Challenges and Opportunities for Precision and Personalized Nutrition
Food Forum Workshop

August 10 - 12, 2021
All times in ET

Session 1 (August 10)

10:00 AM **Welcome & Opening Remarks**
Eric Decker, University of Massachusetts Amherst
Planning Committee Chair

Session 1: The Current Evidence Base and Limitations
Moderator: **Cindy Davis**, U.S. Department of Agriculture
Planning Committee Member

10:10 AM **Human Variability – A Basis for Precision and Personalized Nutrition**
John Mathers, Newcastle University

10:30 AM **Precision Nutrition at the Intersection of History and Genomics**
Constance Hilliard, University of North Texas

10:50 AM **Integrating Microbiome and Dietary Data**
Abigail Johnson, University of Minnesota

11:10 AM **Opportunities and Obstacles in Precision Nutrition from an Engineering Perspective**
Christian Metallo, Salk Institute

11:30 AM **Psychosocial Influences on Eating Behavior**
Susan Carnell, Johns Hopkins University

11:50 AM **Integration of Multiple Omics**
Michael Snyder, Stanford University

12:10 PM **Q&A and Panel Discussion**

1:00 PM **ADJOURN SESSION 1**

SESSION 2 (August 11)

10:00 AM   **Summary of Day 1**
Cindy Davis, U.S. Department of Agriculture
Planning Committee Member

Session 2: Innovative Methodologies and Technologies
Moderator: **Bruce Y. Lee,** CUNY Graduate School of Public Health & Health Policy
Planning Committee Member

10:15 AM   **Industry Landscape in Personalized Nutrition**
Mariëtte Abrahams, Qina

10:40 AM   **The Genetic Scale**
- **Denise Ney**, University of Wisconsin-Madison
- **Jim Kaput**, Vydiant
- **Ahmed El-Sohemy**, University of Toronto

11:15 AM   **The Physiology/Microbiome Scale**
- **Sarah Berry**, King's College London
- **Michal Rein**, Weizmann Institute of Science
- **Guru Banavar**, Viome

11:50 AM   **The Individual Scale**
- **Andres Acosta**, Mayo Clinic
- **Samantha Kleinberg**, Stevens Institute of Technology
- **Diana M. Thomas**, United States Military Academy at West Point

12:25 PM   **The Social-Ecological Scale**
- **Kayla de la Haye,** University of Southern California
- **Sean Duffy,** Omada Health
- **Michael Howell,** Google Health

1:00 PM   **ADJOURN SESSION 2**

Session 3 (August 12)

10:00 AM **Summary of Day 1 and Day 2**
Bruce Y. Lee, CUNY Graduate School of Public Health & Health Policy
Planning Committee Member

Session 3: Implementation of Precision and Personalized Nutrition
Moderator: **Robin McKinnon,** U.S. Food and Drug Administration
Planning Committee Member

10:15 AM **Will Precision Nutrition Help Us Achieve Greater Health Equity?**
Christina Roberto, University of Pennsylvania

10:30 AM **Challenges for Implementing Precision Nutrition**
Peter Lurie, Center for Science in the Public Interest

10:45 AM **Regulatory Perspective**
Rob Califf, Verily Life Science

11:00 AM **Commercializing Personal Nutrition**
Joshua Anthony, Nlumn

11:15 AM **Health Claims Communications to the Public**
Martin Hahn, Hogan Lovells

11:30 AM **Incorporating Precision Nutrition into Food-Based and Nutrient-Based Guidelines**
Patsy Brannon, Cornell University

11:45 PM **Q&A and Panel Discussion**

1:00 PM **ADJOURN SESSION 3**

The Food Forum convenes scientists, administrators, and policymakers from academia, government, industry, non-profits, professional societies, and consumer groups on an ongoing basis to issues related to food (including safety, regulation, systems, nutrition, and health) and identifying approaches to address them. It provides a unique way to identify areas of concordance among these diverse interest groups. It does not make recommendations, nor does it offer specific advice. It compiles information, develops options, and brings interested parties together.

The Food and Nutrition Board (FNB) established the Food Forum in 1993 to allow selected science and technology leaders in the food industry, top administrators in the federal government, representatives from consumer interest groups, and academicians to periodically discuss and debate food and food related issues openly and in a neutral setting. The Forum provides a mechanism for these diverse groups to identify possible approaches for addressing food and food safety problems and issues surrounding the often complex interactions among industry, academia, regulatory agencies, and consumers.

About the FNB: The FNB falls within the Health and Medicine Division of the National Academies of Sciences, Engineering, and Medicine. The Academies are private, nonprofit institutions that provide independent, objective analysis and advice to the nation to solve complex problems and inform public policy decisions related to science, technology, and medicine. The Academies operate under an 1863 congressional charter to the National Academy of Sciences, signed by President Lincoln.