

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

Agenda – Wednesday, August 16, 2017

National Institutes of Health
31 Center Dr, Bethesda, MD
Conference Room 31/6C Room 6

OPEN SESSION

- 8:30 am **Welcome and Introductions**
Walter Koroshetz, MD, NINDS
- 9:00 am **Roundtable Updates**
Neuroethics Division members
- 9:30 am **Updates from Federal BRAIN Partners**
NSF, FDA, IARPA, DARPA
- 10:00 am **Neuroethics Guiding Principles for the NIH BRAIN Initiative**
Neuroethics Division members
- 11:00 am **BREAK**

CLOSED SESSION

- 11:15 am **Introduction to noninvasive brain stimulation**
Mark Hallett, MD, NINDS
- 11:40 am **Ultrasound-based neurostimulation/neuromodulation**
Kim Butts Pauly, PhD, Stanford University
- 11:55 am **Targeted stimulation to enhance replay using active closed-loop therapy (TSERACT)**
Stephen Simons, PhD, Teledyne Scientific & Imaging
- 12:10 pm **Discussion**
Moderated by Hank Greely, JD, Stanford Law School
- 12:40 pm **LUNCH**
- 1:20 pm **Brain-behavior quantification concept – neuroethical considerations**
Sarah H. Lisanby, MD, NIMH

- 1:45 pm **Title TBD**
Alvaro Pascual-Leone, MD, PhD, Harvard University
- 2:00 pm **Noninvasive neuromodulation via focused ultrasonic drug uncaging**
Raag Airan, MD, PhD, Stanford University
- 2:15 pm **Discussion**
Moderated by Christine Grady, MSN, PhD, NIH
- 2:45 pm **BREAK**
- 3:15 pm **Brain stimulation as a double-edged sword**
Roi Cohen Kadosh, PhD, University of Oxford
- 3:30 pm **Noninvasive brain stimulation with fewer side effects**
Angel Peterchev, PhD, Duke University
- 3:45 pm **Discussion**
Moderated by Christine Grady, MSN, PhD, NIH
- 4:15 pm **Recap of May neuroethics workshop**
Nita Farahany, JD, PhD, Duke University
- 4:45 pm **Programmatic update**
- 5:00 pm **ADJOURN**