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