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**