

*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	<b>Welcome, Introductions, and Meeting Overview</b>
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Committee Co-Chairs: **Bernard Lo**, The Greenwall Foundation (retired)  
**Joshua Sanes**, Harvard University

1:05 pm	<b>Consciousness and Awareness</b>
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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	<b>Q&amp;A with Committee</b>
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2:30 pm	<b>Break</b>
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2:45 pm	<b>Understanding and Measuring Consciousness in Animals</b>
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Speakers: **David DeGrazia**, George Washington University  
**Frans B. M. de Waal**, Emory University

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

4:30 pm	<b>Q&amp;A with Committee</b>
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5:30 pm	<b>Adjourn</b>
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**Tuesday, 11 August 2020**

12:00 pm*	<b>Welcome</b>
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Committee Co-Chairs: **Bernard Lo**, The Greenwall Foundation (retired)  
**Joshua Sanes**, Harvard University

12:05 pm	<b>Understanding and Measuring Pain in Animals</b>
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Speakers: **Megan Albertelli**, Stanford University  
**Allan Basbaum**, University of California, San Francisco

12:35 pm	<b>Q&amp;A with Committee</b>
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1:15 pm	<b>Adjourn to Closed Session</b>
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\*All times U.S. Eastern