

**Brain Research through Advancing Innovative Neurotechnologies® (BRAIN)
Multi-Council Working Group (MCWG) – Neuroethics Workgroup Meeting**

Agenda – Tuesday, February 9, 2016

National Institutes of Health
6001 Executive Boulevard, Rockville, MD
Conference Rooms A1/A2

- 8:30 am **Welcome and Introductions**
Walter Koroshetz, MD, NINDS
- 9:00 am **Update on Complementary Neuroethics Efforts**
Neuroethics Workgroup members
- 9:20 am **Overview of the Day**
Khara Ramos, PhD, NINDS
- 9:30 am **BrainGate: Toward a Fully Implantable, Intracortical Brain-Computer Interface**
Leigh Hochberg, MD, PhD, MGH and Brown
- 9:45 am **Neurophysiologically-Based Brain State Tracking & Modulation in Focal Epilepsy**
Gregory Worrell, MD, PhD, Mayo Clinic
- 10:00 am **Ethical Considerations in the Study of Deep Brain Stimulation in the Central Nervous System to Treat Cognitive Impairment Following Traumatic Brain Injuries**
Nicholas Schiff, MD, and Joseph Fins, MD, Weill Cornell
- 10:15 am **Discussion**
Moderated by Christine Grady, MSN, PhD, NIH
- 10:35 am **BREAK**
- 11:00 am **Ethical Issues in Human Intracranial Neurophysiology Research**
Edward Chang, MD, UCSF
- 11:15 am **Penn Restoring Active Memory Program**
Michael Kahana, PhD, U Penn

- 11:30 am **Discussion**
Moderated by Hank Greely, JD, Stanford
- 11:45 am **Background and update on MCWG and BRAIN Neuroethics Workgroup**
Christine Grady, MSN, PhD, NIH
- 12:10 pm **BREAK (to get food and return for working lunch)**
- 12:30 pm **WORKING LUNCH: Prioritization of Issues: 1) Broad Areas of Ethical Concern; 2) Guidance Documents; 3) Topics for Neuroethics Research**
Christine Grady, MSN, PhD, NIH, and Hank Greely, JD, Stanford
- 1:50 pm **BREAK**
- 2:15 pm **NIH/NSF/DARPA/IARPA/FDA Panel Discussion**
How might each agency contribute to the broader effort to advance neuroethics?
- 3:00 pm **Determining Workgroup Next Steps: Goals and Deliverables**
Christine Grady, MSN, PhD, NIH, and Hank Greely, JD, Stanford
- 4:10 pm **Future Workgroup Schedule/Process**
Khara Ramos, PhD, NINDS
- 4:25 pm **Closing Remarks**
Walter Koroshetz, MD, NINDS
- 4:30 pm **ADJOURN**