

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

**Committee on Ethical, Legal, and Regulatory Issues Associated with
Neural Chimeras and Organoids**

Virtual Meeting
August 10-11, 2020

AGENDA

Monday, 10 August 2020

Framing Questions for Meeting Discussions:

- *How would researchers define or identify enhanced or human awareness in a chimeric animal?*
- *Do research animals with enhanced capabilities require different treatment compared to typical animal models? What are appropriate disposal mechanisms for such models?*
- *How large or complex would the ex vivo brain organoids need to be to attain enhanced or human awareness?*

1:00 pm	Welcome, Introductions, and Meeting Overview
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Committee Co-Chairs: **Bernard Lo**, The Greenwall Foundation (retired)
Joshua Sanes, Harvard University

1:05 pm	Consciousness and Awareness
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Speakers: **Anil Seth**, University of Sussex
Christof Koch, Allen Institute for Brain Science
Eva Jablonka, Tel-Aviv University

1:45 pm	Q&A with Committee
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2:30 pm	Break
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2:45 pm	Understanding and Measuring Consciousness in Animals
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Speakers: **David DeGrazia**, George Washington University
Frans B. M. de Waal, Emory University

3:15 pm	Q&A with Committee
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4:00 pm	States of Consciousness in Humans
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Speakers: **Emery Brown**, Massachusetts Institute of Technology
Brian Edlow, Massachusetts General Hospital

4:30 pm	Q&A with Committee
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5:30 pm	Adjourn
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Tuesday, 11 August 2020

12:00 pm*	Welcome
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Committee Co-Chairs: **Bernard Lo**, The Greenwall Foundation (retired)
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12:05 pm	Understanding and Measuring Pain in Animals
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Speakers: **Megan Albertelli**, Stanford University
Allan Basbaum, University of California, San Francisco

12:35 pm	Q&A with Committee
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1:15 pm	Adjourn to Closed Session
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*All times U.S. Eastern