



Newsletter

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*Dedicated to establishing partnerships between those who support research in the life sciences and academic institutes for their mutual benefit, The Life Sciences Research Foundation fosters a highly competitive postdoctoral fellowship program. For more information, visit: [www.lsrf.org](http://www.lsrf.org)*

**Letter from the Presidents**

Dear LSRF Fellows, Alumni, Sponsors, Mentors, Board, Review Committee, and Friends,

We are proud to announce the 2010 fellows of the Life Sciences Research Foundation along with their sponsors. This is our 27th class of awardees and as you can see this year we were able to fund a remarkable breath of science from all over the country. We are appreciative of all our sponsors and especially so to those who have supported us continuously over many years. This year we had two exciting new changes. The Gordon and Betty Moore Foundation, a new sponsor of LSRF fellows, funded four new fellows carrying out research on non-vertebrates. This funding is critical as LSRF's leading role in funding non-vertebrate biology has been challenged recently due to a lack of sponsorship in these areas. Our scope of sponsorship has also been increased by important changes in the funding policy of the Howard Hughes Medical Institute. HHMI President Robert Tjian has increased the number of new fellows to eight and removed the previous restriction of sponsoring only finalists in HHMI laboratories. These eight fellows ensure that we continue the LSRF tradition of funding the broadest scope of basic research. As always we are so grateful to all our sponsors who share our mission to fund the youngest and brightest young scientists.

Sincerely,

A handwritten signature in cursive script that reads "Don".

Don Brown  
President

A handwritten signature in cursive script that reads "Doug".

Doug Koshland  
Vice President

**July 2010**  
**LSRF AWARDS POSTDOCTORAL FELLOWSHIPS**

The Life Sciences Research Foundation is pleased to announce recipients of three-year postdoctoral fellowships who will begin their training as early as June 2010. The awards are the twenty-seventh 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 about 800 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 Vice-President, Douglas Koshland as follows:

**Evren Azeloglu, Howard Hughes Medical Institute Fellow:**

(Ph.D., Columbia University) for studies entitled "Regulatory networks underlying mechanosensitive signaling". Mount Sinai School of Medicine, laboratory of Ravi Iyengar.

**Chase Beisel, The Gordon and Betty Moore Foundation Fellow:**

(Ph.D., California Institute of Technology) for studies entitled "Quantitating the regulatory characteristics of endogenous small RNAs". National Institute of Child Health and Human Development, laboratory of Gisela Stortz.

**Arpita Bose, Howard Hughes Medical Institute Fellow:**

(Ph.D., University of Illinois-Urbana) for studies entitled "Understanding anaerobic ferrous iron acquisition in the photoferrotrophic model organism *Rhodospseudomonas palustris* TIE-1". Harvard University, laboratory of Peter Girguis.

**Daniel Chitwood, The Gordon and Betty Moore Foundation Fellow:**

(Ph.D., Cold Spring Harbor Laboratory) for studies entitled "Elucidating responses of developmental gene networks to environmental change". University of California-Davis, laboratories of Neelima Sinha and Julin Maloof.

**Fernando Cruz-Guilloty, Howard Hughes Medical Institute Fellow:**

(Ph.D., Harvard University) for studies entitled "Adaptive immunity as the missing link between oxidative stress and complement activation in the pathophysiology of age-related macular degeneration". University of Miami, laboratory of Victor Perez.

**Xin Duan, Howard Hughes Medical Institute Fellow:**

(Ph.D., Johns Hopkins University School of Medicine) for studies entitled "Molecular and genetic decoding of retinal circuitry". Harvard University, laboratory of Joshua Sanes.

**Justin Gerke, Merck Fellow:**

(Ph.D., Washington University) for studies entitled "Genome structure, recombination rate variation and hybrid vigor in maize". University of Missouri, laboratory of Michael McMullen.

**Hun-Way Hwang, Howard Hughes Medical Institute Fellow:**

(Ph.D., Johns Hopkins University School of Medicine) for studies entitled "ERBB3 signaling in melanocyte development and melanoma". National Human Genome Research Institute, laboratory of William Pavan.

**Carla Klattenhoff, Novartis Fellow:**

(Ph.D., University of Massachusetts Medical School) for studies entitled "Do non-coding RNAs function as regulators of cell fate through interaction with Polycomb group proteins". Massachusetts Institute of Technology, laboratory of Laurie Boyer.

**Daryl Klein, Howard Hughes Medical Institute Fellow:**

(Ph.D., University of Pennsylvania) for studies entitled "Single-particle kinetics of flavivirus fusion". Harvard Medical School, laboratory of Stephen Harrison.

**Katherine Ralston, Howard Hughes Medical Institute Fellow:**

(Ph.D., University of California-Los Angeles) for studies entitled "Identification of effectors of host cell killing by *Entamoeba histolytica*". University of Virginia, laboratory of William A Petri, Jr.

**Thomas Ream, The Gordon and Betty Moore Foundation Fellow:**

(Ph.D., Washington University) for studies entitled "Molecular mechanisms of vernalization in plants".  
University of Wisconsin-Madison, laboratory of Richard Amasino.

**Katherine Ryan, Merck Fellow:**

(Ph.D., Massachusetts Institute of Technology) for studies entitled "Novel coupling enzymes in the biosynthetic pathways to two marine-derived natural products". University of British Columbia, laboratory of Julian Davies.

**Ashley Shade, The Gordon and Betty Moore Foundation Fellow:**

(Ph.D., University of Wisconsin-Madison) for studies entitled "Common threads: An ecological approach to predicting microbial community dynamics across animal and plant ecosystems". Yale University, laboratory of Jo Handelsman.

**Kimberly Tu, Ellison Medical Foundation/AFAR Fellow:**

(Ph.D., Princeton University) for studies entitled "Planarians as a model for stem cell aging". University of Utah School of Medicine, laboratory of Alejandro Sanchez Alvarado.

**Julian Wong, Pfizer Fellow:**

(Ph.D., Brown University) for studies entitled "Molecular and physiological characterization of human neurons derived from psychiatric patients". The Scripps Research Institute, laboratory of Anton Maximov.

**David Zhang, Howard Hughes Medical Institute Fellow:**

(Ph.D., California Institute of Technology) for studies entitled "Engineering nucleic acid devices for biomedical applications". Wyss Institute-Harvard Medical School, laboratory of Peng Yin.