

# 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 Yerkes National Primate Research Center of Emory University

Atlanta, Georgia  
April 11-12, 2013

## AGENDA

### DAY 1, April 11

- 7:40 a.m.** Meet in hotel lobby for shuttle to seminar.
- 8:00 a.m.** Continental Breakfast in Bourne Seminar Room, Yerkes National Primate Research Center
- 8:45 a.m.** Welcome and Introductions  
Mark S. Frankel (AAAS), Stuart Zola (Emory University), and Barbara Rich (Dana Foundation)
- 9:00 a.m.** Neuroanatomy, Neuroscience Methods and Technology  
Thos Cochrane, Harvard University, will provide an overview of brain anatomy and function and 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, Duke University, 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 Neuroscience Research Facility Seminar Room, Yerkes National Primate Research Center
- 1:15 p.m.** The Neuroscience of Substance Use Disorders  
Carlton Erickson, University of Texas, Austin, will discuss the neurobiological bases of drug dependence.
- 2:30 p.m.** Brain Damage and Recovery  
Ann McKee, Boston University, 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.

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- 3:45 p.m. Break**
- 4:00 p.m. The Neuroscience of Memory and Deception**  
**Stuart Zola**, Emory University, 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.
- 5:15 p.m. Adjourn for the day. Shuttle returns to hotel.**
- 6:30 p.m. Depart for dinner.**
- 7:00 p.m. Group Dinner at Café Lily**

**DAY 2, April 12**

- 8:10 a.m. Meet in hotel lobby for shuttle to seminar.**
- 8:30 a.m. Continental Breakfast in Bourne Seminar Room, Yerkes National Primate Research Center**
- 9:00 a.m. The Neuroscience of Aging and Dementia**  
**Dorene Rentz**, Harvard University, will describe the neurological bases for the dementias.
- 10:15 a.m. Break**
- 10:30 a.m. The Neuroscience of Violence**  
**Adrian Raine**, University of Pennsylvania, will discuss the diagnoses of violent offenders and what they might contribute to legal determinations.
- 11:45 a.m. Lunch in Neuroscience Research Facility Seminar Room, Yerkes National Primate Research Center**
- 1:00 p.m. The Neuroscience of Psychotic Disorders**  
**Elaine Walker**, Emory University, will discuss the neuroscience of psychotic disorders.
- 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**