



SEARLE SCHOLARS PROGRAM

FUNDING EXCEPTIONAL YOUNG SCIENTISTS

2017 Searle Scholars

Name

Dr. Eiman Abdel-Azim

The Salk Institute for Biological Studies

Dr. Nicholas Arpaia

Columbia University Medical Center

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Stanford University

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Dr. Weizhe Hong

University of California, Los Angeles

Dr. Todd Hyster

Princeton University

Dr. Amy Si-Ying Lee

Brandeis University

Dr. Nuo Li

Baylor College of Medicine

Dr. Diana Libuda

University of Oregon

Dr. Robert McGinty

University of North Carolina at Chapel Hill

Dr. Jose Rodriguez

University of California, Los Angeles

Dr. John Tuthill

University of Washington

Dr. Gabriel Victora

The Rockefeller University

Dr. Rebecca Voorhees

California Institute of Technology

Research Proposal

Functional Dissection of Spinal Internal Feedback Circuits for Skilled Limb Movement

Immunological Tolerance and Mechanisms of Mucosal Barrier Maintenance

Investigating the Physical and Chemical Basis of Information Flow in Chromatin

Single-molecule Imaging of the Epitranscriptome: Deciphering the Next Layer of Gene Regulation

Structure Determination of Amyloid Proteins Inside Living Cells

Neural Mechanisms Underlying Social Behavior

Photon Induced Enzyme Promiscuity

Mechanisms and Regulation of Specialized mRNA Translational Control

Neural Circuits Underlying Volitional Movement

Dissecting the Mechanisms of Temperature-induced DNA Damage during Spermatogenesis

Deciphering the Nucleosome Interactome

Atomic Scale Interrogation of Protein Nano-assemblies within Living Systems

Transformation of Somatosensory Signals from Sensory Input to Motor Output

Mechanistic Basis of Stochasticity in Antibody Affinity Maturation

The Mechanism of Protein Biosynthesis at the Endoplasmic Reticulum