

## **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 the Ochsner Medical Center**

**Ochsner Medical Center  
New Orleans, Louisiana  
June 28-29, 2012**

### **AGENDA**

#### **DAY 1, June 28**

- 7:15 a.m.**      **Meet in hotel lobby to board shuttle to Ochsner**
- 8:00 a.m.**      **Continental Breakfast**
- 8:45 a.m.**      **Welcome and Introductions**  
**Mark S. Frankel** (AAAS), **Kenneth J. Gaines**, Ochsner Medical Center, and  
**Barbara Rich** (Dana Foundation)
- 9:00 a.m.**      **Neuroanatomy, Neuroscience Methods and Technology**  
**Thos Cochrane**, Harvard University, will provide an overview of how the brain  
works and 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 Dementia**  
**Mary Ganguli**, University of Pittsburgh Medical Center, will describe the  
neurological bases for the dementias
- 12:00 p.m.**      **Lunch**
- 1:15 p.m.**      **Coma and the Vegetative and Minimally Conscious States**  
**Dan Larriviere**, Ochsner Medical Center, will describe the physiology of impaired  
states of consciousness and discuss the ethical and legal issues regarding life  
sustaining interventions.
- 2:30 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.
- 3:45 p.m.**      **Break**

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- 4:00 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.
- 5:15 p.m. Adjourn for the day.**
- 6:45 p.m. Meet in hotel lobby to walk to dinner**
- 7:00 p.m. Group Dinner at GW Fins Restaurant**

**DAY 2, June 29**

- 7:45 a.m. Meet in hotel lobby to board shuttle to Ochsner**
- 8:30 a.m. Continental Breakfast**
- 9:00 a.m. The Neuroscience of Substance Dependence**  
**Charles O'Brien**, University of Pennsylvania, will discuss the neurobiological bases of drug dependence.
- 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. 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.
- 2:15 p.m. Break**
- 2:30 p.m. The Neuroscience of Psychotic Disorders**  
**Elaine Walker**, Emory University, will discuss the neurological bases of psychotic disorders.
- 3:45 p.m. Closing Comments**
- 4:00 p.m. Adjourn**