Featured Lectures

DAVID KOPF LECTURE ON NEUROETHICS
Giving Voice to Consciousness: Neuroethics, Human Rights, and the Indispensability of Neuroscience
Joseph J. Fins, MD
Weill Medical College, Cornell University
Support contributed by: David Kopf Instruments
Monday, Oct. 19, 11:30 a.m.–12:40 p.m.
The ability of neuroprosthetics to restore functional communication in patients with disorders of consciousness has the potential to reintegrate patients into the nexus of family and community. As a worthy scientific pursuit, Fins will argue that this effort is a moral imperative that links respect for persons with the reemergence of voice out of covert consciousness. As such, it is a human rights issue for a population too long marginalized. For rights to come to mind, patients will need greater access to medical care and research and the skilled engagement of the neuroscience community.

FRED KAVLI HISTORY OF NEUROSCIENCE LECTURE
100 Years of Stress and the HPA Axis
Mary F. Dallman, PhD
University of California, San Francisco
Support contributed by: The Kavli Foundation
Tuesday, Oct. 20, 2:30–3:40 p.m.
In 1915, Walter B. Cannon described responses to a variety of stressors and concluded that stress causes changes in the brain and body that are preparatory for behaviors such as fight or flight. From subcellular to psychological levels, enormous conceptual and methodological advances have occurred in understanding stress and responses of the brain-HPA and sympathetic nervous system axes in the last century. These advances tend to be isolated within, but not across, disciplines. Our current knowledge provides far greater detail of understanding and it does not change the conclusions drawn by Cannon.

ALBERT AND ELLEN GRASS LECTURE CME
Receptors, Neurons, and Circuits: The Biology of Mammalian Taste
Charles Zuker, PhD
Howard Hughes Medical Institute
Columbia University
Support contributed by: The Grass Foundation
Monday, Oct. 19, 3:15–4:25 p.m.
The taste system is one of our fundamental senses, responsible for detecting and responding to sweet, bitter, umami, salty, and sour stimuli. Zuker’s laboratory studies the logic of taste coding as a platform to understand how the brain creates an internal representation of the outside world and transforms sensory signals at the periphery into percepts, actions, and behaviors.

DIALOGUES BETWEEN NEUROSCIENCE AND SOCIETY
Neuroscience and the Law: Strange Bedfellows
Chair: Jed S. Rakoff, JD
US District Court, Southern District of New York
Support contributed by: Elsevier
Saturday, Oct. 17, 11 a.m.–1 p.m.
Neuroscience is a hot topic with lawyers and judges, as recent advances in our understanding of the brain have raised important and unexpected implications for the development and application of legal principles. These implications, however, can sometimes be overstated, which presents a potential for abuse and warrants caution. Hear Senior U. S. District Judge Jed S. Rakoff, a founding member of the MacArthur Foundation Project on Law and Neuroscience, explore the legal and ethical questions raised as neuroscience enters the courtroom and affects the judicial system.