

# Assessing and Navigating Biosecurity Concerns and Benefits of Artificial Intelligence Use in the Life Science

Board on Life Sciences | Computer Science & Telecommunications Board | Committee on International Security and Arms Control

TUESDAY OCTOBER 1, 2024

\*ALL TIMES IN EASTERN TIME

**Purpose** **Open**

The National Academies of Sciences, Engineering, and Medicine Committee on Assessing and Navigating Biosecurity Concerns and Benefits of Artificial Intelligence Use in the Life Sciences is hosting an information gathering meeting. The sessions will feature presentations relevant to the study including current scientific understanding of transmissible biological agents, AI-enabled tools in countermeasures development, and high-performance computing.

For more information, please visit the [study page](#).

**9:00** **Welcome**

Michael Imperiale & Lynda Stuart, Co-Chairs

**9:05-9:30** **Understanding Pathogenesis of Transmissible Biological Agents and Impact of AI**  
Arturo Casadevall, Johns Hopkins University

**9:30-10:30** **Closed Committee Discussion**

**10:30-11:15** **Opportunities to Use AI in Medical Countermeasures Development**  
Jason McLellan, University of Texas at Austin  
Emanuele Andreano, Biotecnopolis di Siena Foundation

**11:15-11:30** **BREAK**

**11:30-12:00** **High Performance Computing in the Life Sciences**  
Benjamin Brown, Advanced Scientific Computing Research, Department of Energy

**12:00** **END OPEN SESSION**