Tuesday, September 19

7:30 am  Registration Opens  
CH2M Hill Alumni Center Atrium

7:30 – 8:30 am  Breakfast

8:20 – 8:30 am  Welcome  
Emily Ho, PhD  
Director, Linus Pauling Institute,  
Professor, School of Public Health,  
Oregon State University

8:30 – 10:00 am  Session 1: Precision Health Keynote Panel  
Moderator:  
Emily Ho, PhD  
Linus Pauling Institute and School of Public Health,  
Oregon State University

Holly Nicastro, PhD, MPH  
Program Director, Nutrition for Precision Health,  
Office of Nutrition Research, National Institutes of Health

Cindy Davis, PhD  
National Program Leader, Human Nutrition,  
Agricultural Research Service, US Department of Agriculture

Andrea Wong, PhD  
Senior Vice President, Scientific and Regulatory Affairs,  
Council for Responsible Nutrition

10:00 – 10:30 am  Morning Break, sponsored by dsm-frirmenich
Session 2: How Big Data Informs Optimal Nutrition

Moderators:
Gerd Bobe, PhD
Linus Pauling Institute and Department of Animal and Rangeland Sciences, Oregon State University
Laura Beaver, PhD
Linus Pauling Institute and School of Public Health, Oregon State University

10:30 – 11:00 am
Distinct Factors Associated with Short-Term and Long-Term Weight Loss
Xiao Li, PhD
Assistant Professor, Department of Biochemistry, School of Medicine, Case Western Reserve University

11:00 – 11:30 am
Artificial Intelligence & Other Technology: A Systems Approach for Population-Personalized Health
Bruce Y Lee, MD, MBA
Professor, Department of Health Policy and Management, Executive Director of CATCH, PHICOR, and AIMINGS, Graduate School of Public Health & Health Policy, The City University of New York

11:30 am – 12:00 pm
Modernizing Data Technology to Reveal Dietary Influences on Health Outcomes
Melissa Haendel, PhD
Chief Research Informatics Officer, University of Colorado Anschutz Medical Campus

12:00 – 1:30 pm
Lunch, sponsored by Pharmavite

Session 3:
Nutrition and the Microbiome: More Than What You Eat

Moderators:
J. Frederik Stevens, PhD
Linus Pauling Institute and Department of Pharmaceutical Sciences, Oregon State University
Paige Jamieson
Linus Pauling Institute and Nutrition Graduate Program, Oregon State University

1:30 – 2:00 pm
Ketogenic Diets Alter Host Immunity via the Gut Microbiome
Peter Turnbaugh, PhD
Professor, Department of Microbiology and Immunology, University of California San Francisco

2:00 – 2:30 pm
Opportunities for Precision Nutrition in the First 1000 Days: Nurturing the Holobiont
Sharon Donovan, PhD
Professor and Melissa M. Noel Endowed Chair in Nutrition and Health, Director, Personalized Nutrition Initiative, Nutritional Sciences, University of Illinois at Urbana Champaign

2:30 – 3:00 pm
Defining the Exposure-Based Determinants of Dysbiosis at Scale
Thomas Sharpton, PhD
Associate Professor, Microbiology and Statistics, Oregon State University
3:00 – 3:30 pm  Afternoon Break, sponsored by Brassica Protection Products

Session 4: Lightning Talks, sponsored by Balchem
Moderators:
Maret Traber, PhD
Linus Pauling Institute, Oregon State University
Eric Ciappio, PhD, RD
Strategic Development Manager, Nutrition Science, Balchem Corporation

3:30 – 4:30 pm  Young Investigator Award Finalists

Does the Cathelicidin/LL-37 Peptide Affect Amyloid-beta Aggregation in a Mouse Model of Alzheimer’s Disease?
Evan DuVivier, Linus Pauling Institute, Oregon State University

Metabolomics of Dietary Spinach in the Context of Colorectal Cancer: Investigating Linoleate and Butanoate Metabolites Targeting Immunoepigenetics
Sultan Neja, Texas A&M University

Effects of Quercetin Supplementation on Lipid Profile, Liver Enzymes, Inflammatory Indices and Hematological Parameters in Non-Alcoholic Fatty Liver Disease: A Randomized, Double-Blind, Placebo-Controlled Pilot Study
Mahak Hosseinikia, Kermanshah University of Medical Sciences

Gut Microbiota-Mediated Metabolism of Xanthohumol and its Impact on Gastrointestinal Health: Findings from the XMaS Trial
Paige Jamieson, Linus Pauling Institute, Oregon State University

Exploring the Neuroprotective Potential of Selected Dietary Soft Electrophiles.
Swarnali Chatterjee, The University of Alabama

Survival of Bioactive Human Milk Proteins Across Digestion in Preterm Infants
Brianne Wai, Oregon State University

Supraphysiological Intravenous Vitamin C Reprograms Energy Metabolism in Cancer Patients
Philenroza Thavrin, Linus Pauling Institute, Oregon State University

4:30 – 5:00 pm  Invited Speakers

Metabolic Health Impacts of Seaweeds Pacific Dulse and Nori in Diet-Induced Obese Mice
Leyi Zhou, Oregon State University

Factors Affecting the Vitamin C Dose-Concentration Relationship: Implications for Global Vitamin C Dietary Recommendations
Anitra C. Carr, PhD, University of Otago, Christchurch

Centella asiatica, Administered in Drinking Water but not Diet, Attenuates Age-Related Changes in Cognition and Anxiety
Nora Gray, PhD, Oregon Health & Science University
Wednesday, September 20

6:30 am  Pre-Conference Walk
Meet at the Hilton Garden Inn Lobby

7:30 – 8:30 am  Breakfast

8:30 – 10:00 am  Session 5: Healthspan Keynote Panel
Moderator:
Emily Ho, PhD
Linus Pauling Institute and School of Public Health,
Oregon State University

Matt Kaeberlein, PhD
CEO, Optispan Inc.
Affiliate Professor, Oral Health Sciences, University of Washington

Holly Van Remmen, PhD
Professor, Aging & Metabolism Research Program,
Oklahoma Medical Research Foundation

David Furman, PhD
Associate Professor and Chief, AI Platform,
Buck Institute for Research on Aging

10:00 – 10:30 am  Morning Break, sponsored by Haleon

Session 6:
What to Do About Getting Older: Healthy Aging Interventions
Moderators:
Alysia Vrailas-Mortimer, PhD
Linus Pauling Institute and Department of Biochemistry and Biophysics,
Oregon State University

Claudia Maier, PhD
Linus Pauling Institute and Department of Chemistry,
Oregon State University

10:30 – 11:00 am  Aging, Cellular Senescence, and Senolytics: The Path to Translation
James Kirkland, MD, PhD
Noaber Foundation Professor of Aging Research, Mayo Clinic
Principal Investigator, NIH Translational Geroscience Network
11:00 – 11:30 am  
*Healthspan-inducing Natural and Bio-inspired Chemical Compounds Targeting the Proteasome* (co-sponsored as ProteoCure Dissemination Talk)

*Niki Chondrogianni, PhD*
Research Director, Institute of Chemical Biology, National Hellenic Research Foundation

11:30 am – 12:00 pm  
*Multivitamin Supplementation for Cognitive Improvement & Protection Against Decline in Older Adults*

*Laura Baker, PhD*
Professor, Gerontology and Geriatric Medicine, Wake Forest University

12:00 – 1:30 pm  
*Lunch, sponsored by Amway*

1:30 – 2:00 pm  
*Session 7: Fortifying an Aging Immune System*

**Moderators:**
- Adrian “Fritz” Gombart, PhD
  Linus Pauling Institute and Department of Biochemistry and Biophysics, Oregon State University
- Carmen Wong, PhD
  Linus Pauling Institute and School of Public Health, Oregon State University

1:30 – 2:00 pm  
*Postbiotics, Longevity, and Immunosenescence*

*Heather Zwickey, PhD*
Senior Research Investigator, Helfgott Research Institute, National University of Natural Medicine

2:00 – 2:30 pm  
*A to Z of Host-Microbiome Interactions*

*Shipra Vaishnava, PhD*
Assistant Professor, Molecular Microbiology and Immunology, Brown University

2:30 – 3:00 pm  
*Alteration of Zinc Homeostasis in the Gut-Lung Microbiome Axis Adversely Impacts Host Defense Against Bacterial Pneumonia*

*Daren Knoell, PharmD, FCCP*
Professor and Chair, Pharmacy Practice and Science, University of Nebraska Medical Center

3:00 – 3:30 pm  
*Afternoon Break, sponsored by Abbott Laboratories*
Session 8: Slowing the Decline: Healthy Cognitive Function with Age

Moderators:
Kathy Magnusson, DVM, PhD
Linus Pauling Institute and Department of Biomedical Sciences
Oregon State University

Luke Marney, PhD
Department of Chemistry, Oregon State University

3:30 – 4:00 pm Dietary Approaches to Reducing Risk for Alzheimer’s Disease and Pathological Brain Aging
Suzanne Craft, PhD
Professor, Gerontology and Geriatric Medicine, Wake Forest University

4:00 – 4:30 pm Soft Electrophilic Phytochemicals in the Prevention and Treatment of Neurodegenerative Diseases
Lukasz Ciesla, PhD
Assistant Professor, Department of Biological Sciences, The University of Alabama

4:30 – 5:00 pm Vitamin K and the Aging Brain
Sarah Booth, PhD
Director, Jean Mayer USDA Human Nutrition Research Center on Aging, Tufts University

7:00 – 7:30 pm Reception

7:30 – 9:30 pm Banquet Dinner and Awards Ceremony