

## Law and Memory Conference

### Speaker Biographies

April 1, 2011



**Nita  
Farahany**

**Nita A. Farahany** is an Associate Professor of Law and Philosophy at Vanderbilt University. Her research focuses on the legal, philosophical, and social issues arising from developments in the biosciences, particularly behavioral genetics and neuroscience. She is currently examining how these emerging scientific developments inform agency and responsibility theory, and challenge existing doctrines in constitutional law. In 2010, she was appointed by President Obama to the Presidential Commission for the Study of Bioethical Issues. Professor Farahany has presented her work on bioethics, neuroethics, criminal law, and behavioral health law and policy to wide-ranging audiences including previously to the Second Circuit Judicial Conference, the National Judicial College, the Global Women's Forum, the Stanford Center for the Integration of Research on Genetics and Ethics, the American Academy of Forensic Sciences, the National Association of Criminal Defense Lawyers, and the American Society for Political and Legal Philosophy. From January-December of 2011, she is a Visiting Associate Professor of Law at Stanford Law School. Before joining the Vanderbilt faculty, she clerked for the Honorable Judith W. Rogers on the U.S. Court of Appeals for the D.C. Circuit. She graduated from Dartmouth College with a B.A. in genetics, cell and developmental biology, and from Harvard University with an A.L.M. in biology. She also earned her J.D., M.A., and Ph.D. in Philosophy of Biology and Jurisprudence at Duke University.



**Felipe  
Fregni**

**Felipe Fregni** is the Director of the Laboratory of Neuromodulation at Spaulding Rehabilitation Hospital, Harvard Medical School, as well as an Assistant Professor at Harvard Medical School, Boston, MA, USA. He is also the course director for the HMS continuing medical education course, Principles and Practice of Clinical Research, a 6-month distance-learning course. It focuses on promoting collaboration and bringing clinical research education to practicing clinicians worldwide. Currently, his research is focused on understanding neuroplastic changes associated with conditions such as chronic pain, Parkinson's disease, and stroke, using non-invasive brain stimulation as an investigative tool for such aims. In addition, his laboratory is comprised of about 15 research fellows and staff, and is a training center for clinical research and neuromodulation methodology. Dr. Fregni's laboratory is funded by several sponsors including NIH, the Christopher and Dana Reeve Foundation, CIMIT, and the RJG Foundation.



**Henry T. "Hank"  
Greely**

**Henry T. "Hank" Greely** is the Deane F. and Kate Edelman Johnson Professor of Law; Director, Center for Law and the Biosciences; Professor (by courtesy) of Genetics, Stanford School of Medicine; Chair, Steering Committee of the Center for Biomedical Ethics; and Director, Stanford Interdisciplinary Group on Neuroscience and Society. Hank Greely (BA '74) specializes in the implications of new biomedical technologies, especially those related to neuroscience, genetics, and stem cell research. He is chair of California's Human Stem Cell Research Advisory Committee and served from 2007-2010 as co-director of the Law and Neuroscience Project. Active in university leadership, Professor Greely chairs the steering committee for the Stanford Center for Biomedical Ethics and directs both the law school's Center for Law and the Biosciences and the Stanford Interdisciplinary Group on Neuroscience and Society. Professor Greely serves on the Scientific Leadership Council for the university's interdisciplinary Bio-X Program. Before joining the Stanford Law School faculty in 1985, Greely was a partner at Tuttle & Taylor, served as a staff assistant to the secretary of the U.S. Department of Energy, and as special assistant to the general counsel of the U.S. Department of Defense. He served as a law clerk to Justice Potter Stewart of the U.S. Supreme Court and to Judge John Minor Wisdom of the Court of Appeals for the Fifth Circuit.



**Almut  
Hupbach**

**Almut Hupbach** received her PhD in Cognitive Psychology from the University of Trier Germany. She is currently an Assistant Professor of Psychology at Lehigh University. Her research focuses on reconsolidation in human episodic memory. She studies -- both in children and adults -- the circumstances permitting induction of plasticity in long-term memory, and how this can lead to memory change without accompanying conscious awareness.



**Mark  
Kelman**

**Mark G. Kelman** is a prolific scholar whose jurisprudential interests range from law and economics to cognitive psychology, to social science approaches to diverse legal fields including criminal law, taxation, administrative regulation, and disability law. He has focused over the past few years on debates about the fundamental nature of heuristic reasoning associated, respectively, with the heuristics and biases school and the fast and frugal heuristics school. He is especially concerned with the implications of these debates for a wide variety of issues of both legal theory and policy (ranging from questions about whether values are commensurable or the ordinary tendency to spend more willingly to rescue identifiable victims than to prevent "statistical" lives from being lost is defensible to controversies over the efficacy of distinct forms of criminal sanctions). He has also recently been engaged in a substantial experimental research project on moral reasoning and has a long-term interest in whether neuroscientists can help us better understand judgment and decision-making. In addition to being a longtime teacher of both criminal law and property to first-year students, he has served as the academic coordinator, academic associate dean, and, currently, vice dean at the law school. Before joining the Stanford Law School faculty in 1977, Professor Kelman was the director of criminal justice projects for the Fund for the City of New York.



**Adam  
Kolber**

**Adam Kolber** is a professor at Brooklyn Law School. He writes and teaches in the areas of criminal law, health law, bioethics, and neuroethics and taught the first law school course devoted to law and neuroscience in 2006. He is the founder of the Neuroethics & Law Blog and has taught law and neuroscience topics to federal and state judges as part of a MacArthur Foundation grant. In 2007-2008, Professor Kolber was a Laurance S. Rockefeller Visiting Fellow at Princeton University where he wrote about the theory of punishment and how advances in our understanding of the mind and brain ought to inform our punishment practices. He has been frequently quoted in the media, including the *New York Times*, *Wall Street Journal*, and *USA Today*. Professor Kolber began his academic career on the faculty of the University of San Diego. Before that, he clerked for the Honorable Chester J. Straub of the U.S. Court of Appeals for the Second Circuit and practiced law with Davis Polk & Wardwell in New York. He graduated Order of the Coif from Stanford Law School, where he was an associate editor of the *Stanford Law Review*. Prior to law school, he was a business ethics consultant at PricewaterhouseCoopers.



**Kevin  
LaBar**

**Kevin S. LaBar** is a Professor in the Center for Cognitive Neuroscience and the Department of Psychology & Neuroscience at Duke University. He graduated Summa Cum Laude from Lafayette College and earned his Ph.D. at New York University. He completed postdoctoral studies at Yale University and was an Instructor of Neurology at Northwestern University Medical School prior to joining the Duke faculty in 1999. His research focuses on the neural correlates of emotion-cognition interactions using psychophysiological, brain imaging, and patient-based studies. Dr. LaBar received Young Investigator awards from the National Alliance for Research on Schizophrenia and Depression (1998-2002), Oak Ridge Associated Universities (2001), the Cognitive Neuroscience Society (2005), and the Alzheimer's Association (2004-2006), as well as a CAREER award from the National Science Foundation (2003-2008). He was elected Fellow of the Association for Psychological Science in 2010. Dr. LaBar serves as Consulting Editor for the journals *Emotion*, *Behavioral Neuroscience*, and *Cognitive, Affective, and Behavioral Neuroscience*, and as a Reviewing Editor for the journal *Frontiers in Human Neuroscience*, and is on the Editorial Board for the journal *Biology of Mood & Anxiety Disorders*. He has published over 100 journal articles and book chapters, and is a senior editor and co-author of the textbook *Principles of Cognitive Neuroscience*, published in 2008 by Sinauer. He has lectured widely on topics in cognitive, affective, and social neuroscience. His work is currently funded by the U.S. National Institutes of Health and the U.S. National Science Foundation.



**Elizabeth  
Loftus**

**Elizabeth Loftus** is Distinguished Professor at the University of California - Irvine. She holds faculty positions in three departments (Psychology & Social Behavior; Criminology, Law & Society; and Cognitive Sciences), and in the School of Law, and is also a Fellow of the Center for the Neurobiology of Learning and Memory. She received her Ph.D. in Psychology from Stanford University. Since then, she has published 22 books (including the award winning *Eyewitness Testimony*) and over 500 scientific articles. Loftus's research of the last 30 years has focused on the malleability of human memory. She has been recognized for this research with six honorary doctorates and election to the Royal Society of Edinburgh, the American Philosophical Society, and the National Academy of Sciences. She is past president of the Association for Psychological Science, the Western Psychological Association, and the American Psychology-Law Society.



**James  
McGaugh**

**James L. McGaugh** is a Research Professor of Neurobiology and Behavior and a Fellow of the Center for the Neurobiology of Learning and Memory at the University of California, Irvine. His research investigates neurobiological systems that regulate the formation of lasting memories. McGaugh did his graduate studies at the University of California, Berkeley and his postdoctoral research at the Istituto Superiore di Sanità in Rome with Nobel Laureate Daniel Bovet. He is a member of the U.S. National Academy of Sciences, the American Academy of Arts and Sciences and a Foreign Member of the Brazilian and Mexican Academies of Sciences. His awards include the Karl Lashley Prize from the American Philosophical Society, William James Fellow from the Association for Psychological Science, John P. McGovern Award from the American Association for the Advancement of Science, Distinguished Scientific Contribution Award from the American Psychological Association, Lifetime Achievement Award from the Society of Experimental Psychologists and the Laurea Honoris Causa from the University of L'Aquila, Italy. At UC Irvine the biology building McGaugh Hall is named in his honor.



**Jesse  
Rissman**

**Jesse Rissman** is a postdoctoral fellow in Dr. Anthony Wagner's laboratory at Stanford University, where he has been conducting fMRI studies exploring the neural mechanisms of mnemonic retrieval and memory-guided decision-making. Dr. Rissman has been a leader in the development and utilization of novel neuroimaging analysis techniques to better characterize the distributed neural circuits that support short-term and long-term remembering. His recent research, supported by grants from the MacArthur Foundation's Law & Neuroscience project, has aimed to critically evaluate the potential use of fMRI technology as a tool to decode individual memories. Dr. Rissman holds a Bachelor of Science degree in Cognitive Neuroscience, magna cum laude with honors, from Brown University, and a Ph.D. in Psychology from the University of California, Berkeley. In July 2011, Dr. Rissman will join the faculty of UCLA's Dept. of Psychology as an Assistant Professor.



**J. Peter  
Rosenfeld**

**J. Peter Rosenfeld** graduated Columbia College (NYC) majoring in Biology and English Literature. He received an M.A. in English and Comparative Literature from Columbia, then a Biopsychology Ph.D. from the University of Iowa in 1971 when he began his career at Northwestern University (Evanston-Chicago), becoming a full professor in 1979 in Psychology, Psychiatry, and Neurobiology and Physiology. His early career (1970-1985) involved research in mechanisms and applications of operant conditioning of neural events. He authored numerous papers in Pain and Analgesia mechanisms from 1976 to 1995. Since the 1980s, he has become a leader in EEG-based deception detection, and the most active contributor to the literature on P300-based Concealed Information Tests. With 170 publications, he was President of the Association for Applied Psychophysiology, and he has served on four editorial boards and multiple scientific review panels, including NIH, NSF, NIMH, and DoD.

**William  
Smoler**

**William Smoler** attended the *University of Wisconsin-Madison* and earned his law degree on 1975. After obtaining his degree, he practiced in a firm he established in Madison that quickly grew to six lawyers. When he began to specialize in the medical malpractice area, he joined Murphy-Desmond, S.C. in Madison where he became a shareholder and eventually managing partner. He now works with Hausmann-McNally, a midwestern regional law firm. Attorney Smoler has argued five cases before the *Wisconsin Supreme Court* in the past 15 years related to malpractice cases arising from allegedly mishandling memory issues. The cases have resulted in new law and new rights for people who were the victims of practitioners implanting false memories of childhood abuse. He has achieved multi-million dollar settlements and verdicts for clients in false memory cases where practitioners caused vulnerable individuals to falsely accuse relatives of rape, incest, and abuse. His most famous false memory case, *Cool v. Olson*, was covered by the national press including CBS's "60 Minutes".



**Joel  
Voss**

**Joel Voss** holds a Ph.D. in Neuroscience from Northwestern University and currently studies unconscious determinants of behavior and cognition at the Beckman Institute for Advanced Science and Technology, University of Illinois Urbana-Champaign. His research, funded by the National Institute of Neurological Disorders and Stroke, assesses brain function using a variety of techniques in order to understand how people can act without intention and demonstrate memory without awareness. Dr. Voss's early career achievements have been recognized by the Laird Cermak award for distinguished research from the preeminent professional organization for memory researchers, the Memory Disorders Research Society.



**Anthony Wagner**

**Anthony Wagner** is an Associate Professor of Psychology and Neuroscience at Stanford, where he directs the Stanford Memory Laboratory (<http://memorylab.stanford.edu/>) and is the co-director of the Stanford Center for Cognitive and Neurobiological Imaging. His research uses functional MRI, cortical and intracranial electroencephalography, and transcranial magnet stimulation to examine the cognitive and neural underpinnings of learning, memory, and executive function. He received his Ph.D. from Stanford in 1997, was a postdoctoral fellow at Harvard University and at the Massachusetts General Hospital's brain imaging facility, and was on the faculty at MIT from 2000-2003. In 2003, he returned to the Stanford Psychology Department, as well as the Neurosciences Program, the Symbolic Systems Program, and the Stanford Center for Longevity. From 2007 to the present, he has been a member of the MacArthur Foundation's Law and Neuroscience Project. In the area of Law and Memory, he has published an analysis of the fMRI lie detection literature, as well as empirical studies on fMRI-based memory detection. His research has been recognized through a number of awards, including the American Psychological Association's Distinguished Scientific Award for Early Career Contribution (2006), an Alfred P. Sloan Research Fellowship (2004), and the Cognitive Neuroscience Society's Young Investigator Award (2004).



**Brian  
Wandell**

**Dr. Wandell** is the Stein Family Professor in the Stanford University Department of Psychology. He holds courtesy positions in Electrical Engineering, Radiology, and Ophthalmology, and directs the newly formed Center for Cognitive and Neurobiological Imaging. Wandell's research centers on how we see—spanning topics from visual disorders, reading development in children, to digital imaging devices and algorithms. The Wandell lab develops functional and structural MRI methods to understand the action of the visual portions of the brain. Their research includes studies of the organization of the visual field maps in the human brain, color and motion processing within these maps, and the potential for reorganization following injury or developmental disorders. The lab also develops diffusion tensor imaging and functional MRI methods to study human brain development. In one example, the lab is carrying out a longitudinal study measuring the development of structures and signals in visual cortex in children, aged 8-12, as they become skilled readers. The team's measurements of developmental changes during the acquisition of skilled reading are intended to understand how visual signals become rapidly identified and classified in the process of learning to read. Wandell was elected to the US National Academy of Sciences in 2003.