

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, and hosted by Washington University in St. Louis

Washington University

St. Louis, Missouri

June 3-4, 2010

AGENDA

DAY 1, June 3

- 8:00 a.m.** **Continental Breakfast outside room 340. Hot breakfast items available in 2nd floor break area.**
- 8:45 a.m.** **Welcome and Introductions**
Mark S. Frankel (AAAS), **Edward Macias**, (Washington University), **Rebecca Dresser** (Washington University School of Law) and **Barbara Rich** (Dana Foundation)
- 9:00 a.m.** **Neuroanatomy, Neuroscience Methods and Technology**
Thomas Woolsey, Washington 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.** **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 in Anheuser Busch Dining Hall on 3rd floor**
- 1:15 p.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.
- 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. 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.
- 5:15 p.m. Adjourn for the day.**
- 6:45 p.m. Depart for dinner. Meet in Knight Center lobby to board shuttle.**
- 7:00 p.m. Group Dinner**

DAY 2, June 4

- 8:30 a.m. Continental Breakfast outside room 340. Hot breakfast items available in 2nd floor break area.**
- 9:00 a.m. The Neuroscience of Dementia**
Mary Ganguli, University of Pittsburgh Medical Center, will describe the neurological bases for the dementias.
- 10:15 a.m. Break**
- 10:30 a.m. Forensic Psychiatry and the Violent Offender**
Mark Mills, Columbia University, will discuss the methods of psychiatric diagnoses of violent offenders and what they might contribute to legal determinations.
- 11:45 p.m. Lunch in Anheuser Busch Dining Hall on 3rd floor**
- 1:00 p.m. The Neuroscience of Substance Dependence**
Carlton Erickson, University of Texas, Austin, will discuss the neurobiological bases of drug dependence.
- 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**