

UCLA Medical Scientist Training Program 25th Anniversary Symposium

October 16th and 17th, 2008
Neuroscience Research Building Auditorium

THURSDAY, Oct. 16th

SESSION I

- 8:45 AM** **Welcome and Introduction**
Stephen T. Smale, Ph.D and Kelsey C. Martin, M.D., Ph.D.
Gene D. Block, Chancellor
Gerald S. Levey, M.D., Vice Chancellor for Medical Sciences,
Dean, David Geffen School of Medicine
- 9:00 AM** **Lily Wu, M.D., Ph.D.**
Associate Professor, Depts. of Molecular and Medical Pharmacology and Urology, UCLA
"Continual Learning and Evolution of Cancer-targeted Gene Therapy"
- 9:20 AM** **Dean Felsher, M.D., Ph.D.**
Associate Professor, Division of Oncology, Depts. of Medicine and Pathology, Stanford Univ.
"Molecular Modeling of Cancer: A Dr. Jekyll and Mr. Hyde Model of Tumorigenesis"
- 9:40 AM** **Andrei Goga, M.D., Ph.D.**
Assistant Professor, Division of Hematology/Oncology, Dept. of Medicine, UCSF
"Functional Characterization of Tumor-Associated miRNAs"
- 10:00 AM** **Lu Le, M.D., Ph.D.**
Assistant Professor, Depts. of Dermatology & Developmental Biology, Univ. of Texas Southwestern
"Dermal Neurofibromas in NFI: Stem Cell Origin and Role of Tumor Microenvironment"
- 10:20 AM** **Break**
- 10:50 AM** **Benjamin Braun, M.D., Ph.D.**
Assistant Professor, Dept. of Pediatrics, UCSF
"Ras Signaling in Leukemia Stem Cells"
- 11:10 AM** **David Van Valen**
Laboratory of Rob Phillip, Dept. of Engineering, California Institute of Technology
"Biochemistry on a Leash: Thermodynamic Models for Signaling Proteins"
- 11:30 AM** **Keith Wharton, M.D., Ph.D.**
Assistant Professor, Molecular Biology, Univ. of Texas Southwestern
"Feedback Regulation of Wnt/Beta-Catenin Signaling by Naked Cuticle Proteins"
- 11:50 PM** **Jeff Bronstein, M.D., Ph.D.**
Professor, Dept. of Neurology, UCLA
"How Can the Environment Cause Parkinson's Disease?"
- 12:10 PM** **Mark Dodson**
Laboratory of Ming Guo, Molecular Biology Inst. IDP, UCLA
"The Parkinson's Disease Genes *pink1* and *parkin* Function in a Common Pathway to Regulate Mitochondrial Dynamics"
- 4:00 PM** **1st Annual Stanley G. Korenman MSTP Lecture**

Sanjiv Sam Gambhir, M.D., Ph.D.
Professor, Depts. of Radiology and Bioengineering Bio-X Program
Chief, Division of Nuclear Medicine
Director, Molecular Imaging Program
Stanford University School of Medicine
"Cancer Diagnostics and Imaging: Next Generation Technologies"
Introduced by: Michael E. Phelps, Ph.D.
- 5:00 PM** **Poster Session**

Friday, October 17, 2008
Neuroscience Research Building Auditorium

SESSION II

- 9:00 AM** **Nathan Hageman**
Laboratory of Arthur Toga, Neuroscience IDP, UCLA
 "Genetics of Brain Structure: Analysis of Diffusion Tensor Imaging in Twins"
- 9:20 AM** **Sameer Sheth, M.D., Ph.D.**
Resident, Dept. of Neurosurgery, Harvard Medical School
 "Basal Ganglia Neurons Dynamically Facilitate Exploration during Learning"
- 9:40 AM** **Kate Baicy, Ph.D.**
Laboratory of Edythe London, Neuroscience IDP, UCLA
 "Neuroimaging and Methamphetamine Addiction"
- 10:00 AM** **Steven Hamilton, M.D., Ph.D.**
Associate Professor, Dept. of Psychiatry, UCSF
 "Genetics of Depression"
- 10:20 AM** **Break**
- 10:50 AM** **David Krantz, M.D., Ph.D.**
Associate Professor, Dept. of Psychiatry & Biobehavioral Sciences, UCLA
 "Drosophila Models of Neurotransmitter Transport"
- 11:10 AM** **Ben Cheyette, M.D., Ph.D.**
Assistant Professor, Dept. of Psychiatry, UCSF
 "PhD and MD: my career so far as a Disheveled and Dapper Kind of Guy"
- 11:30 AM** **Adam Savitz, M.D., Ph.D.**
Assistant Professor, Dept. of Psychiatry, Cornell
 "Translational Medicine in Psychiatry: Pregnenolone for Negative Symptoms of Schizophrenia"
- 11:50 AM** **David DiGregorio, Ph.D.**
Laboratoire de Physiologie Cérébrale
The European Neuroscience Institute in Paris
 "Probing Synaptic and Neuronal Function with Light"
- 12:10 PM** **Steven Kushner, M.D., Ph.D.**
Resident, Dept. of Psychiatry, Columbia Univ.
Professor, Erasmus Univ., Rotterdam - as of Nov. 1, 2008
 "Finding the Needle in the Haystack: Neuronal Competition, Selection, and Maintenance of a Memory Trace"

SESSION III

- 2:00 PM** **Barry Paw, M.D., Ph.D.**
Assistant Professor, Division of Hematology, Brigham & Women's Hospital, Boston, MA
 "Mitoferrin, a Mitochondrial Solute Carrier, and its Essential Role in Vertebrate Red Cell Development"
- 2:20 PM** **Thomas Guerrero, M.D., Ph.D.**
Assistant Professor, Dept. of Radiation Oncology, Univ. of Texas MD Anderson Cancer Center
 "Imaging Radiology: Long Injury"
- 2:40 PM** **Adam Sperling**
Laboratory of Michael Grunstein, Dept. of Biological Chemistry, UCLA
 "The Histone H3 N-terminal Tail Functions Downstream of the H4 Tail to Promote the Formation of Mature Silent Chromatin in Budding Yeast"
- 3:00 PM** **Marc Suchard, M.D., Ph.D.**
Associate Professor, Dept. of Biomathematics, UCLA
 "The Emergence and Spread of Rapidly Evolving Pathogens: Tales from Around the World"
- 3:20 PM** **Break**
- 3:50 PM** **Hal Yee, M.D., Ph.D.**
Professor, Dept. of Medicine, UCSF
 "A Physician-Scientist's Dilemma or: How I Learned to Stop Worrying and Love Health Services Delivery"
- 4:10 PM** **Jennifer Fulcher, Ph.D.**
Laboratory of Benhur Lee, Cellular and Molecular Pathology, UCLA
 "Novel Galectin-I Functions at the Host-Pathogen Interface: Multifunctional Roles in DC Activation & Migration"
- 4:30 PM** **Mehrdad Matloubian, M.D., Ph.D.**
Assistant Professor, Dept. of Medicine, UCSF
 "Regulation of Lymphocyte Trafficking by Innate and Adaptive Immune Responses"
- 4:50 PM** **Ajay Nirula, M.D., Ph.D.**
Director, Medical Research Biogen Idec, San Diego
 "Novel Therapies for Autoimmune Disease"
- 5:10 PM** **Emil Kakkis, M.D., Ph.D.**
Chief Medical Officer, BioMarin Pharmaceuticals Inc.
Novato, CA
 "The Development of Aldurazyme: From Bungalow to Boardroom"