2016 Searle Scholars

Alexis Battle The Johns Hopkins University	*Integrating Personal Multi-omic Data to Predict Functional Rare Variants*
Kivanc Birsoy The Rockefeller University	*The Two Faces of the Mitochondrial Electron Transport Chain Activity in Cell Proliferation*
Hernan Garcia University of California, Berkeley	*Lighting Up The Synthetic Fly*
Mike Henne Univ. of Texas Southwestern Medical Center	*Novel Inter-organelle Communication Networks in Lipid Metabolism, Neurological Disease, and Aging*
Yevgenia Kozorovitskiy Northwestern University	*Novel Paradigms of Hippocampal Neuromodulation*
Gene-Wei Li Massachusetts Institute of Technology	*Probing Backup Circuitry in Bacterial Genomes*
Carolyn McBride Princeton University	*Using Evolution to Decode the Genetic and Neural Basis of Mosquito Behavior*
Sarah Slavoff Yale University	*A Chemical Proteomic Pipeline to Profile the Internal Ribosome Entry Site-Controlled Proteome in Normal and Cancerous Human Cells*
Gregory Sonnenberg Cornell University	*Harnessing the Co-evolution of Mammals and Microbes to Engineer Novel Vaccines*
Sabrina Spencer University of Colorado	*How Outlier Cells Emerge from Genetically Uniform Populations*
Mansi Srivastava Harvard University	*Identifying Mechanisms for Stem Cell Regulation by Wound-induced Signals*
Matthew Traxler University of California, Berkeley	*Decoding Microbial Interactions with Next Generation Mass Spectrometry for Natural Products Discovery*
Peter Turnbaugh University of California, San Francisco	*Host-microbiome Interactions Shape Drug Metabolism and Absorption*
Michael Yartsev University of California, Berkeley	*Neural Basis of Spatial Habit Learning Using Freely-Flying Echolocating Bats*
Marija Zanic Vanderbilt University	*After Catastrophe Comes Rescue: Understanding the Biophysical Principles of Microtubule Dynamics*