

*The National Academies of*  
**SCIENCES • ENGINEERING • MEDICINE**

**Standing Committee on Evidence Synthesis, and Communications in Diet and Chronic Disease Relationships**

**Open Session Agenda**

Emerging tools and approaches to strengthening current nutrition science methodologies

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**March 29, 2021 (All times are Eastern Time)**

**1:00 pm**      **Welcome and Overview**  
*Virginia Stallings*

**1:05 pm**      **Broaden nutrition science through data from new sources**  
*During the month of March, the committee had the opportunity to hear from a diverse group of experts working on cutting edge methodologies with applications in nutrition science. Virginia Stallings will moderate this session which includes discussions of diverse sources of data.*

1:10 pm Data from emerging research designs  
*Discussants (15 min): Nik Schork; Dorothy Teegarden*  
*Questions from sponsors and other committee members*

1:40 pm Metabolomics data  
*Discussants (15 min): Lorraine Brennan; Alice Lichtenstein*  
*Questions from sponsors and other committee members*

2:10 pm Data from wearable devices and Image-assisted methods  
*Discussants (15 min): Linda Van Horn; Jamy Ard*  
*Questions from sponsors and other committee members*

*Discussants will lead the discussion with members and sponsors as they explore the following initial questions:*

- *What are examples that demonstrate the utility of these methods in strengthening nutrition science?*
- *What areas need improvements? What are the most promising areas?*

**2:45 pm**      **Break**

**3:00 pm**      **Data integration in nutrition science: challenges and opportunities**  
*During the month of March, the committee heard from experts on approaches to integrate diverse health-related data in nutrition and other health domains. Virginia Stallings will moderate this session on lessons learnt from these approaches and potential applications in the nutrition science.*

*Discussants (20 min): Bruce Y. Lee, Chirag Patel, Rodolphe Barrangou*  
*Questions from sponsors and other committee members*

*Discussants will lead the discussion with members and sponsors as they explore the following initial questions:*

- *What are the different methodological approaches for integrating health data? What are their advantages or disadvantages? What are some of the lessons from those approaches?*
- *How are these approaches applicable or not to answering questions related to the association between nutrition and chronic disease?*
- *What are the needs for making progress in these areas while maintaining scientific rigor and for communicating these approaches to the nutrition community?*

**4:00 pm      Break**

**4:15 pm      Final discussion- Identification of future opportunities in emerging tools and approaches**  
*Virginia Stallings*

**5:00 pm      Adjourn**