

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

James A. Byrne Federal Courthouse
Philadelphia, Pennsylvania
October 31-November 1, 2011

AGENDA

DAY 1, October 31

- 7:40 a.m.** For those staying at the hotel, meet in the lobby to walk to courthouse. Enter courthouse at the 6th Street entrance.
- 8:00 a.m.** Continental Breakfast in Robing Room, 1st floor
- 8:45 a.m.** Welcome and Introductions in Ceremonial Courtroom
Mark S. Frankel (AAAS), **Honorable Lawrence Stengel** (Eastern District of Pennsylvania), and **Barbara Rich** (Dana Foundation)
- 9:00 a.m.** Neuroanatomy, Neuroscience Methods and Technology
Kevin LaBar, Duke University, will provide an overview of brain anatomy and function, as well as 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, University of Notre Dame Law School, 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
- 1:15 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” or “imaginary” ones using imaging technology.
- 2:30 p.m.** Brain Injury and Recovery
John Whyte, Moss Rehabilitation Research Institute, Elkins Park, Pennsylvania, will describe various types of brain injury and the potential for recovery.
- 3:45 p.m.** Break

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- 4:00 p.m. The Neuroscience of Mental Illness**
Daphne Holt, Harvard Medical School, will focus on the neuroscientific basis of mental illness.
- 5:15 p.m. Adjourn for the day.**
- 6:15 p.m. Depart for dinner. Meet in the lobby to walk to restaurant.**
- 6:30 p.m. Group Dinner at Amada Restaurant**

DAY 2, November 1

- 8:10 a.m. Meet in hotel lobby to walk to courthouse.**
- 8:30 a.m. Continental Breakfast**
- 9:00 a.m. The Neuroscience of Addiction**
Chuck O'Brien, University of Pennsylvania, will discuss the neurobiological bases of drug dependence.
- 10:15 a.m. Break**
- 10:30 a.m. The Criminal Mind**
Adrian Raine, University of Pennsylvania, 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**
- 1:00 p.m. Coma and the Vegetative and Minimally Conscious States**
Michael Williams, Brain and Spine Institute, Sinai Hospital, Baltimore, will describe the physiology of impaired states of consciousness and discuss the ethical and legal issues regarding life sustaining interventions.
- 2:15 p.m. Break**
- 2:30 p.m. Adolescent Brain**
Abigail Baird, Vassar College, will focus on how the brain develops and the ways in which the adolescent brain differs from the adult brain.
- 3:45 p.m. Closing comments**
- 4:00 p.m. Adjourn**