

# Frontiers in Microbiome-Gut-Brain Science

A Public Webinar from the Board on Life Sciences



TUESDAY, MAY 23, 2023

12:30pm–2:00pm EDT

## Frontiers in Microbiome-Gut-Brain Science

The goal of this discussion is to identify fundamental scientific and technological gaps and needs in neuroscience. This discussion will focus on the interplay between the brain and other physiological systems, specifically the microbiome-gut-brain axis. During the discussion, speakers will be asked to describe trends in their fields particularly as it relates to the microbiome-gut-brain axis, trends in wearable technologies to measure and/or manipulate brain activity, and effects from environmental conditions on the microbiome and brain axis. This discussion also will explore existing successes and opportunities in this field, critical challenges (e.g., technical, policy, and societal challenges), and emerging areas that could enhance research and/or its applications. Finally, speakers will discuss the implications of this research on human health, defense and national security, ethics, and other relevant fields. This discussion will be live webcast.

**Moderator:** Diane DiEuliis, National Defense University

**Speakers:**

Eran Blacher, The Hebrew University of Jerusalem  
Todd Coleman, Stanford University  
Rima Fathi Kaddurah-Daouk, Duke University  
Anumantha Kanthasamy, University of Georgia  
Olivia F. O'Leary, University of Cork

2:00pm EDT

**Adjourn**

