Judicial Seminar on Emerging Issues in Neuroscience

Sponsored by the American Association for the Advancement of Science, the Federal Judicial Center, the National Center for State Courts, the American Bar Association Judicial Division, and the Dana Foundation

AAAS Headquarters
12th and H streets, NW, Washington, D.C.
October 5-6, 2015

AGENDA

DAY 1, October 5

8:15 a.m.  Continental Breakfast at AAAS

8:45 a.m.  Welcome and Introductions
Mark S. Frankel (AAAS), Brenda Baldwin White (FJC) and Barbara Rich (Dana Foundation)

9:00 a.m.  Neuroanatomy, Neuroscience Methods and Technology
Thos Cochrane, Harvard University, will provide an overview of the technologies and methods used in brain research and what they can tell us.

10:30 a.m.  Break

11:00 a.m.  The Neuroscience of Pain
Dan Clauw, University of Michigan, will discuss what happens in the brain when a person experiences pain.

12:15 a.m.  Lunch

1:15 p.m.  The Neuroscience of Memory
Craig Stark, University of California, Irvine, will discuss the formation of memory and whether it may be possible to distinguish “true” memories from “false” ones and whether deception can be detected using imaging technology.

2:30 p.m.  Break

3:00 p.m.  Coma and the Vegetative and Minimally Conscious States
Michael Williams, LifeBridgeHealth, Baltimore, will describe the physiology of impaired states of consciousness and discuss the ethical and legal issues regarding life sustaining interventions.

4:15 p.m.  Adjourn for the day
6:30 p.m.  Group Dinner at Bibiana

**DAY 2, October 6**

9:00 a.m.  Continental Breakfast at AAAS

9:30 a.m.  The Neuroscience of Violence
            Joshua Buckholtz, Harvard University, will discuss what we know about the neuroscience related to violent offenders and what this knowledge might contribute to legal determinations.

10:45 a.m.  Break

11:00 a.m.  The Neuroscience of Substance Dependence
            Jodi Gilman, Harvard University, will discuss what effects substance dependence has on the brain and how dependence can be treated.

12:15 a.m.  Lunch

1:15 p.m.  The Neuroscience of Dementia
            Dorene Rentz, Harvard University, will discuss the changes that occur in the brain with degenerative diseases, such as Alzheimer’s.

2:30 p.m.  Closing Comments

2:45 p.m.  Adjourn