Alumni Directory

1992 - 2019
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.

In 1991, the Smith Family Foundation contracted with The Medical Foundation at Health Resources in Action to create a grantmaking program that would identify and support promising junior faculty to find breakthroughs in such areas as AIDS/HIV, cancer, heart disease, diabetes or neuroscience. Since 2008, the Award has broadened to support newly independent faculty engaged in basic biomedical science as well as physics, chemistry and engineering with a focus on biomedicine. The Awards are currently in the amount of $300,000 over three years.

Over the past 28 years, the Smith Family Awards Program for Excellence in Biomedical Research has helped launch the careers of 175 outstanding scientists with support totaling $36.5 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.
Judith Agudo, Ph.D.
(2019 Award Recipient)
Novel platform to increase dendritic cell function and antigen-specific T cell responses to cancer
Dana-Farber Cancer Institute
Judith_Agudo@dfci.harvard.edu

Mark L. Andermann, Ph.D.
(2012 Award Recipient)
Cortical Networks Guiding Hunger-Dependent Attention to Food Cues
Beth Israel Deaconess Medical Center
manderma@bidmc.harvard.edu

Zolt P. Arany, M.D., Ph.D.
(2008 Award Recipient)
Peroxisome Proliferator-Activated Receptor Gamma 1alpha (PGC-1alpha) and Cardiac Angiogenesis
University of Pennsylvania
zarany@mail.med.upenn.edu

Scott A. Armstrong, M.D., Ph.D.
(2004 Award Recipient)
Multi-step Pathogenesis of MLL-rearranged Leukemias
Memorial Sloan-Kettering Cancer Center
armstros@mskcc.org

Emily Patricia Balskus, Ph.D.
(2011 Award Recipient)
Understanding and Preventing the Production of Disease-Associated Metabolites by the Human Gut Microbiota
Harvard University
balskus@chemistry.harvard.edu

Jennifer Benanti, Ph.D.
(2011 Award Recipient)
Mapping the Proteolytic Regulatory Network that Controls Cell Division
University of Massachusetts Medical School
Jennifer.Benanti@umassmed.edu

Leslie J. Berg, Ph.D.
(1993 Award Recipient)
Analysis of the Tsk tyrosine Kinase in Transgenic Mice
University of Massachusetts Medical School
leslie.berg@umassmed.edu

Sudha Biddinger, M.D., Ph.D.
(2010 Award Recipient)
Regulation of the LDLR by Insulin and Diabetes
Boston Children’s Hospital
sudha.biddinger@childrens.harvard.edu

Jonathan S. Bogan, M.D.
(2000 Award Recipient)
Role of ARF Proteins in GLUT4 Trafficking
Yale School of Medicine
jonathan.bogan@yale.edu

Laurie A. Boyer, Ph.D.
(2009 Award Recipient)
Non-coding RNA as a Regulator of Cell Fate through Functional Interaction with Polycomb Group Proteins
Massachusetts Institute of Technology
lboyer@mit.edu

James E. Bradner, M.D.
(2010 Award Recipient)
Chemical Inhibition of Bromodomains in Cancer
Novartis Institutes of BioMedical Research
James.bradner@novartis.com

David K Breslow, Ph.D.
(2018 Award Recipient)
Deconstructing the Cellular Antenna: Primary Cilium Disassembly and Control of Cell Growth
Yale University
david.breslow@yale.edu
Alan Brown, Ph.D.  
(2018 Award Recipient)  
*Structural Basis of Intraflagellar Transport*  
Harvard Medical School  
alan_brown@hms.harvard.edu

Jessica A Cardin, Ph.D.  
(2012 Award Recipient)  
*GABAergic Contributions to Neural and Cognitive Deficits in a Genetic Model of Schizophrenia.*  
Yale University  
jess.cardin@yale.edu

William A. Carlezon, Ph.D.  
(1999 Award Recipient)  
*Neural Substrates of Aversion to Addictive Drugs*  
McLean Hospital  
carlezon@mclean.harvard.edu

Francis Ka-Ming Chan, Ph.D.  
(2003 Award Recipient)  
*TNF-Induced Programmed Cell Death in Immune Responses*  
University of Massachusetts Medical School  
francis.chan@umassmed.edu

Daniel L. Chase, Ph.D.  
(2006 Award Recipient)  
*Electrophysiological Analysis of Novel Dopamine Signaling Mechanisms in C. elegans*  
Central Connecticut State University  
chase@ccsu.edu

Abhishek Chatterjee, Ph.D.  
(2013 Award Recipient)  
*A Chemical Toolset to Investigate and Engineer Viral Infection*  
Boston College  
abhishek.chatterjee@bc.edu

Iain M. Cheeseman, Ph.D.  
(2007 Award Recipient)  
*Proteomic and Functional Dissection of the Human Kinetochore*  
Whitehead Institute for Biomedical Research  
icheese@wi.mit.edu

Jianzhu Chen, Ph.D.  
(1995 Award Recipient)  
*Molecular Analysis of Memory B Cell Differentiation*  
Massachusetts Institute of Technology  
jchen@mit.edu

Jerry Lu Chen, Ph.D.  
(2016 Award Recipient)  
*Circuit Mechanisms for Long-Range Communication in the Neocortex*  
Boston University  
jerry@chen-lab.org

James Jeiwen Chou, Ph.D.  
(2003 Award Recipient)  
*Structural Study of the Membrane-Associated State of BID for Understanding BID-Induced Damage of Mitochondrial Wall during Apoptosis*  
Harvard Medical School  
james_chou@hms.harvard.edu

Damon Alistair Clark, Ph.D.  
(2013 Award Recipient)  
*Dissecting Motor Pattern Generating Circuits in Walking Drosophila*  
Yale University  
damon.clark@yale.edu

Steven Chuck, M.D.  
(1997 Award Recipient)  
*Regulation of Apolipoprotein B Secretion*  
Gilead Sciences  
steven.chuck@gilead.com
Andrew Connolly, M.D., Ph.D.
(1998 Award Recipient)
*Endothelial Protease-Activated Receptors*
Stanford University School of Medicine
aconnoll@stanford.edu

Paul B. Cook, Ph.D.
(2000 Award Recipient)
*Modulation of Glycinergic Inhibition in the Vertebrate*
Integrated Project Management
pcook@ipmcinc.com

David Daniel Cox, Ph.D.
(2013 Award Recipient)
*Learning How to See: a Biological and Computational Investigation of How Visual Cortex Learns and Develops*
Harvard University
davidcox@fas.harvard.edu

Daniel H. Cox, Ph.D.
(2000 Award Recipient)
*Characterization of the Ca2+ Binding Sites of the Large-Conductance Ca2+-Activated K+ Channel*
Tufts University School of Medicine
dan.cox@tufts.edu

Michael Crickmore, Ph.D.
(2015 Award Recipient)
*Molecular and Circuit Analyses of a Motivational State*
Boston Children’s Hospital
michael.crickmore@childrens.harvard.edu

Alexei Degterev, Ph.D.
(2007 Award Recipient)
*Molecular Mechanism and Oncogenic Regulation of Cellular Necrosis*
Tufts University School of Medicine
alexei.degterev@tufts.edu

Walter E. Demkowicz, Ph.D.
(1995 Award Recipient)
*Immunotherapy for AIDS: Transduction of HIV-1-Specific T-cell Receptor Genes*
University of Massachusetts Medical School
wdemkowicz@yahoo.com

Li Deng, Ph.D.
(1999 Award Recipient)
*A Chemical Approach Toward Understanding DNA Modification*
Brandeis University
deng@brandeis.edu

Stephanie Dougan, Ph.D.
(2015 Award Recipient)
*In Situ Delivery of Neoantigens and Targeted Radiation in a Therapeutic Vaccine for Pancreatic Cancer*
Dana-Farber Cancer Institute
stephanie_dougan@dfci.harvard.edu

Elaine A. Elion, Ph.D.
(1992 Award Recipient)
*Mechanisms of Negative Growth Control in Saccharomyces cerevisiae*
Harvard Medical School
elaine_elion@hms.harvard.edu

Patrick T. Ellinor, M.D., Ph.D.
(2003 Award Recipient)
*The Genetics of Atrial Fibrillation: Exploration of Endophenotypes*
Massachusetts General Hospital
pellinor@partners.org

Sean Elliott, Ph.D.
(2004 Award Recipient)
*Thioredoxins, Thioredoxin Reductase adn the Mechanisms of Oxidative Stress*
Boston University
elliott@bu.edu
Patrick Emery, Ph.D.
(2002 Award Recipient)
*Circadian Rhythms and their Synchronization in Drosophila*
University of Massachusetts Medical School
patrick.emery@umassmed.edu

Tamar Enoch, Ph.D.
(July 1993 Award Recipient)
*Using Yeast to Identify New Tumor Suppressor Genes*

Jerry Faust, Ph.D.
(1992 Award Recipient)
*Cloning and Initial Characterization of a Kidney Specific Transporter for Mevalonic Acid*
Tufts University School of Medicine
jerry.faust@tufts.edu

Steven M. Finkbeiner, M.D., Ph.D.
(1998 Award Recipient)
*Molecular Mechanisms of Huntington's Disease*
Gladstone Institute of Neurological Disease
sfinkbeiner@gladstone.ucsf.edu

Matthew L. Freedman, M.D.
(2006 Award Recipient)
*A Genome-Wide Admixture Scan to Identify Genetic Determinants of Basal-Like Breast Cancer*
Dana-Farber Cancer Institute
matthew.freedman@dfci.harvard.edu

Marc R. Freeman, Ph.D.
(2004 Award Recipient)
*Characterizing Core Components of the Glial Cell Machinery*
University of Massachusetts Medical School
marc.freeman@umassmed.edu

Lillian Fritz-Laylin, Ph.D.
(2019 Award Recipient)
*Defining Mechanisms of Pathogenesis of the “Brain-eating Amoeba”*
University of Massachusetts Amherst
lfritzlaylin@umass.edu

Robert C. Fuhlbrigge, M.D., Ph.D.
(1999 Award Recipient)
*Regulation of CTCL Migration to Skin via CLA*
Brigham and Women's Hospital
rfuhlbrigge@partners.org

Jianmin Gao, Ph.D.
(2007 Award Recipient)
*Understanding Beta Sheet Structure within the Membrane Bilayer*
Boston College
gaojc@bc.edu

Neil Joseph Ganem, Ph.D.
(2014 Award Recipient)
*Maintenance of Genome Stability by the Hippo Tumor Suppressor Pathway*
Boston University School of Medicine
nganem@bu.edu

Timothy J. Gardner, Ph.D.
(2009 Award Recipient)
*Exploring the Function of Sleep in Neural Circuit Formation*
Boston University	timothyg@bu.edu

Ethan Clark Garner, Ph.D.
(2012 Award Recipient)
*Building a Mechanistic Understanding of Bacterial Cell Wall Growth using High-Resolution Dynamic Imaging*
Harvard University
egarner@g.harvard.edu
Frank B. Gertler, Ph.D.
(1998 Award Recipient)
Mena Function in Tumor Cell Biology and Metatasis
Massachusetts Institute of Technology
fgertler@mit.edu

Grace Gill, Ph.D.
(1996 Award Recipient)
Regulation of Cell Growth by Cellular EIA-Like Proteins
Tufts University School of Medicine
grace.gill@tufts.edu

Lisa V. Goodrich, Ph.D.
(2003 Award Recipient)
Cellular and Molecular Mechanisms of Sensory System Development
Harvard Medical School
lisa_goodrich@hms.harvard.edu

Fotini Gounari, Ph.D., D.Sc.
(2003 Award Recipient)
Thymocyte Transformation in the DN to DP Transition
University of Chicago
fgounari@medicine.bsd.uchicago.edu

Yonatan Grad, M.D., Ph.D.
(2015 Award Recipient)
Genetic Networks of Antibiotic Resistance in Neisseria gonorrhoeae
Harvard School of Public Health
ygrad@hsph.harvard.edu

Timothy E. Graham, M.D.
(2007 Award Recipient)
Stimulated by Retinoic Acid-6 (Stra6) and Insulin Resistance
University of Utah School of Medicine
tgraham@u2m2.utah.edu

Nikolaus Grigorieff, M.Sc., Ph.D.
(2000 Award Recipient)
Structural Analysis of the Shaker Potassium Channel
Janelia Research Campus
niko@grigorieff.org

Paul Lieberman Greer, Ph.D.
(2018 Award Recipient)
Exploring the Role of a Novel Population of Microglia in Alzheimer's Disease
University of Massachusetts Medical School
Paul.Greer@umassmed.edu

Steven R. Grossman, Ph.D., M.D.
(2000 Award Recipient)
Purification and Analysis of a p53-Targeted Ubiquitin Ligase
Virginia Commonwealth University
srgrossman@vcu.edu

Marc-Jan Gubbels, Ph.D.
(2006 Award Recipient)
Dissection of Toxoplasma gondii Cell Division, an Opportunistic Pathogen Causing Myocarditis and Encephalitis
Boston College
gubbelsj@bc.edu

Piyush Gupta, Ph.D.
(2011 Award Recipient)
Functional Dissection of Invasive Mesenchymal Cancer Cells
Whitehead Institute for Biomedical Research
pgupta@wi.mit.edu

Jeanne A. Hardy, Ph.D.
(2005 Award Recipient)
Designing Allosteric Switches in Caspases
University of Massachusetts Amherst
hardy@chem.umass.edu
Aaron N. Hata, M.D., Ph.D.  
(2017 Award Recipient)  
_Determining the Impact of Therapy-Induced Mutations on Tumor Heterogeneity and Evolution of Acquired Drug Resistance_  
MGH Cancer Center  
ahata@mgh.harvard.edu

Akiko Hata, Ph.D.  
(2001 Award Recipient)  
_Mechanisms of TGF-ß Signal Transduction_  
University of California, San Francisco  
akiko.hata@ucsf.edu

Daniel N. Hebert, Ph.D.  
(1998 Award Recipient)  
_Tyrosine Maturation and Degradation in Normal Melanocytes and Melanoma Cells_  
University of Massachusetts Amherst  
dhebert@biochem.umass.edu

Michael J. Higley, M.D., Ph.D.  
(2010 Award Recipient)  
_Neuromodulation of Synaptic Transmission in the Prefrontal Cortex_  
Yale School of Medicine  
m.higley@yale.edu

Philip W. Hinds, Ph.D.  
(1993 Award Recipient)  
_The Retinoblastoma Protein Pathway in Differentiation, Senescence and Cancer_  
Tufts University, Sackler School  
phinds@tufts.edu

Joel Hirschhorn, M.D., Ph.D.  
(2002 Award Recipient)  
_Comprehensive Evaluation of Reported Associations between Common Gene Variants and Obesity"_  
Boston Children's Hospital  
joelh@broadinstitute.org

Andreas Hochwagen, Ph.D.  
(2007 Award Recipient)  
_Investigating the Role of Checkpoint Adaptation in Anti-Cancer Drug Resistance_  
New York University  
andi@nyu.edu

Ya-Chieh Hsu, Ph.D.  
(2014 Award Recipient)  
_Investigation of How Cell Types from Diverse Lineages Coordinate Changes and Behaviors during Regeneration_  
Harvard University  
yachieh_hsu@harvard.edu

Jianming Hu, M.D., Ph.D.  
(1999 Award Recipient)  
_Host Factors Required for Hepatitis B Virus Assembly and Replication_  
The Pennsylvania State University College of Medicine  
juh13@psu.edu

Paul Huang, M.D., Ph.D.  
(1994 Award Recipient)  
_Vascular Function in Nitric Oxide Synthase Mutant Mice_  
Massachusetts General Hospital  
huangp@helix.mgh.harvard.edu

Jun R. Huh, Ph.D.  
(2013 Award Recipient)  
_Bacterial Regulators of Immunity and their Modulation of Host Transcription Factors_  
University of Massachusetts Medical School  
Jun.Huh@umassmed.edu

Craig P. Hunter, Ph.D.  
(1997 Award Recipient)  
_Identifying the Regulatory Targets of pal-1_  
Harvard University  
hunter@mcb.harvard.edu
Tyler Jacks, Ph.D.  
(1992 Award Recipient)  
*Functional Analysis of the p53 Gene*  
David H. Koch Institute for Integrative Cancer Research at MIT  
tjacks@mit.edu

Ankur Jain, Ph.D.  
(2018 Award Recipient)  
*Identifying Cellular Suppressors of RNA Aggregation*  
Whitehead Institute for Biomedical Research  
ajain@wi.mit.edu

James Jeanne, Ph.D.  
(2019 Award Recipient)  
*Cracking the neural code for perception by writing spikes into neural circuits*  
Yale University  
james.jeanne@yale.edu

David Jeruzalmi, Ph.D.  
(2002 Award Recipient)  
*Structure and Function of Biological Assemblies*  
The City College of New York  
dj@ccny.cuny.edu

Karla R Kaun, Ph.D.  
(2014 Award Recipient)  
*Neuro-molecular Mechanisms Underlying Alcoholism*  
Brown University  
karla_kaun@brown.edu

Aleksandar David Kostic, Ph.D.  
(2016 Award Recipient)  
*Immunological Investigation of Human Type 1 Diabetes-Associated Microbiomes in the Gnotobiotic Autoimmune Diabetic Mouse*  
Joslin Diabetes Center  
adkostic@gmail.com

Philip J. Kranzusch, Ph.D.  
(2016 Award Recipient)  
*Mechanism of Activation of a New Human RNA Second Messenger Signaling Enzyme*  
Dana-Farber Cancer Institute  
philip.kranzusch@dfci.harvard.edu

Jordan A. Kreidberg, M.D., Ph.D.  
(1995 Award Recipient)  
*A Transgenic Mouse Model of Wilms' Tumor*  
Boston Children's Hospital  
jordan.kreidberg@childrens.harvard.edu

Joshua Kritzer, Ph.D., M.Sc.  
(2009 Award Recipient)  
*Targeting Hsp90 with Small Cyclic Peptides*  
Tufts University  
joshua.kritzer@tufts.edu

Andrew Kruse, Ph.D.  
(2015 Award Recipient)  
*A New Approach to Targeting GPCRs*  
Harvard Medical School  
andrew.kruse@hms.harvard.edu

Galit Lahav, Ph.D.  
(2005 Award Recipient)  
*p53 Dynamics and Control of Cell Fate*  
Harvard Medical School  
Galit_Lahav@hms.harvard.edu

David Lambright, Ph.D.  
(1996 Award Recipient)  
*Structural Determinants of G Protein Coupled Signal Transduction*  
University of Massachusetts Medical School  
david.lambright@umassmed.edu

Matthew J. LaVoie, Ph.D.  
(2005 Award Recipient)  
*The Role of Protein Modification and Dysfunction in Parkinson's Disease*  
Brigham and Women's Hospital  
mlavoie@rics.bwh.harvard.edu
Nathan D. Lawson, Ph.D.  
(2003 Award Recipient)  
*Genetic Dissection of the Vascular Endothelial Growth Factor Signaling Pathway*  
University of Massachusetts Medical School  
nathan.lawson@umassmed.edu

Michael Jungho Lee, Ph.D.  
(2014 Award Recipient)  
*Micro-Environmental Regulation of Network State and Drug Sensitivity in Triple-Negative Breast Cancer*  
University of Massachusetts Medical School  
michael.lee@umassmed.edu

Jacqueline A. Lees, Ph.D.  
(1995 Award Recipient)  
*The Role of pRB and E2F in Tumorigenesis*  
Massachusetts Institute of Technology  
jalees@mit.edu

Bernardo Lemos, Ph.D.  
(2013 Award Recipient)  
*Heterochromatin Variation, Bisphenol A sensitivity, and Environmental Epigenomics*  
Harvard School of Public Health  
blemos@hsph.harvard.edu

Anthony Letai, M.D., Ph.D.  
(2004 Award Recipient)  
*Decoding BCL-2 Family Interactions to Promote Cancer Cell Death*  
Dana-Farber Cancer Institute  
anthony letting@dfci.harvard.edu

Michael Levin, Ph.D.  
(2001 Award Recipient)  
*The Role of KATP Ion Channels in Embryonic Development*  
Tufts University  
michael.levin@tufts.edu

Laura Lewis, Ph.D.  
(2019 Award Recipient)  
*Whole-brain dopamine dynamics underlying sleep and wakefulness*  
Boston University  
ldlewis@bu.edu

Gene-Wei Li, Ph.D.  
(2016 Award Recipient)  
*Breaking the Robustness of Bacterial Translation*  
Massachusetts Institute of Technology  
gwli@mit.edu

Rong Li, Ph.D.  
(1995 Award Recipient)  
*The Role of Cdc42 in Actin Cytoskeleton Assembly*  
Stowers Institute for Medical Research  
rl@stowers.org

Maofu Liao, Ph.D.  
(2016 Award Recipient)  
*Cryo-EM Studies of Multidrug Resistance Conferring by Human ABC Transporters*  
Harvard Medical School  
liaomaofu@gmail.com

Stuart Licht, Ph.D.  
(2002 Award Recipient)  
*Interactions of Sulfonyluria Anti-Diabetic Agents with the ATP-Sensitive Potassium Channel*  
Sanofi-Aventis  
stuart.licht@sanofi-aventis.com

Tami Lieberman, Ph.D.  
(2018 Award Recipient)  
*Determinants of Bacterial Colonization of Facial Skin*  
Massachusetts Institute of Technology  
tami@mit.edu
Klaus Lindpaintner, M.D. (1993 Award Recipient)
Molecular Genetics of Hypertension and Stroke
Thermo Fisher Scientific
klaus.lindpaintner@thermofisher.com

Myra Lipes, M.D. (1994 Award Recipient)
A Transgenic Approach to the Study of Tolerance Induction in Type I Diabetes
Joslin Diabetes Center
myra.lipes@joslin.harvard.edu

Joseph J. Loparo, Ph.D. (2011 Award Recipient)
Exploring the Molecular Mechanisms of Translesion DNA Synthesis through Single-Molecule Microscopy
Harvard Medical School
joseph_loparo@hms.harvard.edu

Bradford B. Lowell, M.D., Ph.D. (1994 Award Recipient)
The B3-Adrenergic Receptor: A Gene Knockout Analysis of Function
Beth Israel Deaconess Medical Center
blowell@bidmc.harvard.edu

Gavin MacBeath, Ph.D. (2002 Award Recipient)
Towards the System-Wide Study of Neuronally-Expressed PDZ Domains
Merrimack Pharmaceuticals
gmacbeath@merrimackpharma.com

Sibongile Mafu, Ph.D. (2018 Award Recipient)
Discovery and Mechanism of Plant-Derived Antifungals
University of Massachusetts Amherst
smafu@umass.edu

Amity Lynn Manning, Ph.D. (2017 Award Recipient)
Epigenetic Regulation of Mitotic Fidelity
Worcester Polytechnic Institute
almanning@wpi.edu

Katherine M. Martien, M.D. (2000 Award Recipient)
The Efficacy of Valproic Acid in the Treatment of Autism Associated with Regression and/or Severe Sleep Disturbance
LADDERS Clinic
kmartien@partners.org

Steven A. McCarroll, Ph.D. (2010 Award Recipient)
Finding the Human Genome's Missing Pieces
Harvard Medical School
mccarroll@genetics.med.harvard.edu

Andrea I. McClatchey, Ph.D. (1999 Award Recipient)
Identification of the Molecular Function of the NF2 Tumor Suppressor, Merlin
Massachusetts General Hospital
mcclatch@helix.mgh.harvard.edu

David E. Moller, M.D. (1992 Award Recipient)
Molecular Genetic Analysis of Candidate P.O. Genes for Insulin Resistance
Eli Lilly and Company
mollerda@lilly.com

Babak Momeni, Ph.D. (2017 Award Recipient)
Elucidating the Molecular Mechanisms of Microbial Interactions Using Tn-Seq
Boston College
momeni@bc.edu
Melissa J. Moore, Ph.D.
(1994 Award Recipient)
*Dynamics of Protein-RNA Interaction in the Mammalian Spliceosome*
University of Massachusetts Medical School
melissa.moore@umassmed.edu

Martin G. Myers, M.D., Ph.D.
(1998 Award Recipient)
*Molecular Determinants of Leptin Receptor/Jak2 Signaling*
University of Michigan Medical School
mgmyers@umich.edu

Sarah E. O’Connor, Ph.D.
(2003 Award Recipient)
*Human Biosynthesis of Alkaloids: Chemical Inducers of Parkinson’s Disease*
The John Innes Center
Sarah.O’Connor@jic.ac.uk

Jose Ordovas-Montanes, Ph.D.
(2019 Award Recipient)
*Inflammatory Memory and Adaptation in Human Intestinal Epithelial Stem Cells*
Boston Children’s Hospital
Jose.Ordovas-Montanes@childrens.harvard.edu

Lauren Orefice, Ph.D.
(2019 Award Recipient)
*Development, Function and Dysfunction of Peripheral Sensory Neurons: Insights for Autism Spectrum Disorders*
Massachusetts General Hospital
orefice@molbio.mgh.harvard.edu

Noah Wolcott Palm, Ph.D.
(2016 Award Recipient)
*A Universal Genetic Toolkit to Illuminate Host-Microbiota Interactions*
Yale University
noah.palm@yale.edu

Suzanne Paradis, Ph.D.
(2008 Award Recipient)
*Dissecting the Function of Semaphorin 4B in Excitatory and Inhibitory Synapse Formation*
Brandeis University
paradis@brandeis.edu

Sareh Parangi, M.D.
(1999 Award Recipient)
*Antiangiogenic Therapy, A Novel Therapy for Pancreatic Cancer*
Massachusetts General Hospital
sparangi@partners.org

Christopher L. Passaglia, Ph.D.
(2005 Award Recipient)
*Retinal Coding of Visual Information in Glaucomatous Eyes*
University of South Florida
passaglia@usf.edu

R. Christopher Pierce, Ph.D.
(1999 Award Recipient)
*Neurotrophins and Cocaine Addiction*
University of Pennsylvania School of Medicine
rcpierce@mail.med.upenn.edu

Emmanuel N. Pothos, Ph.D.
(2002 Award Recipient)
*The Effects of Dietary Obesity on CNS Reward Systems*
Tufts University School of Medicine
Emmanuel.Pothos@tufts.edu

Sridhar Ramaswamy, M.D.
(2002 Award Recipient)
*Molecular Diagnostics for Cancer Metastasis*
Massachusetts General Hospital Cancer Center
sridhar@mgh.harvard.edu
Peter W. Reddien, Ph.D.
(2006 Award Recipient)
*Regulation of Stem Cells for Regeneration in Planarians*
Whitehead Institute for Biomedical Research
reddien@wi.mit.edu

Nicholas Rhind, Ph.D.
(2001 Award Recipient)
*The Role of Induced Recombination in the Fission Yeast S-phase DNA Damage Checkpoint*
University of Massachusetts Medical School
nick.rhind@umassmed.edu

John Rinn, Ph.D.
(2008 Award Recipient)
*Large Intergenic Non-Coding RNAs in Cancer*
Harvard University
john_rinn@harvard.edu

Tobias Ritter, Ph.D.
(2008 Award Recipient)
*Approach to Access Positron-Emission-Tomography (PET) Tracers for Molecular Imaging*
Harvard University
ritter@chemistry.harvard.edu

W. Benjamin Rogers, Ph.D.
(2017 Award Recipient)
*Developing DNA Nanotechnology Tools for Probing RNA Secondary Structure and RNA-Protein Interactions*
Brandeis University
wrogers@brandeis.edu

Silvia Rouskin, Ph.D.
(2016 Award Recipient)
*Identifying the Factors Required for mRNA Localization During Metazoan Development*
Whitehead Institute for Biomedical Research
srouskin@wi.mit.edu

Sandra Ryeom, Ph.D.
(2005 Award Recipient)
*Cancer Protection by the Down Syndrome Candidate Region-1 Gene*
University of Pennsylvania School of Medicine
sryeom@upenn.edu

Bernardo L. Sabatini, M.D., Ph.D.
(2001 Award Recipient)
*The Role of Regulated Protein Translation in Synapse Formation and Spine Growth*
Harvard Medical School
Bernardo_Sabatini@hms.harvard.edu

Adrian Salic, Ph.D.
(2005 Award Recipient)
*Chromosome Segregation in Vertebrates: A Multidisciplinary Approach to Understanding Kinetochore Function and Centromeric Cohesion*
Harvard Medical School
adrian_salic@hms.harvard.edu

Susan L. Santangelo, Sc.D.
(July 1997 Award Recipient)
*Extremely Discordant Sib-Pairs to Search for Autism Genes*
Massachusetts General Hospital
ssantangelo@pngu.mgh.harvard.edu

Rebecca A Scheck, Ph.D.
(2014 Award Recipient)
*Mapping the Uncharted: Encodable Chemistry to Discover the Role of Glycation in Disease*
Tufts University
rebecca.scheck@tufts.edu
Gabriela Schlau-Cohen, Ph.D. (2015 Award Recipient)  
A Biophysical Toolkit to Explore Bacteria Chemotaxis  
Massachusetts Institute of Technology  
gssc@mit.edu

Dietmar Schmucker, Ph.D. (2001 Award Recipient)  
Function of the Molecular Diversity of Neuronal Receptors  
VIB Vesalius Research Center  
dietmar.schmucker@vib-kuleuven.be

Gavin R. Schnitzler, Ph.D. (2000 Award Recipient)  
Human Chromatin Remodeling Complexes and Transcriptional Control  
Tufts University School of Medicine  
gschnitzler@tuftsmedicalcenter.org

David C. Seldin, M.D., Ph.D. (1996 Award Recipient)  
Casein Kinase II and Lymphomagenesis in Transgenic Mice  
Boston University Medical Center

Piali Sengupta, Ph.D. (1997 Award Recipient)  
Role of Nuclear Receptors in the Chemosensory System of C. elegans  
Brandeis University  
sengupta@brandeis.edu

Matthew D. Shair, Ph.D. (1997 Award Recipient)  
Discovery of Small Molecules which Disrupt Protein-Protein Interactions  
Harvard University  
shair@chemistry.harvard.edu

Sichen Shao, Ph.D. (2017 Award Recipient)  
Mechanistic Dissection of Tail-Anchored Membrane Protein Sorting  
Harvard Medical School  
sichen_shao@hms.harvard.edu

Ann M. Sheehy, Ph.D. (2007 Award Recipient)  
Harnessing the Power of the Anti-HIV Protein APOBEC3G  
College of the Holy Cross  
asheehy@holycross.edu

Michael Y. Sherman, Ph.D. (1996 Award Recipient)  
Molecular Chaperones and Degradation of Oxidatively Damaged Proteins  
Boston University School of Medicine  
sherma1@bu.edu

Ramesh A. Shivdasani, M.D., Ph.D. (1997 Award Recipient)  
Identification and Characterization of Genes that Regulate Vertebrate Gut Epithelial Cell Differentiation  
Dana-Farber Cancer Institute  
ramesh_shivdasani@dfci.harvard.edu

Matthew Donald Shoulders, Ph.D. (2013 Award Recipient)  
Hijacking the Host Cell's Protein Homeostasis Network to Potentiate Viral Evolution  
Massachusetts Institute of Technology  
mshoulde@mit.edu

Sergei Y. Sokol, Ph.D. (1994 Award Recipient)  
The Dishevelled Gene Product and the Establishment of Dorso-Ventral Polarity in Xenopus Embryos  
Mount Sinai School of Medicine  
sergei.sokol@mssm.edu
Bryan Spring, Ph.D.  
(2017 Award Recipient)  
*Peering into Cancer Stem Cell Niches to Guide Suppression of Multiple Signaling Loop Pathways*  
Northeastern University  
b.spring@northeastern.edu

Mansi Srivastava, Ph.D.  
(2016 Award Recipient)  
*Cellular Dynamics and Regulation of Pluripotent Stem Cells in vivo*  
Harvard University  
mansi@oeb.harvard.edu

Kimberly Stegmaier, M.D.  
(2007 Award Recipient)  
*Chemical Genomic Approach to Modulating Oncogenic Transcription Factors*  
Dana-Farber Cancer Institute  
Kimberly_Stegmaier@dfci.harvard.edu

Beth Stevens, Ph.D.  
(2008 Award Recipient)  
*The Role of the Complement Cascade in Eliminating Synapses during Development and Disease*  
Boston Children's Hospital  
beth.stevens@childrens.harvard.edu

Radhika Subramanian, Ph.D.  
(2015 Award Recipient)  
*Building a Cilium for Intercellular Signaling in Vitro Reconstitution of the Hedgehog Signaling Pathway*  
Massachusetts General Hospital  
radhika@molbio.mgh.harvard.edu

Masahiko Sugita, M.D.  
(2000 Award Recipient)  
*A Novel Pathway for Lipid Antigen Presentation by CD1 Molecules*  
Kyoto University  
msugita@virus.kyoto-u.ac.jp

Elsie M. Sunderland, Ph.D.  
(2012 Award Recipient)  
*Sources, Trends and Effects of Immunotoxic Perfluorinated Compounds*  
Harvard School of Public Health  
esunder@hsph.harvard.edu

Mario Luca Suva, M.D., Ph.D.  
(2014 Award Recipient)  
*Uncovering the Role of Epigenetic Programs in Glioblastoma*  
Massachusetts General Hospital  
Suva.Mario@mgh.harvard.edu

Sam Thiagalingam, Ph.D.  
(2000 Award Recipient)  
hBUB1, an Alternate Target for p53 Inactivation  
Boston University School of Medicine  
samthia@bu.edu

Stefan Thor, Ph.D.  
(2000 Award Recipient)  
*Specification of Neuronal Cell Identities during Drosophila Embryogenesis*  
Linköping University  
stefan.thor@liu.se

Alex Toker, Ph.D.  
(1998 Award Recipient)  
The Role of Protein Kinase C in Integrin-Mediated Tumor Invasion  
Beth Israel Deaconess Medical Center  
atoker@bidmc.harvard.edu

Eduardo M. Torres, Ph.D.  
(2012 Award Recipient)  
*Role of Protein Turnover Pathways in Aneuploid Cells*  
University of Massachusetts Medical School  
eduardo.torres@umassmed.edu
Shannon J. Turley, Ph.D.  
(2005 Award Recipient)  
*Targeting IkappaB Kinase in Dendritic Cells to Prevent Pancreatic Cancer*  
Genentech  
turley.shannon@gene.com

Naoshige Uchida, Ph.D.  
(2007 Award Recipient)  
*Elucidating Neural Circuits Underlying Decision-Making in Rodents*  
Harvard University  
uchida@mcb.harvard.edu

Sander van den Heuvel, Ph.D.  
(1998 Award Recipient)  
*Genetic Analysis of Cell-Cycle Regulation and Checkpoint Control*  
Utrecht University  
s.j.l.vandenHeuvel@uu.nl

Douglas E. Vetter, Ph.D.  
(2001 Award Recipient)  
*A Transgenic and Proteomic Analysis of Olivocochlear System Function and Development*  
The University of Mississippi Medical Center  
dvetter@umc.edu

Amy J. Wagers, Ph.D.  
(2004 Award Recipient)  
*Intrinsic and Extrinsic Regulators of Hematopoietic Stem Cell Function*  
Joslin Diabetes Center  
amy.wagers@joslin.harvard.edu

Yong-Xu Wang, Ph.D.  
(2006 Award Recipient)  
*Transcriptional Control of Hepatic Gluconeogenesis by Twist-1*  
University of Massachusetts Medical School  
yongxu.wang@umassmed.edu

Hongwei Wang, Ph.D.  
(2009 Award Recipient)  
*Structure and Mechanism of the Human RISC-Loading Complex*  
Yale University  
hongwei.wang@yale.edu

Matthew G. Vander Heiden, M.D., Ph.D.  
(2010 Award Recipient)  
*The Impact of Pyruvate Kinase Activity on Cancer Cell Metabolism and Tumor Growth In Vivo*  
Massachusetts Institute of Technology  
mvh@mit.edu

Steven Warach, M.D., Ph.D.  
(1993 Award Recipient)  
*Distinguishing Reversible from Irreversible Ischemic Neuronal Injury*  
Seton/UT Southwestern Medical Center  
swarach@seton.org

H. Christian Weber, M.D.  
(1999 Award Recipient)  
*Human Gastrin-Releasing Peptide Receptor Gene Regulation*  
Boston University School of Medicine  
christian.weber@bmc.org
Eranthie Weerapana, Ph.D. (2011 Award Recipient)
*Activity-Based Proteomic Approaches to Investigate Aging in C. Elegans*
Boston College
eranthie@bc.edu

Kristin White, Ph.D. (1996 Award Recipient)
*Genetic Control of Apoptosis in Drosophila*
Massachusetts General Hospital
kwhite4@partners.org

Jessica LaMae Whited, Ph.D. (2013 Award Recipient)
*Understanding Information-Encoding During Salamander Limb Regeneration*
Brigham and Women's Hospital
jwhited@partners.org

Rachel I. Wilson, Ph.D. (2004 Award Recipient)
*Synaptic Mechanisms of Chemical Stimulus Encoding*
Harvard Medical School
Rachel_Wilson@hms.harvard.edu

Florian Winau, M.D. (2009 Award Recipient)
*Hepatic Stellate Cells Instruct Lymphoid Progenitors to Home to the Thymus*
Immune Disease Institute
florian.winau@childrens.harvard.edu

Yong Xiong, Ph.D. (2006 Award Recipient)
*Mechanisms of HIV Suppression by Human Antiviral Protein APOBEC3G and HIV’s Countermeasures*
Yale University
yong.xiong@yale.edu

Lee Zou, Ph.D. (2004 Award Recipient)
*Sensing and Signaling DNA Damage in Human Cells*
Massachusetts General Hospital
zou.lee@mgh.harvard.edu