**BIographies**

**Fred H. Gage** is President and Professor in the Laboratory of Genetics at the Salk Institute, Adjunct Professor of Neurosciences at UC San Diego, and a member of CARTA. His work concentrates on the adult central nervous system and unexpected plasticity that remains throughout the lifetime of all mammals. In addition, he models human neurological and psychiatric disease using human stem cells. He also studies the genomic mosaicism that exists in the brain as a result of mobile elements that are active in the genome and the contribution that may play brain evolution. Gage is a Fellow of the American Association for the Advancement of Science, a member of the National Academy of Sciences, the American Philosophical Society, and the Academy of Sciences and Arts, and the National Academy of Medicine. Gage has served as President of the Society for Neuroscience (2002) and the International Society for Stem Cell Research (2012).

**Pradeep K. Khosla**, UC San Diego’s eighth Chancellor, is an internationally renowned electrical and computer engineer recognized for his seminal contributions in secure software, intelligent robot systems, and science. He provides vision and strategy for the university, leading a campus with more than 35,000 students, six undergraduate colleges, five academic divisions, five graduate and professional schools, and a preeminent Health System and the prestigious Scripps Institution of Oceanography. Khosla has positioned UC San Diego to define the future of the public research university by activating the institution’s first-ever Strategic Plan and launching the Campaign for UC San Diego—an ambitious and bold $2 billion endeavor—aimed at transforming the university, physically, and intellectually. Khosla has expanded the college access and affordability for underserved populations, initiated campus-wide interdisciplinary research initiatives to foster collaboration and solve societal challenges, and strengthened university and community relationships and partnerships to drive regional impact. Khosla previously served as Dean of the College of Engineering at Carnegie Mellon University.

**Elizabeth H. Simmons** is the Executive Vice Chancellor for Academic Affairs at UC San Diego. She is the institution’s second-ranking executive and serves as chair of the academic cabinet, overseeing academic programs and services, academic personnel services, and the coordination of academic offices across the general campus. Simmons is passionate about advancing the goals of UC San Diego’s strategic plan which emphasizes excellence in education, research, and service, and the commitment to equity, diversity, and inclusion. Simmons is also a theoretical high-energy physicist and Distinguished Professor of Physics at UC San Diego. She is currently studying how physics beyond the Standard Model might manifest in experiments in progress at the CERN Large Hadron Collider. Prior to joining UC San Diego, Simmons served as Associate Provost for Faculty and Academic Staff Development, Dean of Lyman Briggs College, and University Distinguished Professor of Physics at Michigan State University.

**David A. Brenner, MD**, a distinguished physician-scientist in the field of gastrointestinal research, joined UC San Diego as Vice Chancellor for Health Sciences in 2007. Recognized for his pioneering vision to foster synergies between education, research, and clinical care, Dr. Brenner has guided the Health Sciences through a period of tremendous growth. He now leads a multi-billion-dollar enterprise comprising the School of Medicine, Skaggs School of Pharmacy and Pharmaceutical Sciences, and UC San Diego Health, all of which are among the best in the nation. Dr. Brenner earned his medical degree from the Yale University School of Medicine. After completing his residency at Yale-New Haven Medical Center, he served as a research associate at the National Institute of Diabetes and Kidney Diseases. He previously served in leadership positions at Columbia University and the University of North Carolina at Chapel Hill.

**Tetsuro Matsuzawa** is a Distinguished Professor at Kyoto University Institute for Advanced Study (KUIAS) in Japan. He studies chimpanzees both in the laboratory and in the wild. The laboratory work known as AI-project started in 1977. Fieldwork has focused on wild chimpanzees at Bossorou, Guinea, since 1986. The chimpanzees have the cultural tradition of using stone tools to crack open oil-palm nuts. He tries to synthesize the lab and the field to understand the nature of chimpanzees, our evolutionary neighbors. He has published books such as Cognitive Development in Chimpanzees (Springer 2006) and The Chimpanzees of Bossorou and Nimba (Spring 2011).

**James Moore** is an Emeritus Associate Professor of the Department of Anthropology at UC San Diego. His research is on the evolution of the ecology of modern primates, with specific interest in the use of insights gained from such work to aid our understanding of Plio-Pleistocene hominins. He also has written extensively about the relationship between demography and behavior (specifically, nepotism and dispersal) in primates.

**William Kimbel** received his Ph.D. from Kent State University. He was Associate Curator and Head of Physical Anthropology at the Cleveland Museum of Natural History before joining the Institute of Human Origins in Berkeley, California, in 1985. In 1997, he relocated to Arizona State University, where Kimbel is currently its Director and Virginia M. Ullman Professor of Natural History and the Environment in the School of Human Evolution and Social Change. Kimbel’s research focuses on Australopithecus and early Homo and the evolution of hominin skull and dentition. Since 2010, he has cooperated in directed fossil research at the Hadar site in Ethiopia. Kimbel was elected Fellow of the American Association for the Advancement of Science in 2005.

**Margaret Schoening** is a Distinguished Professor Emerita of Anthropology at UC San Diego, a Research Archaeologist in the Glenn Black Laboratory of Archaeology at Indiana University, and a co-director of CARTA. She has done fieldwork in North America, Mexico, Pakistan, India, Kenya, and Tanzania as well as laboratory research on carbon, nitrogen, and oxygen stable isotope ratio analysis in biological tissues and food component analysis of traditional foods. Her major interest is in the evolution of human diet particularly as it informs our understanding of the appearance and evolution of the human lineage.

**Evan Eichler** is a Professor and Howard Hughes Medical Investigator at the University of Washington School of Medicine. He received his Ph.D. in 1995 from Baylor College of Medicine, Houston, Texas, joined the faculty at Case Western Reserve University in 1997 and later the University of Washington in 2004. He was appointed as an HHMI Investigator (2005), awarded an AAAS Fellow (2006) and elected to the National Academy of Sciences (2012) and Medicine (2017). His research group provided the first genome-wide view of segmental duplications within human and other primate genomes. He is a leader in an effort to identify and sequence normal and disease-causing structural variation in the human genome and to investigate its importance in adaptive evolution.

**Anne Stone** is the Regents' Professor in the School of Human Evolution and Social Change at Arizona State University. Stone has been a Fulbright Fellow (1992-93), a NIH NRSA Postdoctoral Fellow (1995-1996), and a Kavli Scholar (2007). She is a fellow of the American Association for the Advancement of Science (2011) and a member of the National Academy of Sciences (2016). Stone currently serves as a senior editor of Molecular Biology and Evolution.
Sarah Tishkoff is the David and Lyn Silfen University Associate Professor in Genetics and Biology at the University of Pennsylvania, holding appointments in the School of Medicine and the School of Arts and Sciences. Tishkoff studies human evolution and adaptation in relation to disease. Her research focuses on the genetic variation in the human population and how it affects disease susceptibility and adaptation to disease. She has found that disease susceptibility is influenced by heredity and environment. She has also shown that parasites have caused gene flow between populations.

Ajit Variki is a Distinguished Professor of Medicine and Cellular & Molecular Medicine at UC San Diego; Adjunct Professor, Salk Institute; Co-Director, Center for Academic Research and Training in Anthropology (CARTA); Co-Director, Glyobiology Research and Training Center (GRTC); Executive Editor, Essentials of Glycobiology (Cold Spring Harbor, 2009); and co-author of Denial (Hachette, 2013). He has received numerous awards for his contributions to science, including the Society for Glycobiology's most prestigious award, the Syrie Medal. His research focuses on the role of glycans in disease and the development of therapeutic strategies to target these molecules.

Daniel Geschwind is the Gordon and Virginia MacDonald Distinguished Professor of Human Genetics, Neurology, and Psychiatry at UCLA. He is also the Senior Associate Dean and Associate Vice Chancellor of the Institute for Precision Health. Geschwind's laboratory has pioneered the application of systems biology methods in neurologic and psychiatric disease, discovering multiple disease causing genes and disease mechanisms. He has served on numerous advisory boards and is a member of the editorial board of Cell, Neurology, and Science. He has received numerous awards for his contributions to science, including the Society for Glycobiology's most prestigious award, the Syrie Medal.

Kristen Hawkes is a Distinguished Professor of Anthropology at the University of Utah. Her principle research interests are the evolution of human behavior, including economic, strategies of modern people and the evolution of human behavior. Her research is based on the study of paleoanthropology and evolutionary theory, and has been published in numerous academic journals as well as in popular outlets, such as the New York Times, Smithsonian, National Geographic, the BBC, Psychology Today, and on National Public Radio.

Alyssa Crittenden is the Centennial Professor of Psychology at Vanderbilt University. She is a prominent researcher in the fields of evolutionary psychology and human behavior. Her research focuses on the evolution of social behavior and the role of social cognition in human evolution. She has published extensively in the field and has been awarded numerous grants and awards for her work.

Jon H. Kaas is a Distinguished Centennial Professor of Psychology at Vanderbilt University. His Ph.D. is in Psychology from Duke University and his postdoctoral studies were at the Laboratory of Neurophysiology, University of Wisconsin. Kaas was elected to the National Academy of Sciences in 2001 and to the American Academy of Arts and Sciences in 2005. Additional honors include the Lashley Award from the American Philosophical Society in 2009, the American Psychological Association Distinguished Contribution Award in 1988, and a Krieger-Keilmann Award in 1995. Major research interests include investigation of higher visual, somatosensory, auditory, and motor systems in primates and mammals.

Katerina Semendeferi is a Professor of Anthropology and Director of the Laboratory for Human Comparative Neuroanatomy at UC San Diego. Her research focuses on the brain's responses to human evolution and cognitive disorders. The overarching hypothesis in her lab is that human brain evolution has shaped the brain region that organizes the organization of the frontal cortex and amygdala circuitry. Her research on the field of induced pluripotent stem cells has been critical to the study of human-specific social and emotional functions, and that developmental pathology in these same systems underlies autism and Williams syndrome. She collaborates with pioneers in the field of induced pluripotent stem cells to bridge novel technology with classical quantitative neuroanatomy and morphometry to move the field of brain evolution to the future.

David M. Perlmutter is a Professor Emeritus in the Department of Linguistics and the Interdepartmental Program in Cognitive Science at the University of California, San Diego. His research addresses how human languages differ and the ways they are all alike. Perlmutter has worked extensively on the syntax of a wide variety of languages and especially on the role of grammatical relations in clause structure. He has published extensively on the phonology and morphology of American Sign Language (ASL). He has served as president of the Linguistic Society of America (LSA) and on the editorial boards of four professional journals. He is a fellow of the Linguistic Society of America and the American Academy of Arts and Sciences.

Terry Sejnowski is the Francis Crick Professor and director of the Computational Neurobiology Laboratory at The Salk Institute. He is also a distinguished Professor of Biology and Adjunct Professor of Neurosciences, Psychology, Cognitive Science, and Computer Science and Engineering at UC San Diego. He is founding editor of Neural Computation and President of the Neural Information Processing Systems Foundation that organizes the annual Neural Information Processing Systems meeting. He is a member of the National Academy of Sciences, the National Academy of Engineering, and the National Academy of Medicine. He is one of 10 living persons to be a member of all three national academies. He is the author of The Deep Learning Revolution published by the MIT Press.

Joe Henrich is a Professor and Chair of the Department of Human Evolutionary Biology at Harvard University. His research explores evolutionary theory to understand how human psychology gives rise to cultural evolution and how this has shaped our species' genetic evolution. Henrich has conducted fieldwork in Peru, Chile, and in the South Pacific, as well as having spearheaded several large comparative projects. In 2016, he published The Secret of Our Success: How Culture Is Driving Human Evolution, Domesticating Our Species, and Making Us Smart (Princeton University Press).

Patricia S. Churchland is an Emerita Professor and former Chair of Philosophy at the University of California, San Diego, as well as an Adjunct Professor at the University of California, San Francisco. Her research focuses on the interface between neuroscience and philosophy. She is a co-author of the groundbreaking book, Neurophilosophy (MIT, 1996), co-authored with T. J. Sejnowski, Braintrust: How Neuroscience Tells Us About Morality (Princeton, 2011), and Touching a Nerve: The Self as Brain (W. W. Norton & Company, 2015). She has been President of the American Philosophical Association, and a MacArthur Foundation Prize in 1991 and the Guggenheim Prize for Neuroscience in 2008.

Pascal Gagnon is a Professor of Anthropology and Pathology at UC San Diego with a strong interest in the evolutionary mechanisms responsible for generating and maintaining primate molecular diversity. Gagnon's laboratory studies how such diversity affects susceptibility to infection and reproductive compatibility by comparing cell surface molecules, glycans, and closely related primate species. Past research on the evolution of different species and sexual selection (via choice) might have contributed to reproductive incompatibility and speciation due to female immune rejection of sperm or fetal cells decorated with incompatible glycans. Gagnon is the Associate Director of CARTA.