

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, Sandra Day O'Connor
College of Law at Arizona State University, and the Dana Foundation**

**Arizona State University
SkySong
Scottsdale, Arizona
March 28-29, 2011**

AGENDA

DAY 1, March 28

- 7:40 a.m.** **Depart hotel for SkySong. Meet in the hotel lobby to board bus.**
- 8:00 a.m.** **Continental Breakfast (Room Imagination 249)**
- 8:45 a.m.** **Welcome and Introductions (Room Global 201)**
Mark S. Frankel (AAAS), and Gary Marchant (Arizona State University)
- 9:00 a.m.** **Neuroanatomy, Neuroscience Methods and Technology**
Michael Rafii, University of California, San Diego, 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.** **Neuroscience in the Courts**
Nita Farahany, Vanderbilt University School of Law, will discuss the ways in which information about neuroscience is currently entering the courts and what we can expect in the future.
- 12:00 p.m.** **Lunch (Imagination 249)**
- 1:15 p.m.** **The Neuroscience of Substance Dependence**
Carlton Erickson, University of Texas, Austin, will discuss the neurobiological bases of drug dependence.
- 2:30 p.m.** **Coma and the Vegetative and Minimally Conscious States**
Dan Larriviere, University of Virginia, will describe the physiology of impaired states of consciousness and discuss the ethical and legal issues regarding life sustaining interventions.
- 3:45 p.m.** **Break**

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- 4:00 p.m. Brain Injury, Disability, Recovery and Assessment**
Kathleen Bell, University of Washington, will address how brain impairment is diagnosed, how its effect on everyday functioning is assessed, and to what extent therapy can minimize the negative effects of brain injury or disease.
- 5:15 p.m. Adjourn for the day. A bus will transport the group back to the hotel.**
- 6:45 p.m. Depart for dinner. Meet in hotel lobby to board bus.**
- 7:00 p.m. Group Dinner at Rancho Pinot**

DAY 2, March 29

- 8:00 a.m. Depart hotel for Skysong. Meet in the hotel lobby to board bus.**
- 8:30 a.m. Continental Breakfast (Imagination 249)**
- 9:00 a.m. The Neuroscience of Pain (Global 201)**
Larry Driver, M.D. Anderson Cancer Center, Houston, will focus on what neuroscience research can contribute to developing an objective basis for assessing pain.
- 10:15 a.m. Break**
- 10:30 a.m. Violence and the Brain**
Jordan Grafman, Kessler Foundation Research Center, New Jersey, will discuss neurobiological factors that predispose to crime and violence, and what implications this research may have for punishment, responsibility, and treatment.
- 11:45 a.m. Lunch (Imagination 249)**
- 1:00 p.m. The Neuroscience of True, False, and Imaginary Memories**
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. Closing comments**
- 2:45 p.m. Adjourn**
- 3:00 p.m. Bus leaves for hotel.**