

Judicial Seminar on Emerging Issues in Neuroscience

Sponsored by

American Association for the Advancement of Science, Federal Judicial Center, National Center for State Courts, James A. Baker III Institute for Public Policy, Rice University, and the Dana Foundation

**Houston, Texas
October 6-7, 2008**

AGENDA

DAY 1, October 6

- 8:00 a.m. Continental Breakfast**
- 8:45 a.m. Welcome and Introductions**
Mark S. Frankel (AAAS), **Kirstin Matthews** (Baker Institute), and **Barbara Rich** (Dana Foundation)
- 9:00 a.m. Neuroanatomy, Neuroscience Methods and Technology**
Marcus Raichle, Washington University, St. Louis, 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**
Carter Snead, Notre Dame University School of Law, will review how the courts view neuroscience evidence with respect to admissibility and use at trial and at post-trial proceedings.
- 11:45 a.m. Lunch**
- 12:45 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.
- 2:00 p.m. Adolescent Brain**
Shoshana Eitan, Weizmann Institute, Israel/Texas A&M University, will focus on how the brain develops and the ways in which the adolescent brain differs from the adult brain.
- 3:15 p.m. Break**
- 3:45 p.m. Neuroscience of Deception**
Craig Stark, University of California, Irvine, will discuss whether deception can be detected using imaging technology.
- 5:00 p.m. Adjourn for the day**

6:30 p.m. Group Dinner

DAY 2, October 7

8:30 a.m. Continental Breakfast

9:00 a.m. Violence and the Brain

Jordan Grafman, National Institutes of Health, will discuss the neurobiological bases of violence.

10:15 a.m. Break

10:30 a.m. The Neuroscience of Pain

Larry Driver, M.D. Anderson Cancer Center, Houston, will focus on what neuroscience research can contribute to developing an objective basis for assessing pain.

11:45 p.m. Lunch

1:00 p.m. The Neuroscience of Drug Dependence

Carlton Erickson, University of Texas-Austin, College of Pharmacy, will discuss the neurobiological bases of drug dependence.

2:15 p.m. Break

2:30 p.m. Comatose, Vegetative, and Minimally Conscious States

Jose Suarez, Baylor College of Medicine, will describe the physiology of impaired states of consciousness.

3:45 p.m. Closing comments and departing treats