

Judicial Seminar on Emerging Issues in Neuroscience

Madison, Wisconsin
June 2-3, 2014

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

Hosted by the University of Wisconsin-Madison Neuroscience and Public Policy Program and Law School

Agenda

Day 1, June 2

- 8:00 a.m.** **Depart hotel. Meet in hotel lobby to board shuttle.**
- 8:15 a.m.** **Continental Breakfast, Lubar Commons**
- 8:45 a.m.** **Welcome and Introductions**
Mark S. Frankel (AAAS), **Margaret Raymond** (University of Wisconsin) 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**
- 10:45 a.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.
- 12:00 p.m.** **Lunch, University Club**
- 1:15 p.m.** **Neuroscience in the Courts**
Carter Snead, Notre Dame University, will discuss the ways in which information about neuroscience is currently entering the courts and what we can expect in the future.
- 2:30 p.m.** **The Neuroscience of Pain**
Dan Clauw, University of Michigan, will focus on what neuroscience research can tell us about the causes and treatment pain.

3:45 p.m. Adjourn for the day. A shuttle will return you to the hotel.

6:40 p.m. Meet in hotel lobby to walk to dinner.

7:00 p.m. Group Dinner at Harvest Restaurant

Day 2, June 3

8:15 a.m. Depart hotel. Meet in hotel lobby to board shuttle.

8:30 a.m. Continental Breakfast, Lubar Commons

9:00 a.m. The Neuroscience of Violence
Jordan Grafman, Northwestern University, will discuss the methods of psychiatric diagnoses of violent offenders and what they might contribute to legal determinations.

10:15 a.m. Break

10:15 a.m. The Neuroscience of Memory and Deception
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.

11:45 a.m. Lunch, University Club

1:00 p.m. The Neuroscience of Aging
Dorene Rentz, Harvard University, will discuss the normal changes that occur in the brain with aging, as well as degenerative diseases, such as Alzheimer’s.

2:15 p.m. Break

2:30 p.m. The Neuroscience of Substance Dependence
Richard Brown, University of Wisconsin-Madison, will discuss the neurobiological bases of drug dependence and its treatment.

3:45 p.m. Closing comments

4:00 p.m. Adjourn. Shuttle will return to hotel.