



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, and the Dana Foundation

**Hosted by the University of Colorado, Anschutz Medical Campus
September 23-24, 2019**

AGENDA

DAY 1, September 23

- 8:00 a.m.** **Meet in lobby** Embassy Suites by Hilton Denver/Stapleton
- 8:15 a.m.** **Continental Breakfast**
- 8:45 a.m.** **Welcome and Introductions**
Deborah Runkle, AAAS, **John Reilly**, University of Colorado School of Medicine
- 9:00 a.m.** **An Overview of the Human Brain**
Kevin LaBar, 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 Violence**
Adrian Raine, University of Pennsylvania, will discuss what we know about the neuroscience related to violent offenders.
- 12:00 p.m.** **Lunch**
- 1:00 p.m.** **Brain Injury, Its Prognosis and Treatment**
Candace Floyd, University of Utah, will describe types of brain injury, what their behavioral manifestations are and how they are treated.
- 2:15 p.m.** **Break**
- 2:30 p.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.

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- 3:45 p.m. Childhood Trauma**
Margaret Sheridan, University of North Carolina, Chapel Hill, will address the neurological and behavior effects of childhood trauma.
- 5:00 p.m. Adjourn for the day**
- 7:00 p.m. Meet in hotel lobby**
- 7:30 p.m. Group dinner at El Five**

DAY 2, September 24

- 8:45 a.m. Meet in hotel lobby**
- 9:00 a.m. Continental Breakfast**
- 9:30 a.m. The Opioid Epidemic**
Andrew Kolodny, Brandeis University, will present the neuroscience, demography, treatment, and social factors associated with the ongoing opioid crisis.
- 10:45 a.m. Break**
- 11:00 a.m. The Neuroscience of Pain**
Karsten Bartels, University of Colorado, Denver, will discuss what happens in the brain when a person experiences pain and how to treat pain.
- 12:15 p.m. Lunch**
- 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.
- 2:30 p.m. The Adolescent Brain**
Adriana Galvan, University of California, Los Angeles, will discuss the changes taking place in the adolescent brain and the implications for behavior.
- 3:45 p.m. Closing Remarks**
- 4:00 p.m. Adjourn**