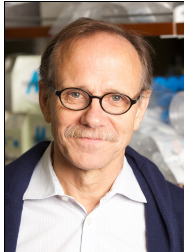


## SPEAKER BIOGRAPHICAL SKETCHES

*Cellular and Molecular Explorations of Anthropogeny*

Friday, September 29, 2017



**Fred H. Gage** is a Professor in the Laboratory of Genetics at the Salk Institute for Biological Studies. His work concentrates on the adult central nervous system and unexpected plasticity that remains throughout the life of all mammals. In addition, Gage 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 in brain evolution. Gage is a Fellow of the American Association for the Advancement of Science, a Member of the National Academies of Sciences and Medicine, the American Philosophical Society, American Academy of Arts and Sciences and EMBO.



**Rick Livesey** is a Senior Group Leader, a Wellcome Trust Senior Investigator, and founding director of the Alzheimer's Research UK Stem Cell Research Centre at the Gurdon Institute, University of Cambridge, where he is also a fellow of Trinity College. Prior to joining the faculty at the University of Cambridge in 2001, Livesey was a Howard Hughes Medical Institute Research Fellow in the Department of Genetics at Harvard Medical School. He graduated from the University of Cambridge M.D./Ph.D. program in 1997, carrying out his Ph.D. at the Medical Research Council (MRC) Laboratory of Molecular Biology.



**Wieland Huttner** studied medicine at the University of Hamburg and Oxford, obtaining his M.D. from the University of Hamburg. After post-doctorates at the Max Planck Institute (MPI) for Experimental Medicine and Yale University, Huttner was head of a junior research group at MPI of Psychiatry, Habilitation in Physiological Chemistry at Würzburg University, research group leader at the European Molecular Biology Laboratory, Heidelberg, and full professor and head of the Institute for Neurobiology, Heidelberg University. He is one of the founding directors of the MPI of Molecular Cell Biology and Genetics in Dresden, an Honorary Professor of Neurobiology at Technische Universität Dresden, and has been the Chair of the Scientific Council of the Max Planck Society (2009-12).



**Arnold Kriegstein** is a Professor and Director of the Developmental and Stem Cell Biology Program at UC San Francisco. His research focuses on the way in which neural stem and progenitor cells produce neurons in the developing human brain. Kriegstein received his B.A. from Yale University and M.D. and Ph.D. degrees from New York University. He completed residency training in Neurology at the Brigham and Women's, Children's, and Beth Israel Hospitals in Boston, and is a board-certified neurologist. He previously held academic appointments at Stanford, Yale, and Columbia Universities. Kriegstein is a member of the National Academy of Medicine.



**Joanna Wysocka** is a Professor in the Departments of Chemical and Systems Biology and Developmental Biology at Stanford University, and she is a Howard Hughes Medical Institute Investigator. Wysocka's laboratory is focused on understanding how the genetic instructions encoded by *cis*-regulatory elements are interpreted in the context of a cellular state and signaling milieu to establish chromatin states either permissive or restrictive for gene expression during embryogenesis. She has interest in the molecular basis underlying cellular plasticity, commitment, and differentiation, as well as human development and evolution.

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*Cellular and Molecular Explorations of Anthropogeny*

Friday, September 29, 2017



**Svante Pääbo** is the Director of the Department of Genetics at the Max Planck Institute for Evolutionary Anthropology. Pääbo has developed techniques that allow DNA sequences from archaeological and paleontological remains to be determined. This has allowed the reconstruction of the Neandertal genome and the discovery of Denisovans, a previously unknown group in Asia related to Neandertals. He also works on the evolution of genetic features that may underlie aspects of traits specific to humans.



**Franck Polleux** is a Professor in the Department of Neuroscience at the new Zuckerman Mind, Brain, Behavior Institute at Columbia University. He obtained his Ph.D. in Neuroscience at Université Claude Bernard in Lyon, France, and his post-doctoral training was at the laboratory of Dr. Anirvan Ghosh at Johns Hopkins University. Throughout his career, Polleux has identified some key cellular and molecular mechanisms underlying the development, evolution, and maintenance of neuronal connectivity. He received several awards including the 2005 Pew Scholar Award in Biomedical Sciences, the NARSAD Young Investigator Award and the 2015 Award from the Roger De Spoelberch foundation.



**Martin Hetzer** is VP and CSO, as well as the Jesse and Caryl Philips Professor of Molecular and Cell Biology at the Salk Institute for Biological Studies. His research focuses on fundamental aspects of organismal aging with a special focus on the heart and central nervous system. Hetzer's lab has also made important contributions in cancer research and cell differentiation. Awards include a Pew Scholar Award, an Early Life Scientist Award (American Society of Cell Biology), a Senior Scholar Award for Aging (Ellison Medical Foundation), a Senior Scholar Award (American Cancer Society), a Royal Society Research Merit Award, the 2013 Glenn Award for Research in Biological Mechanisms of Aging and the 2015 NIH Director's Transformative Research Award.



**Evan Eichler** is a Professor of Genome Sciences at the University of Washington and a Howard Hughes Medical Institute Investigator. He received his Ph.D. from Baylor College of Medicine. After his postdoctoral fellowship at Lawrence Livermore National Laboratory, he joined Case Western Reserve University in 1997 and the University of Washington in 2004. His research group provided the first genome-wide view of segmental duplications within human and primate genomes. He is a leader in identifying and sequencing normal and disease-causing structural variation in the human genome. The long-term goal of his research is to understand the evolution and mechanisms of recent gene duplication and its relationship to copy number variation and human disease.

### Upcoming CARTA Symposia

March 2, 2018

**The Role of Hunting in Anthropogeny**

June 1, 2018

**Imagination and Human Origins**

October 12, 2018

**Impact of Tools and Technology on the Evolution of the Human Mind**

For more information or to register: <https://carta.anthropogeny.org>