

Judicial Seminar on Emerging Issues in Neuroscience

The DANA Center, Washington, DC
June 29-30, 2006

AGENDA

DAY 1, June 29

- 8:30 a.m. Welcome and Introductions**
Albert H. Teich (AAAS), Barbara J. Rothstein (FJC), Nicole Waters (NCSC), Edward F. Rover (Dana Foundation)
- 9:00 a.m. Neuroscience Methods and Technology**
David J. Heeger, New York University, will provide an overview of the technologies and methods used in brain research and what they can tell us.
- 10:15 a.m. Break**
- 10:30 a.m. Panel on Evaluating Science**
A scientist, lawyer and a judge will address the distinctions between “good” and “bad” science and how that relates to admissibility in court proceedings. In other words, what should judges look for when considering the admissibility of neuroscience evidence?
- O. Carter Snead, Notre Dame School of Law
- Barbara J. Rothstein, United States District Court for the Western District of Washington and Director of the Federal Judicial Center
- David J. Heeger
- 12:00 noon Lunch**
- 1:00 p.m. The Neuroscience of Moral Decisions**
Joshua Greene, Harvard University, will describe research on moral decision-making and its implications for criminal responsibility.
- 2:15 p.m. Break**
- 2:30 p.m. Cognition and Decision-Making**
P. Read Montague, Baylor College of Medicine, will discuss what neuroscience tells us about how people process information and make

decisions, including the effect of emotion and social factors on human learning and behavior.

3:45 p.m. Board Bus

4:00 p.m. Bus Departs for Field Trip to National Institutes of Health
Tours of the Laboratory of Brain and Cognition and the Functional Magnetic Resonance Imaging Facility at the National Institutes of Health to view the current state-of-the-art in scanning technology.

6:00 p.m. Group Dinner at Stone House, NIH

DAY 2, June 30

8:45 a.m. Violence and the Brain
Monte S. Buchsbaum, Mount Sinai School of Medicine, will report on research on the neurobiological bases of antisocial and violent behavior.

10:15a.m. Break

10:30 a.m. Brain Death and States of Consciousness
Laurence Tancredi, New York University School of Medicine, will address how neuroscience could change the way we think about brain death or about permanent vegetative states.

12:00 p.m. Case Studies
Case studies illustrating the uses of neuroscience will be presented. The judges will be actively involved in considering the legal/evidential issues raised by the cases.

During the lunch break, the judges will assemble in small groups to discuss the cases.

12:30 p.m. Lunch and Small Group Discussions

1:30 p.m. Feedback from Small Groups and Discussion

2:30 p.m. Panel on Memory and Lie Detection
Neuroscience research is exploring the formation of memory and whether it may be possible to distinguish “true” memories from “false” ones. This research could have implications for pre-trial investigations, evidence admissibility, trial testimony, and perjury charges.

Daniel Schacter, Harvard University (Memory)

Jennifer Vendemia, University of South Carolina (Lie Detection)

4:00 p.m. Closing comments, departing treats, and adjournment