

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

Hosted by the Oregon Health & Science University Brain Institute

**Portland, Oregon
October 28-29, 2013**

AGENDA

DAY 1, October 28

- 8:00 a.m.** **Depart hotel. Meet in hotel lobby to board shuttle.**
- 8:15 a.m.** **Continental Breakfast in Old Library 217, OHSU Campus**
- 8:45 a.m.** **Welcome and Introductions**
Mark S. Frankel (AAAS), Dan Dorsa (VP for Research, OHSU), and Barbara Rich (Dana Foundation)
- 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.** **The Neuroscience of Substance Dependence**
Robert Hitzemann, Oregon Health Science University, will discuss the neurobiological bases of drug dependence.
- 12:00 p.m.** **Lunch**
- 1:15 p.m.** **Neuroscience in the Courts**
Hank Greely, Stanford University, will discuss the ways in which information about neuroscience is currently entering the courts and what we can expect in the future.
- 2:30 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.
- 3:45 p.m.** **Break**

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- 4:00 p.m. The 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.
- 5:15 p.m. Adjourn for the day. A shuttle will return you to the hotel.**
- 6:30 p.m. Meet in hotel lobby for shuttle to dinner.**
- 7:00 p.m. Group Dinner at Portland City Grill**

DAY 2, October 29

- 7:45 a.m. Depart hotel. Meet in hotel lobby to board shuttle.**
- 8:00 a.m. Continental Breakfast in Old Library 217, OHSU**
- 8:30 a.m. Coma and the Vegetative and Minimally Conscious States**
Michael Williams, LifeBridgeHealth, Baltimore, will describe the physiology of impaired states of consciousness and discuss the ethical and legal issues regarding life sustaining interventions.
- 9:45a.m. Break**
- 10:15 a.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.
- 11:45 a.m. Lunch**
- 1:00 p.m. The Neuroscience of Violence**
Monte Buchsbaum, University of California, San Diego, will discuss the methods of psychiatric diagnoses of violent offenders and what they might contribute to legal determinations.
- 2:15 p.m. Break**
- 2:30 p.m. The Neuroscience of Mental Illness**
Christopher Lockey, Oregon Science and Health University, will focus on what neuroscience research can tell us about the causes of mental illness and its treatment.
- 3:45 p.m. Closing comments**
- 4:00 p.m. Adjourn. Shuttle will return to hotel.**