

August 2013
LSRF AWARDS POSTDOCTORAL FELLOWSHIPS

The Life Sciences Research Foundation is pleased to announce recipients of three-year postdoctoral fellowships who will begin their training August 2013. The awards are the thirty-first to be made by the Foundation, which was organized in 1981 as an alternative instrument for guiding monies from industry, foundations, agencies, and other donors to the non-targeted support of outstanding young scientists. The awardees were chosen by the Foundation's Peer Review Committee from over 900 applicants. Each recipient will work at a non-profit institution of his or her choice, and each will be identified as the individual recipient of support from one of the Foundation's Sponsors.

The recipients, their institutional affiliations, and the sponsoring donors, were announced by the Foundation's President, Donald D. Brown and Co-Vice-Presidents, Douglas Koshland and Daniel Gottschling as follows:

2013 Fellows

Christopher Baker, The Gordon and Betty Moore Foundation Fellow:

Proposal entitled "Transcriptional regulatory architecture of photosynthesis in green algae", University of California, Berkeley, laboratory of Krishna Niyogi. Dr. Baker received his Ph.D. from University of California, San Francisco.

Kirk Burkhardt, Sanofi Fellow:

Proposal entitled "Muscles from ectoderm and neurons from mesoderm: possible cases of in vivo reprogramming in *Caenorhabditis elegans*", Massachusetts Institute of Technology, laboratory of H. Robert Horvitz. Dr. Burkhardt received his Ph.D. from University of Wisconsin, Madison.

David Burns, Howard Hughes Medical Institute Fellow:

Proposal entitled "Elucidation of mechanisms critical to the onset of reprogramming to pluripotency", Stanford University School of Medicine, laboratory of Helen M. Blau. Dr. Burns received his Ph.D. from the University of Massachusetts Medical School.

Ashesh Dhawale, Ellison Medical Foundation Fellow:

Proposal entitled "The neural basis of motor exploration by rodents", Harvard University laboratory of Bence Olveczky. Dr. Dhawale received his Ph.D. from the National Centre for Biological Sciences.

Sara Di Rienzi, Eli & Edythe Broad Fellow:

Proposal entitled "The role of the small intestinal microbiota in obesity through its metabolism of long chain fatty acids", Cornell University, laboratories of Dr. Ruth E. Ley. Dr. Di Rienzi received her Ph.D. from University of Washington, Seattle.

Brian Duistermars, Ellison Medical Foundation Fellow:

Proposal entitled "The neural basis of state-dependent wing threats in *Drosophila*", California Institute of Technology, laboratory of David Anderson. Dr. Duistermars received his Ph.D. from the University of California, Los Angeles.

Mohammad Fallahi-Sichani, Merck Fellow:

Proposal entitled "Regulation of apoptosis in an oncogene addiction setting", Harvard Medical School, laboratory of Peter K. Sorger. Dr. Fallahi-Sichani received his Ph.D. from the University of Michigan.

Elsa Bou Ghanem, Howard Hughes Medical Institute Fellow:

Proposal entitled "The role of extracellular adenosine in resistance to Streptococcus pneumoniae lung infection", Tufts University, laboratory of John Leong. Dr. Ghanem received her Ph.D. from the University of Kentucky.

Federico Gherardini, Howard Hughes Medical Institute Fellow:

Proposal entitled "The interplay between epigenetic modifications and apoptotic signaling in ovarian cancer", Stanford University, laboratory of Garry P Nolan. Dr. Gherardini received his Ph.D., from the University of Rome Tor Vergata.

Nora Grahl, Howard Hughes Medical Institute Fellow:

Proposal entitled "Mechanisms by which bacterial phenazines modulate eukaryotic growth programs", Geisel Medical School at Dartmouth, laboratory of Deborah A. Hogan. Dr. Grahl received her Ph.D. from Friedrich-Schiller University Jena.

Leon Grayfer, Howard Hughes Medical Institute Fellow:

Proposal entitled "Macrophage development and differentiation in the amphibian *Xenopus laevis*", University of Rochester Medical Center, laboratory of Dr. Jacques Robert. Dr. Grayfer received his Ph.D. from the University of Alberta.

Robin Harris, The Ellison Medical Foundation/AFAR Fellow:

Proposal entitled "Genetic manipulation of regenerative capacity", University of California at Berkeley, laboratory of Iswar Hariharan. Dr. Harris received his Ph.D. from The University of Manchester.

Nicholas Heaton, Merck Fellow:

Proposal entitled "A novel transgenic reporter mouse to study the pathogenesis of Influenza A viruses", Mount Sinai School of Medicine, laboratory of Peter Palese. Dr. Heaton received his Ph.D. from The University of Chicago.

William Housley, Pfizer Fellow:

Proposal entitled "Human genetic variation in cytokine signaling pathways and susceptibility to autoimmune disease", Yale University, laboratory of David A. Hafler. Dr. Housley received his Ph.D. from the University of Connecticut.

Chi-Kuo Hu, The Ellison Medical Foundation/AFAR Fellow:

Proposal entitled "Systematic understanding of vertebrate aging using the extremely short-lived African killifish *Nothobranchius furzeri* as a model system", Stanford University, laboratory of Anne Brunet. Dr. Hu received his Ph.D. from Harvard University.

Philip Kranzusch, Howard Hughes Medical Institute Fellow:

Proposal entitled "Molecular mechanisms of translational control in innate immunity and cell fate determination", University of California, Berkeley, laboratory of Professor Jennifer A. Doudna. Dr. Kranzusch received his Ph.D. from Harvard University.

Keren Lasker, The Gordon and Betty Moore Foundation Fellow:

Proposal entitled "Decoding the *Caulobacter* asymmetric differentiation program by an optogenetics approach", Stanford University, laboratory of Lucy Shapiro. Dr. Lasker received her Ph.D. from Tel Aviv University.

Efrem Lim, Eli & Edythe Broad Fellow:

Proposal entitled "Discovery of novel cancer causing viruses and mechanism of tumor induction", Washington University, laboratory of David Wang. Dr. Lim received his Ph.D. from the University of Washington.

Wei-Ting Liu, Simons Foundation Fellow:

Proposal entitled "Gaining molecular insight into fecal transplantation for the treatment of Clostridium difficile-associated diarrhea", Stanford University, laboratory of David A. Relman. Dr. Liu received her Ph.D. from the University of California, San Diego.

David Loehlin, Howard Hughes Medical Institute Fellow:

Proposal entitled "Mutational paths underlying the repeated evolution of alcohol metabolism", University of Wisconsin at Madison, laboratory of Sean Carroll. Dr. Loehlin received his Ph.D. from the University of Rochester.

Arundhati Maheshwari, The Gordon and Betty Moore Foundation Fellow:

Proposal entitled "An Investigation into the functional and evolutionary consequences of rapid centromere divergence", University of California, Davis, laboratory of Luca Comai. Dr. Maheshwari received his Ph.D. from Cornell University.

James Marshel, Simons Foundation Fellow:

Proposal entitled "Probing and manipulating cortical circuit learning in vivo", Stanford University, laboratory of Karl Deisseroth. Dr. Marshel received his Ph.D. from the University of California, San Diego.

Rahul Palchaudhuri, The Jake Wetchler Foundation Fellow:

Proposal entitled "Modular assembly of cell-permeable transcription regulating proteins to control cell differentiation", Stanford University, laboratory of David Scadden. Dr. Palchaudhuri received his Ph.D. from the University of Illinois, Urbana-Champaign.

Jun-Wei Pek, Howard Hughes Medical Institute Fellow:

Proposal entitled "Stable intronic sequences (sis) RNA: novel functions and biogenesis pathways", Carnegie Institution for Science, laboratory of Joseph G. Gall. Dr. Pek received his Ph.D. from the National University of Singapore.

Priya Rajasethupathy, Ellison Medical Foundation Fellow:

Proposal entitled "Functional, structural, and molecular analyses of in vivo neural networks underlying memory storage", Stanford University, laboratory of Karl Deisseroth. Dr. Rajasethupathy received her Ph.D. from the Columbia University.

Aaron Reinke, Monsanto Fellow:

Proposal entitled "Identifying host proteins hijacked by a natural microsporidian pathogen of C. elegans", University of California, San Diego, laboratory of Emily Troemel. Dr. Reinke received his Ph.D. from the Massachusetts Institute of Technology.

Constance Richter, Simons Foundation Fellow:

Proposal entitled "Peptidergic control of sleep regulation in zebrafish", Harvard University, laboratory of Alex Schier. Dr. Richter received her Ph.D. from the University of Vienna.

Bryan Schmidt, LSRF Alumni Fellow:

Proposal entitled "Structural studies of the cystic fibrosis transmembrane conductance regulator", University of California, San Francisco, laboratory of Robert M. Stroud. Dr. Schmidt received his Ph.D. from the University of California, Berkeley.

Alecia Septer, The Gordon and Betty Moore Foundation Fellow:

Proposal entitled "Dissecting the function and mechanisms of gene rearrangements in a self-recognition gene cluster in the bacterium *Proteus mirabilis*", President and Fellows of Harvard College, laboratory of Karine Gibbs. Dr. Septer received her Ph.D. from the University of Georgia.

Joshua Weinstein, Simons Foundation Fellow:

Proposal entitled "Dissecting the role of protocadherin diversity in synaptic plasticity and memory formation", Broad Institute of the Massachusetts Institute of Technology, laboratory of Feng Zhang. Dr. Weinstein received his Ph.D. from Stanford University.

Rayka Yokoo, Simons Foundation Fellow:

Proposal entitled "Fluorescent biosensors for high resolution imaging of metabolism in live animals", University of California, Berkeley, laboratory of David Savage. Dr. Yokoo received her Ph.D. from Stanford University.

Naupaka Zimmerman, The Gordon and Betty Moore Foundation Fellow:

Proposal entitled "Understanding plant-fungal interactions in leaves: how labile are life histories?", University of Arizona, laboratory of A. Elizabeth Arnold. Dr. Zimmerman received his Ph.D. from Stanford University.