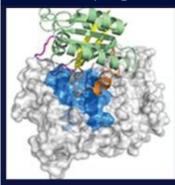


A program of the Richard and Susan Smith Family Foundation







Alumni Directory

2018 - 2021

The Richard and Susan Smith Family Foundation is committed to effecting permanent positive change in the lives of the residents of Greater Boston, particularly individuals and families in economically disadvantaged communities. Today, three generations of the Smith family oversee the Foundation, stewarding approximately \$15 million annually in grants aimed at promoting greater health, educational attainment, and economic mobility. In the area of health, the Foundation supports the advancement of biomedical research and the expansion of access to high-quality health care at safety net institutions serving low-income individuals and communities of Greater Boston.

The Smith Family Foundation: Odyssey Award was created in 2017 to fuel creativity and innovation in junior investigators in the basic sciences. The Award supports the pursuit of high impact ideas to generate breakthroughs and drive new directions in biomedical research. The Award funds high-risk, high-reward pilot projects solicited from the brightest junior faculty in the region. The Awards are currently in the amount of \$300,000 over two years.

Over the past 3 years, the Smith Family Foundation: Odyssey Award has helped launch the careers of 21 outstanding scientists with support totaling \$6.3 million.

The following is a listing of all Award Recipients in alphabetical order with current contact information as well as the title of the funded research project. The Smith Family is extraordinarily proud of the accomplishments of its Awardees and is honored to provide the critical support for their newly established research programs.

Lydia Bourouiba, Ph.D.

(2018 Award Recipient)
Respiratory Disease Transmission:
Mechanistic Understanding for Control and
Prevention of Epidemics
Massachusetts Institute of Technology
Ibouro@mit.edu

Benjamin Lovegren de Bivort, Ph.D.

(2018 Award Recipient)

Mapping Loci of Individuality for

Spontaneous and Stimulus-Evoked

Behaviors

Harvard University

debivort@oeb.harvard.edu

Edward Chouchani, Ph.D.

(2021 Award Recipient)

Systematic Chemical Manipulation Of Redox
Sensitive Cysteines To Regulate
Inflammatory Processes
Dana-Farber Cancer Institute
EdwardT Chouchani@dfci.harvard.edu

Marcelo Dietrich, M.D.

(2021 Award Recipient)

Opioid-Producing Neurons that Mediate the Attachment of Infants to their Mothers

Yale University

marcelo.dietrich@yale.edu

Jenna Galloway, Ph.D.

(2021 Award Recipient)
Identifying the molecular and cellular
determinants of exercise-driven tendon
remodeling
Massachusetts General Hospital
jgalloway@mgh.harvard.edu

Elena Gracheva, Ph.D.

(2018 Award Recipient)

Regulation of Fluid and Ionic Balance Under Extreme Physiological States in a

Mammalian Hibernator

Yale University

elena.gracheva@yale.edu

Yonatan Grad, M.D., Ph.D.

(2020 Award Recipient)

Mechanisms of Host-pathogen Interactions
from Conditionally Essential and Deleterious
Genes

Harvard T.H. Chan School of Public Health
ygrad@hsph.harvard.edu

Ya-Chieh Hsu, Ph.D.

(2018 Award Recipient)

Cellular and Molecular Mechanisms of Fetal

Skin Regeneration

Harvard University

yachieh hsu@harvard.edu

Shantanu Jadhav, Ph.D.

(2019 Award Recipient)

Neural Coordination Mechanisms for Memory Function and Dysfunction

Brandeis University

shantanu@brandeis.edu

Gene-Wei Li, Ph.D.

(2020 Award Recipient)

Breakaway Transcription as an Alternative

Paradigm for Bacterial Gene Expression

Massachusetts Institute of Technology

gwli@mit.edu

Maofu Liao, Ph.D.

(2019 Award Recipient)

Elucidating the Molecular Mechanism of

ABCA7, a Membrane Transporter associated
with Alzheimer's Disease

Harvard Medical School
maofu liao@hms.harvard.edu

Chenxiang Lin, Ph.D.

(2020 Award Recipient)
Tension-loaded DNA Nanodevices for
Structural Determination of
Mechanosensitive Proteins
Yale University
chenxiang.lin@yale.edu

Sebastian Lourido, Ph.D.

(2021 Award Recipient)

Controlling the developmental transitions of a eukaryotic pathogen

Whitehead Institute for Biomedical Research

lourido@wi.mit.edu

Sarah McMenamin, Ph.D.

(2021 Award Recipient)
Mechanisms by which shape is specified and remembered during development and regeneration of the zebrafish fin
Boston College
mcmenams@bc.edu

Meenakshi Rao, M.D., Ph.D.

(2020 Award Recipient)

Glial Phagocytosis in Intestinal Homeostasis

Boston Children's Hospital

Meenakshi.Rao@childrens.harvard.edu

Sarah Slavoff, Ph.D.

(2019 Award Recipient)
Non-Canonical Translation of Small Open
Reading Frames in the Human Genome
Yale Cancer Center
sarah.slavoff@yale.edu

Mansi Srivastava, Ph.D.

(2020 Award Recipient)

Comparing Development and Regeneration to Uncover Mechanisms for Maintaining Regenerative Ability in Adult Animals

Harvard University

mansi@oeb.harvard.edu

Andrew Wang, M.D., Ph.D.

(2021 Award Recipient)

Understanding the Role of Brain T-cells in Defending Sleep

Yale University

andrew.wang@yale.edu

Jing-Ke Weng, M.D., Ph.D.

(2018 Award Recipient)

Novel Psychiatric Therapeutics Inspired by Bioactive Plant Polyketides

Whitehead Institute for Biomedical Research

wengj@wi.mit.edu

Jessica Whited, Ph.D.

(2019 Award Recipient)

Transmission of Amputation Information
Throughout the Body in Axolotl

Brigham and Women's Hospital
jessica_whited@harvard.edu

Wesley Philip Wong, Ph.D.

(2019 Award Recipient)

Single-Molecule Protein Identification with

Mechanical Nanocalipers

Boston Children's Hospital

wong@idi.harvard.edu