

## **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 Center for the Neurobiology of Learning and Memory and the Newkirk Center for Science and Society, University of California, Irvine  
June 22-23, 2015**

### **AGENDA\***

#### **DAY 1, June 22**

- 7:45 a.m. Meet in lobby and depart hotel**
- 8:15 a.m. Continental Breakfast, Conferee Break Area**
- 8:45 a.m. Welcome and Introductions**  
**Mark S. Frankel** (AAAS), and **Elizabeth Loftus**, Distinguished Professor of Social Ecology and Professor of Law and Cognitive Science, University of California, Irvine, **Simon Cole**, Director, The Newkirk Center for Science & Society.
- 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 Pain**  
**Mark Wallace**, University of California, San Diego, will discuss what happens in the brain when a person experiences pain.
- 12:00 p.m. Lunch**
- 1:15 p.m. Adolescent Brain**  
**Jennifer Pfeifer**, University of Oregon, will discuss the changes in the brain and behavior during adolescence.
- 2:30 p.m. Break**
- 2:45 p.m. The Neuroscience of Substance Dependence**  
**Jodi Gilman**, Harvard University, will discuss what effects substance dependence has on the brain and how dependence can be treated.

**\*Seminar sessions will be in the Herklotz Research Facility, which is room 300 in Building 506 (Qureshey Research Laboratory) on the Irvine campus.**

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- 4:00 p.m.      Adjourn for the day**
- 6:30 p.m.      Meet in hotel lobby for shuttle to dinner**
- 7:00 p.m.      Group Dinner at True Food Kitchen**

**DAY 2, June 23**

- 8:00 a.m.      Meet in lobby and depart hotel**
- 8:30 a.m.      Continental Breakfast**
- 9:00 a.m.      The Neuroscience of Psychosis**  
**Daniel Mathalon**, University of California, San Francisco, will discuss our current knowledge about the brains of people with psychosis.
- 10:15 a.m.      Break**
- 10:30 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**  
**Jordan Grafman**, Northwestern University, will discuss what we know about the neuroscience related to violent offenders and what this knowledge might contribute to legal determinations.
- 2:15 p.m.      Break**
- 2:30 p.m.      The Neuroscience of Dementia**  
**Bruce Miller**, University of California, San Francisco, will discuss the changes that occur in the brain with degenerative diseases, such as Alzheimer’s.
- 3:45 p.m.      Closing comments**
- 4:00 p.m.      Adjourn**