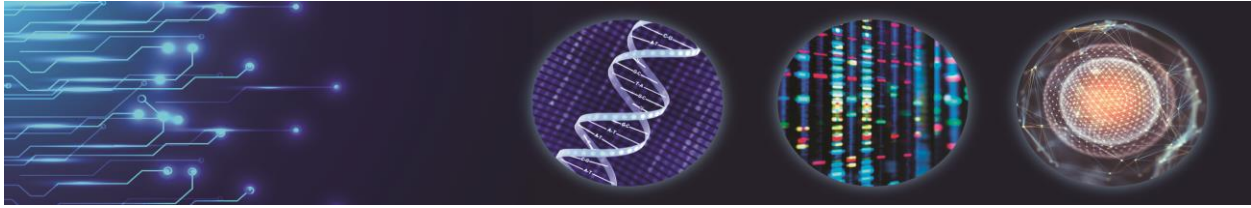


The National Academies of
SCIENCES • ENGINEERING • MEDICINE



Cutting Edge Scientific Capabilities for Biological Detection

Agenda
January 2022

A Virtual Workshop of
The Standing Committee on Biotechnology Capabilities and National Security Needs

ALL TIMES LISTED ARE IN EASTERN TIME. AGENDA MAY BE UPDATED WITH ADDITIONAL SPEAKERS AND SESSIONS

This workshop will explore cutting-edge biotechnologies and research being developed or applied to **biological detection**. Sessions will explore new and emerging advances in and applications of these biotechnologies and research activities; the innovation ecosystem that is driving the research, development, and application of these technologies; and critical societal implications that must be considered in the adoption and translation of such biotechnologies. Discussions will also explore workforce needs, infrastructure, and policy and governance associated with development and use of the **biological detection** research and technologies.

Open Session: Friday, January 28, 2:00-3:00 PM ET

Discussion of the Impending Impact of Pervasive Brain-monitoring Technology

- **Diane DiEuliis**, National Defense University (moderator)
- **Jonathan Berent**, NextSense
- **Allan Levey**, Emory University

Discussion Questions:

1. What is the technology and what are the intended uses or applications of your work/technology?
2. Of those, which are traditional and which are the most “out of the box”?
3. What is the timeline to completion of these applications? What are the knowledge gaps or technical requirements that would affect these timelines?
4. If these new uses are successful, what are the potential ethical, legal, societal, and/or safety and security issues you might be facing or considering?
5. Are there essential workforce and infrastructure needs to achieve the applications?
6. Scenario question: If you had \$5 m over three years...what would you do with it?

Closed Session: Friday, January 28, 3:00-4:00 PM ET

Standing Committee Discussion