

## 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 Washington School of Medicine  
October 24-25, 2016

### AGENDA

#### DAY 1, October 24

- 8:00 a.m.** Meet in hotel lobby
- 8:15 a.m.** Continental Breakfast (HUB 332)
- 8:45 a.m.** **Welcome and Introductions**  
**Deborah Runkle**, AAAS, and **Bruce R. Ransom**, M.D., Ph.D, Magnuson Professor and Chair, Department of Neurology and **Kellye Y. Testy**, Toni Rembe Dean & Professor of Law, School of Law, University of Washington
- 9:00 a.m.** **Neuroanatomy, Neuroscience Methods and Technology**  
**Michael Rafii**, University of California, San Diego will provide an overview of the anatomy and function of the brain and the technologies used in brain research.
- 10:30 a.m.** Break
- 11:00 a.m.** **The Aging Brain and the Dementias**  
**Thomas Grabowski**, University of Washington, will discuss the changes that occur in the brain with age and with degenerative diseases, such as Alzheimer's.
- 12:15 p.m.** Lunch (HUB 334)
- 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
- 3:00 p.m.** **The Neuroscience of Pain**  
**David Tauben**, University of Washington, will discuss what happens in the brain when a person experiences pain.

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- 4:15 p.m.     Adjourn for the day**
- 6:15 p.m.     Meet in hotel lobby for shuttle to dinner**
- 6:45 p.m.     Group Dinner at Tavolàta**

**DAY 2, October 25**

- 8:45 a.m.     Meet in hotel lobby**
- 9:00 a.m.     Continental Breakfast (HUB 332)**
- 9:30 a.m.     The Neuroscience of Violence**  
**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**
- 11:00 a.m.    Coma and the Vegetative and Minimally Conscious States**  
**Michael Williams**, University of Washington, will describe the physiology of impaired states of consciousness and discuss the ethical and legal issues regarding life sustaining interventions.
- 12:15 p.m.    Lunch (HUB 334)**
- 1:15 p.m.     The Neuroscience of Substance Dependence**  
**Colleen Hanlon**, Medical University of South Carolina, will discuss what effects substance dependence has on the brain and how dependence can be treated.
- 2:30 p.m.     The Adolescent Brain**  
**Carolyn McCarty**, University of Washington, will explain what changes are happening in adolescents' brains and the implications for behavior.
- 3:45 p.m.     Closing Remarks**
- 4:00 p.m.     Adjourn**