

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

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**