> </ul>	Grand Ballroom - Salons FG
9:10 a.m. - 9:30 a.m.	<b>Special Presentation: USDA Science and Research Strategy – Cultivating Scientific Innovation</b> <ul style="list-style-type: none"> <li>• <b>Deirdra N. Chester</b>, PhD, RDN, Director, Office of the Chief Scientist (OCS/OSEC) at the United States Department of Agriculture (USDA)</li> </ul>	Grand Ballroom - Salons FG

9:30 a.m. - 10:10 a.m.	<b>Keynote: Role of Technologies in Improving Nutrition, Food Safety and Food Systems</b> <ul style="list-style-type: none"> <li>• <b>John G. Keogh</b>, M.B.A., M.Sc., Shantalla Insight Partners LLC, Canada</li> </ul>	Grand Ballroom - Salons FG
10:10 a.m. - 10:40 a.m.	Coffee Break	Grand Ballroom Foyer EFG
10:40 a.m. - 12:40 p.m.	<p><b>Session 1 – Cultivated Meats: Pioneering Safety in Next-Gen Proteins</b></p> <p>Session Co-Chairs:</p> <ul style="list-style-type: none"> <li>• <b>Melanie Abley</b>, PhD, Office of the Chief Scientist, USDA, USA</li> <li>• <b>René Viñas</b>, PhD, UPSIDE Foods, USA</li> </ul> <p>This session will include two roundtable discussions focused on:</p> <ul style="list-style-type: none"> <li>• Food Safety and Quality.</li> <li>• Technological Advancements, Future Prospects and Consumer Perception.</li> </ul> <p>Panelists will include:</p> <ul style="list-style-type: none"> <li>• <b>David Kaplan</b>, PhD, Tufts University School of Engineering, USA</li> <li>• <b>Mathew Lau</b>, PhD, A*STAR, Singapore</li> <li>• <b>David Prescott</b>, PhD, Health Canada</li> <li>• <b>David B. Schmidt</b>, AOAC International, USA</li> </ul>	Grand Ballroom - Salons FG
12:40 p.m. - 2:00 p.m.	Lunch	Sandpiper Terrace
2:00 p.m. - 3:20 p.m.	<p><b>Session 2 – Deep Space Food Challenge: Insights into the Future of Food Production Systems</b></p> <p>Session Co-Chairs:</p> <ul style="list-style-type: none"> <li>• <b>Leila Saldanha</b>, PhD, RD, Independent Scientist, USA</li> <li>• <b>Todd Abraham</b>, PhD, MBA, Mondelēz (Retired), USA</li> </ul> <p>Featuring the following speakers and presentations:</p> <ul style="list-style-type: none"> <li>• <b>Planning for the Ultimate Road Trip: NASA's Innovative Approach to Feeding Future Exploration Crews</b> – <b>Ralph Fritsche</b>, Jacobs contractor for NASA and the Centennial Challenges Program for the Deep Space Food Challenge, USA</li> <li>• <b>Overview of the Canadian Space Agency's Food Production Initiative</b> – <b>Matthew Bamsey</b>, PhD, Deep Space Food Production; Canadian Space Agency, Canada (Remote participation)</li> <li>• <b>ESA Space Food Activities</b> – <b>Sonja Brungs</b>, PhD, Crew Support Engineer at DLR for European Space Agency, Germany</li> </ul>	Grand Ballroom - Salons FG
3:20 p.m. - 3:40 p.m.	Coffee Break	Grand Ballroom - Salons FG
3:40 p.m. - 5:10 p.m.	<p><i>Session 2 continues with the following speakers and presentations:</i></p> <ul style="list-style-type: none"> <li>• <b>Barbara Belvisi</b>, Interstellar Lab, France</li> <li>• <b>Food Out of Thin Air – Microbial Protein Production via Gas Fermentation with CO2 and H2</b> – <b>Arttu Luukanen</b>, Solar Foods, Finland</li> </ul>	Grand Ballroom - Salons FG

3:40 p.m. - 5:10 p.m.	A roundtable discussion with all speakers concludes Session 2 <ul style="list-style-type: none"> <li>• Moderator: <b>Todd Abraham</b>, PhD, MBA, Mondelēz (Retired), USA</li> </ul>	Grand Ballroom - Salons FG
6:30 p.m.	<b>Gala Dinner</b>	Sandpiper Terrace

## Tuesday, January 23

8:30 am. - 10:00 a.m.	<p style="text-align: center;"><b>Session 3 – Advances in Healthy Aging: Innovative Approaches and Technological Breakthroughs for Promoting Health Span</b></p> <p>Session Chair:</p> <ul style="list-style-type: none"> <li>• <b>Roger Fielding</b>, PhD, Jean Mayer USDA Human Nutrition Research Center on Aging, USA</li> </ul> <p>Featuring the following speakers and presentations:</p> <ul style="list-style-type: none"> <li>• <b>Targeting Senescent Cells for Healthy Aging – Roger Fielding</b>, PhD, Jean Mayer USDA Human Nutrition Research Center on Aging, USA</li> <li>• <b>The WHO ICOPE Program: Focusing on the Nutritional Domain – Philippe de Souto Barreto</b>, PhD, Université Paul Sabatier Toulouse III, France</li> <li>• <b>Short-term Periodic Restricted Feeding Elicits Sex-specific Benefits that Persist Long Term in Non-human Primates – Isabel Beerman</b>, PhD, National Institute on Aging, USA</li> </ul>	Grand Ballroom - Salons FG
10:00 a.m. - 10:30 a.m.	Coffee Break	Grand Ballroom Foyer EFG
10:30 a.m. - 12:00 p.m.	<p style="text-align: center;"><b>Session 4 – Artificial Intelligence: Enhancing Food Supply, Nutrition and Health into the Future</b></p> <p>Session Co-Chairs:</p> <ul style="list-style-type: none"> <li>• <b>Jan-Willem van Klinken</b>, MD, PhD, Brightseed, USA</li> <li>• <b>Geoffry Smith</b>, Essential Micronutrients Foundation, Singapore</li> </ul> <p>Featuring the following speakers and presentations:</p> <ul style="list-style-type: none"> <li>• <b>AI in Food Systems: A Farm-to-Fork Approach – Ilias Tagkopoulos</b>, PhD, University of California, Davis, USA</li> <li>• <b>Artificial Intelligence and Biological Networks: A Pioneering Approach for Microbiome Data Integration in Biomarker Discovery – Enrique Carrillo de Santa Pau</b>, PhD, IMDEA, Spain</li> <li>• <b>Wearables, Images and AI for Food Intake Monitoring – Edward Sazonov</b>, PhD, University of Alabama, USA</li> </ul>	Grand Ballroom - Salons FG
12:00 p.m. - 1:15 p.m.	Lunch	Sandpiper Terrace
1:15 p.m. - 2:45 p.m.	<p style="text-align: center;"><b>Session 5 – Food Safety and Nutrition: Current and Future Trends in the Context of Global Climate Change and Sustainability Initiatives</b></p> <p>Session Chair:</p> <ul style="list-style-type: none"> <li>• <b>Lee-Ann Jaykus</b>, PhD, Distinguished Professor Emeritus, North Carolina State University, USA</li> </ul>	Grand Ballroom - Salons FG

1:15 p.m. - 2:45 p.m.	<p>Session 5 features the following speakers and presentations:</p> <ul style="list-style-type: none"> <li>• <b>Food Safety: Future Trends in the Context of Science, Sustainability, and Climate Change</b> – <b>Lee-Ann Jaykus</b>, PhD, Distinguished Professor Emeritus, North Carolina State University, USA</li> <li>• <b>Addressing Complexity in a Complex World - Approaches to Understanding the Intersection of Climate/Environmental Change (CEC), Food Systems, Diet, Nutrition and Health</b> – <b>Daniel J. Raiten</b>, PhD, FASN, NIH Office of Nutrition Research, USA</li> <li>• <b>Connection Creates Impact: The Challenges and Opportunities for Industry to Collaborate and Create Change Together</b> – <b>Sarah Ludmer</b>, RD, WK Kellogg Co, USA</li> </ul>	Grand Ballroom - Salons FG
2:45 p.m. - 3:05 p.m.	Coffee Break	Grand Ballroom Foyer EFG
3:05 p.m. - 4:05 p.m.	<p><b>Session 6 – Climate-Resilient Soil Management Strategies</b></p> <p>Session Chair:</p> <ul style="list-style-type: none"> <li>• <b>Louise Dye</b>, PhD, University of Sheffield, United Kingdom</li> </ul> <p>Featuring the following speakers and presentations:</p> <ul style="list-style-type: none"> <li>• <b>Leveraging Novel Technologies to Increase the Resilience of Agricultural Systems to Abiotic Stress</b> – <b>Holly Croft</b>, PhD, University of Sheffield, United Kingdom</li> <li>• <b>Smart Soil Management for Soil Revitalization Resulting in Healthy and Climate-resilient Cropping Systems</b> – <b>Koen Willekens</b>, Dr. ir., PhD, Flanders Research Institute for Agriculture, Fisheries and Food, Belgium</li> </ul>	Grand Ballroom - Salons FG
4:05 p.m. - 4:15 p.m.	<p><b>Closing of the Symposium</b></p> <p>Symposium Co-Chairs:</p> <ul style="list-style-type: none"> <li>• <b>Louise Dye</b>, PhD, University of Sheffield, United Kingdom</li> <li>• <b>Todd Abraham</b>, PhD, MBA, Mondelēz (Retired), USA</li> </ul>	Grand Ballroom - Salons FG

## Wednesday, January 24

9:00 a.m. - 12:00 p.m.	ILSI Global Board Meeting (By invitation only)	Waters Edge C
9:00 a.m. - 3:00 p.m.	ILSI U.S. and Canada: Dietary Bioactive Supplement Framework Committee Meeting (By invitation only)	Waters Edge A

All session times and locations are subject to change. For the latest updates or for any inquiries, please visit ILSI's registration desk.



Scan here to access more schedule, session and speaker details.