

## 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 University of Miami School of Law  
June 6-7, 2019

### AGENDA

#### DAY 1, June 6

- 8:00 a.m.** Meet in Colonnade Hotel lobby
- 8:15 a.m.** Continental Breakfast,  
University of Miami School of Law, Alma Jennings Foundation Student Lounge
- 8:45 a.m.** Welcome and Introductions, University of Miami School of Law, Room F109  
Deborah Runkle, AAAS, Dean Patricia White, University of Miami School of Law
- 9:00 a.m.** An Overview of the Human Brain  
Leonard White, 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
- 10:45 a.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.
- 12:00 p.m.** Lunch
- 1:00 p.m.** Adolescent Brain Development and Mental Illness  
Elaine Walker, Emory University will explain what changes are happening in adolescents’ brains and the development of mental illness.
- 2:15 p.m.** Break
- 2:30 p.m.** The Neuroscience of Violence

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**Jordan Grafman**, Northwestern University, will discuss what we know about the neuroscience related to violent offenders

**3:45 p.m.      Adjourn for the day**

**6:30 p.m.      Meet in Colonnade Hotel lobby to walk to dinner (5 minute walk)**

**7:00 p.m.      Group dinner Seasons 52**

**DAY 2, June 7**

**8:45 a.m.      Meet in Colonnade Hotel lobby**

**9:00 a.m.      Continental Breakfast**

**9:30 a.m.      The Triple Wave Epidemic: Opioid Pills, Heroin and Fentanyl**  
**Daniel Ciccarone**, University of California, San Francisco, will present the neuroscience, demography, and social factors associated with the ongoing opioid crisis.

**10:45 a.m.      Break**

**11:00 a.m.      The Aging Brain and the Dementias**  
**Dorene Rentz**, Harvard University will discuss the changes that occur in the brain with age and with degenerative diseases, such as Alzheimer's.

**12:15 p.m.      Lunch**

**1:15 p.m.      Brain Damage and Its Treatment**  
**Kristine O'Phelan**, University of Miami, will describe types of brain damage, what their behavioral manifestations are and how they are treated.

**2:30 p.m.      The Neuroscience of Pain**  
**Ben Alter**, University of Pittsburgh, will discuss what happens in the brain when a person experiences pain and how to treat pain.

**3:45 p.m.      Closing Remarks**

**4:00 p.m.      Adjourn**