

Assessing and Navigating Biosecurity Concerns and Benefits of Artificial Intelligence Use in the Life Sciences - August Information Gathering Meeting



AGENDA

Purpose

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 open sessions of this information gathering meeting will feature presentations and panel discussions relevant to the study including AI and biological design tools applications in the life sciences, implications of AI and biological data in biosecurity, and how AI can be used to mitigate potential biosecurity risks.

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

TUESDAY, AUGUST 13, 2024

ALL TIMES IN U.S. EASTERN

CLOSED SESSION

8:30–9:15 AM

Committee Discussion

OPEN SESSION

9:30 AM –12:00 PM ET

The Convergence of AI and Biology

9:30 AM

John Jumper, Google DeepMind

10:00 AM

Eric Horvitz, Microsoft

10:30 AM

Yana Bromberg, Emory University

11:00 AM

Sean Ekins, Collaborations Pharmaceuticals

11:30 AM

David Baker, Institute for Protein Design, University of Washington

Assessing and Navigating Biosecurity Concerns and Benefits of Artificial Intelligence Use in the Life Sciences - August Information Gathering Meeting

12:00-1:00 PM

Lunch

1:00–2:15 PM

Panel: GenAI Tools and Techniques For Biology

Kathy Wei, 310 AI
Mengdi Wang, Princeton University
Dan Hendrycks, Center for AI Safety

2:30–4:00 PM

Panel: Understanding Pathogenesis of Transmissible Biological Agents and AI

Craig Wilen, Yale University
Sarah Richardson, Industrial Biotechnologist
Andrew Pekosz, Johns Hopkins University
Pardis Sabeti, Harvard University

CLOSED SESSION

4:30-6:00 PM

Committee Discussion

END OF DAY 1

WEDNESDAY, AUGUST 14, 2024

CLOSED SESSION

9:00 –10:45 AM ET

Committee Discussion

OPEN SESSION

11:00 AM –12:00 PM

Data Security Implications for Biological Data

Bo Li, University of Chicago
Jennifer Roberts, ARPA-H

12:00–12:30 PM

Opportunities to Use AI in Pandemic Countermeasures Development

Jimmy Gollihar, Houston Methodist Research Institute

12:30–1:30 PM

Lunch

CLOSED SESSION

1:30–4:30 PM

Committee Discussion

Assessing and Navigating Biosecurity Concerns and Benefits of Artificial Intelligence Use in the Life Sciences -
August Information Gathering Meeting

4:30pm

Adjourn

END OF DAY 2