

## **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 Vanderbilt Law School  
May 16-17, 2016**

### **AGENDA**

#### **DAY 1, May 16**

- 8:00 a.m.** Meet in hotel lobby to walk to Law School
- 8:15 a.m.** Continental Breakfast at the Law School (North Lobby)
- 8:45 a.m.** Welcome and Introductions (Ray Room)  
**Mark S. Frankel** (AAAS), **Christopher Serkin** (Vanderbilt) and **Barbara Rich** (Dana Foundation)
- 9:00 a.m.** **Neuroanatomy, Neuroscience Methods and Technology**  
**Kevin LeBar**, Duke University, will provide an overview of the anatomy and function of the brain and the technologies used in brain research.
- 10:30 a.m.** Break (Atrium)
- 11:00 a.m.** **The Neuroscience of Pain**  
**Dan Clauw**, University of Michigan, will discuss what happens in the brain when a person experiences pain.
- 12:15 p.m.** Lunch (North Lobby)
- 1:15 p.m.** **The Neuroscience of Memory**  
**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.** Break (Atrium)
- 3:00 p.m.** **Neuroscience and the Law**  
**Owen Jones**, Vanderbilt University, will address how current understandings of neuroscience are affecting law.
- 4:15 p.m.** Adjourn for the day
- 6:15 p.m.** Meet in hotel lobby to walk to dinner

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**6:30 p.m.      Group Dinner at Giovanni Ristorante**

**DAY 2, May 17**

**8:45 a.m.      Meet in hotel lobby to walk to Law School**

**9:00 a.m.      Continental Breakfast at the Law School (North Lobby)**

**9:30 a.m.      The Neuroscience of Violence (Ray Room)**

**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.

**10:45 a.m.    Break (Atrium)**

**11:00 a.m.    The Neuroscience of Dementia**

**Dorene Rentz**, Harvard University, will discuss the changes that occur in the brain with degenerative diseases, such as Alzheimer's.

**12:15 p.m.    Lunch (North Lobby)**

**1:15 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.

**2:30 p.m.      The Neuroscience of Psychosis**

**Neil Woodward**, Vanderbilt University, will speak about what neuroscience has to teach us about psychosis.

**3:45 p.m.      Closing Remarks**

**4:00            Adjourn**