



# Harvard University Program in Neuroscience

## History of Enrollment in The Program in Neuroscience



**Nicholas Spitzer, M.D./Ph.D.**

*B.A., Harvard College*

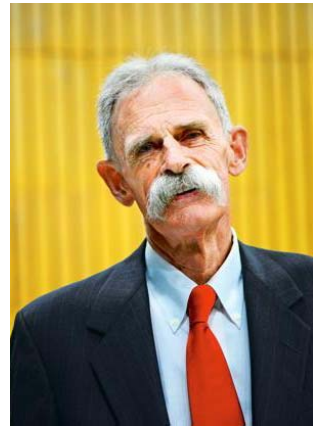
*Entered 1966 \* Defended May 14, 1969*

*Advisor: David Potter*

**A Physiological and Histological Investigation  
of the Intercellular Transfer of Small Molecules**

---

**Professor of Neurobiology  
University of California at San Diego**



**Eric Frank, Ph.D.**

*B.A., Reed College*

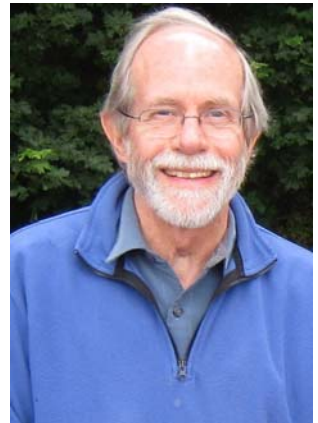
*Entered 1967 \* Defended January 17, 1972*

*Advisor: Edwin J. Furshpan*

**The Control of Facilitation at the Neuromuscular Junction of the Lobster**

---

**Professor Emeritus of Physiology  
Tufts University School of Medicine**



**Albert Hudspeth, M.D./Ph.D.**

*B.A., Harvard College*

*Entered 1967 \* Defended April 30, 1973*

*Advisor: David Potter*

**Intercellular Junctions in Epithelia**

---

**Professor of Neuroscience  
The Rockefeller University**



**David Van Essen, Ph.D.**

*B.S., California Institute of Technology*

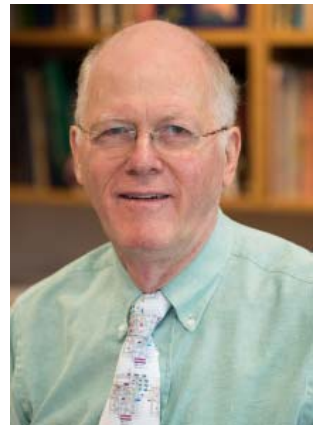
*Entered 1967 \* Defended October 22, 1971*

*Advisor: John Nicholls*

**Effects of an Electronic Pump on Signaling by Leech Sensory Neurons**

---

**Professor of Anatomy and Neurobiology  
Washington University**





David Van Essen, Eric Frank, and Albert Hudspeth  
At the 50th Anniversary celebration for the creation of the Harvard Department of Neurobiology  
October 7, 2016



## Richard Mains, Ph.D.

*Sc.B., M.S., Brown University*

*Entered 1968 \* Defended April 24, 1973*

*Advisor: David Potter*

**Tissue Culture of Dissociated Primary Rat Sympathetic Neurons:  
Studies of Growth, Neurotransmitter Metabolism, and Maturation**

---

**Professor of Neuroscience  
University of Connecticut Health Center**



## Peter MacLeish, Ph.D.

*B.E.Sc., University of Western Ontario*

*Entered 1969 \* Defended December 29, 1976*

*Advisor: David Potter*

**Synapse Formation in Cultures of Dissociated Rat Sympathetic Neurons  
Grown on Dissociated Rat Heart Cells**

---

**Professor and Director of the Neuroscience Institute  
Morehouse School of Medicine**



## Peter Sargent, Ph.D.

*B.A., Amherst College*

*Entered 1969\* Defended March 21, 1975*

*Advisor: Zachary Hall*

**Transmitters in the Leech Central Nervous System:  
Analysis of Sensory and Motor Cells**

---

**Professor Emeritus of Cell and Tissue Biology  
University of California at San Francisco School of Dentistry**



## Bruce Wallace, Ph.D.

*B.A., Amherst College*

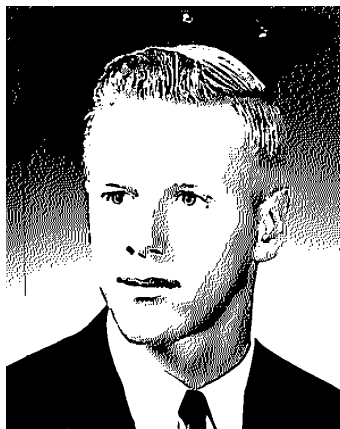
*Entered 1969 \* Defended September 27, 1974*

*Advisor: Edward Kravitz*

**The Biosynthesis of Octopamine in the Nervous System  
of the Lobster, *Homarus americanus***

---

**Professor Emeritus  
University of Colorado School of Medicine**



## **Joshua Sanes, Ph.D.**

*B.A., Yale University*

*Entered 1970 \* Defended January 15, 1976*

*Advisor: John Hildebrand*

**Origin and Differentiation of Sensory Neurons in an Insect Antenna**

---

**Professor of Molecular and Cellular Biology  
Harvard University**



## **Colin Nurse, Ph.D.**

*B.Sc., University of Western Ontario*

*Entered 1971 \* Defended May 11, 1977*

*Advisor: David Potter*

**The formation of cholinergic synapses between dissociated rat sympathetic neurons and skeletal myotubes in cell culture**

---

**Professor Emeritus of Biology  
McMaster University**



## **Carla Shatz, Ph.D.**

*B.A., Radcliffe College*

*M.Phil., University College, London*

*Entered 1971 \* Defended March 25, 1976*

*Advisor: David Hubel*

**A Study of Abnormal Connections in the Visual System of the Siamese Cat, a Genetic Mutant**

---

**Professor of Neurobiology  
Stanford University**



## **King-Wai Yau, M.D./Ph.D.**

*A.B., Princeton University*

*Entered 1971 \* Defended October 31, 1975*

*Advisor: John Nicholls*

**Receptive Fields, Geometry and Conduction Block of Sensory Cells in the Leech Central Nervous System**

---

**Professor of Neuroscience  
Johns Hopkins University School of Medicine**



**Linda Lai Yue Chun, Ph.D.**

*B.S., Illinois Institute of Technology*  
*Entered 1972 \* Defended May 9, 1977*  
*Advisor: Paul Patterson*

**The Role of Nerve Growth Factor in the Development  
of Rat Sympathetic Neurons *in vitro***

---

**Assistant in Molecular Biology  
Seed Lab, Massachusetts General Hospital**



**Charles Gilbert, M.D./Ph.D.**

*B.A., Amherst College*  
*Entered 1971 \* Defended July 22, 1976*  
*Advisor: David Hubel*

**Laminar Organization of Cat Visual Cortex**

---

**Professor of Neurosciences and Behavior  
Rockefeller University**



**Duane Edgington, Ph.D.**

*B.S., California Institute of Technology*  
*Entered 1973 \* Defended July 28, 1978*  
*Advisor: Anne Stuart*

**Properties and Distribution of Ionic Channels in a Photoreceptor Neuron**

---

**Software Engineer  
Monterey Bay Aquarium Research Institute**



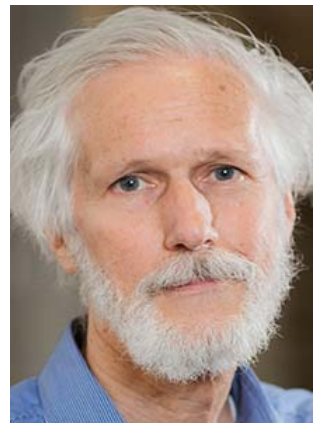
**Patrick Hogan, Ph.D.**

*A.B., Harvard College*  
*Entered 1973 \* Defended September 29, 1983*  
*Advisor: David Potter*

**Expression of Markers for Pain Sensory Neurons in Cell Culture**

---

**Professor, Division of Signaling and Gene Expression  
La Jolla Institute for Allergy and Immunology**



## **Crispin Weinberg, Ph.D.**

*S.B., S.M., University of Chicago  
Entered 1973 \* Defended August 21, 1980  
Advisor: Zachary Hall*

**Molecular Specializations at Mature and  
Developing Neuromuscular Junctions in Adult Rats**

---

**President and Founder  
Biomedical Modeling, Inc.**



## **Kathleen Buckley, Ph.D.**

*A.B., Radcliffe College  
Entered 1974 \* Defended October 30, 1980  
Advisor: Story Landis*

**Morphological and Functional Studies of Synapses and Varicosities  
in Cultures of Dissociated Rat Sympathetic Neurons**

---

**Associate Provost for Science  
Harvard University**



## **David Ferster, Ph.D.**

*Sc.B., Brown University  
Entered 1973 \* Defended October 23, 1979  
Advisor: David Hubel*

**Cortical Mechanisms of Depth Vision in the Cat**

---

**Professor Emeritus  
Northwestern University**



## **Steve Hauger, Ph.D.**

*B.S., Stanford University  
Entered 1974 \* Defended January 14, 1981  
Advisor: Edward Furshpan*

**The Spatial Distribution of Sensitivity to Acetylcholine  
of Rat Sympathetic Neurons in Cell Culture**

---

**Stained Glass Artisan**





**Margaret Livingstone, Ph.D.**

*B.S., Massachusetts Institute of Technology*

*Entered 1974 \* Defended February 20, 1980*

*Advisor: Edward Kravitz*

**Monoamines in the Lobster:  
Biochemistry, Anatomy, and Possible Functional Role**

---

**Professor of Neurobiology  
Harvard Medical School**



**Patricia Walicke, M.D./Ph.D.**

*B.S., Massachusetts Institute of Technology*

*Entered 1975 \* Defended October 11, 1979*

*Advisor: Paul Patterson*

**Role of Calcium and Cyclic AMP in the Mechanism  
of the Development Effects of Neuronal Activity**

---

**Senior Health Sciences Administrator  
National Institute of Neurological Disorders and Stroke**



**Sue Schneps, A.M.**

*B.S., Massachusetts Institute of Technology*

*Entered 1976 \* Left June 1, 1980*

---

**Withdrew with Master's degree  
Jewelry Designer and Owner,  
Sea and Star Designs**

**Leslie Timpe, Ph.D.**

*A.B., Princeton University*

*Entered 1976 \* Defended September 8, 1982*

*Advisor: Ann Stuart*

**The Roles of Acetylcholine and Gamma-aminobutyric Acid  
in the Visual System of the Barnacle**

---

**Lecturer  
San Francisco State University**





**Paul Desan, Ph.D.**

*A.B., Princeton University*

*Entered 1977 \* Defended June 27, 1984*

*Advisor: Simon LeVay*

**The Organization of the Cerebral Cortex of the Pond Turtle,  
*Pseudemys scripta elegans***

---

**Assistant Professor of Psychiatry  
Yale University School of Medicine**



**Thomas Schwarz, Ph.D.**

*A.B., Harvard College*

*Entered 1977 \* Defended June 27, 1983*

*Advisor: Edward Kravitz*

**Proctolin in the Lobster and Protein Phosphorylation  
in a Lobster Muscle**

---

**Professor of Neurobiology  
Harvard Medical School**



**Allison Doupe, M.D./Ph.D.**

*DCS, B.Sc., McGill University*

*Entered 1978 \* Defended April 26, 1984*

*Advisor: Paul Patterson*

**Role of Glucocorticoids and Growth Factors  
in the Development of Neural Crest Derivatives**

---

**Deceased October 24, 2014  
(Formerly Professor at University of California, San Francisco)**



**Jonathan Horton, M.D./Ph.D.**

*A.B., Stanford University*

*Entered 1978 \* Defended February 16, 1983*

*Advisor: Simon LeVay*

**Cytochrome Oxidase Patches: A New Cytoarchitectonic Feature**

---

**Professor of Ophthalmology  
University of California at San Francisco**



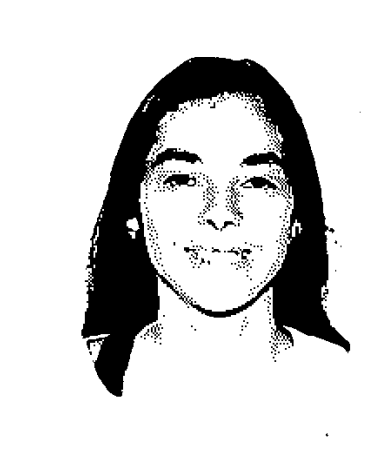


**Kathleen King Siwicki, Ph.D.**

*Sc.B., Brown University  
M.Phil., Cambridge University  
Entered 1782 \* Defended May 7, 1985  
Advisor: Edward Kravitz*

**The Neuropeptide, Proctolin, in the Lobster Nervous System:  
Cellular Distribution of Proctolin-Like Antigens and Biochemical Studies  
of Identified Neurons**

Professor of Neurobiology  
Swarthmore College



**Karla Kent, Ph.D.**

*B.S., University of California at Santa Barbara  
M.A., Boston University  
Entered 1979 \* Defended October 11, 1985  
Advisor: John Hildebrand*

**Metamorphosis of the antennal center and the influence  
of sensory innervation on the formation of glomeruli  
in the hawk moth *Manduca sexta***

Professor, Integrative Biosciences  
Oregon Health Sciences University School of Dentistry



**Anne Schneiderman, Ph.D.**

*B.S., Stanford University  
Entered 1979 \* Defended July 16, 1984  
Advisor: John Hildebrand*

**Postembryonic Development of a Sexually Dimorphic Sensory Pathway  
in the Central Nervous System of the Sphinx Moth, *Manduca Sexta***

Patent Attorney  
Harris Beach LLC



**Leslie Stevens, Ph.D.**

*A.B., University of California at Berkeley  
Entered 1979 \* Defended March 27, 1987  
Advisor: Story Landis*

**Postembryonic Development of a Sexually Dimorphic Sensory Pathway  
in the Central Nervous System of the Sphinx Moth, *Manduca Sexta***

Research Assistant Professor  
University of Texas at Austin (Stein Lab)





**Daniel Tso, Ph.D.**

*A.B., Harvard College  
Entered 1980 \* Defended May 7, 1987  
Advisor: Torsten Wiesel*

**Connectivity and Functional Organization  
in the Mammalian Visual Cortex**

---

**Associate Professor**

**Upstate Medical University of the State University of New York**



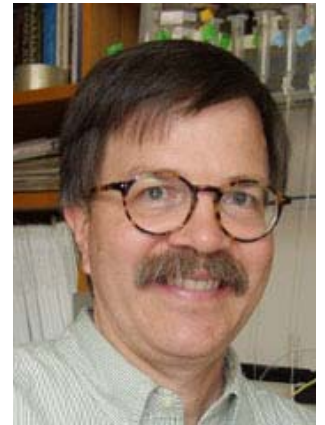
**James Huettner, Ph.D.**

*B.S., B.A., Indiana University of Pennsylvania  
Entered 1981 \* Defended January 15, 1987  
Advisor: Robert Baughman*

**Properties of Identified Corticocollicular Neurons  
in Primary Cultures of Rat Visual Cortex**

---

**Professor of Cell Biology and Physiology  
Washington University School of Medicine**



**Susan McConnell, Ph.D.**

*B.A., Radcliffe College  
Entered 1981 \* Defended March 16, 1987  
Advisor: Simon LeVay*

**Fates of Transplanted Visual Cortical Neurons**

---

**Professor of Biology  
Stanford University School of Medicine**



**Dinah Sah, Ph.D.**

*B.S., Massachusetts Institute of Technology  
Entered 1981 \* Defended February 12, 1987  
Advisor: David Potter*

**Serotonin and Neuropeptides in Cultured Principal Neurons  
of the Rat Superior Cervical Ganglion**

---

**Chief Scientific Officer  
Voyager Therapeutics**





### **Alfred Sandrock, M.D./Ph.D.**

*B.A., Stanford University*

*Entered 1981 \* Defended February 12, 1987*

*Advisor: William Matthew*

**The Immunologic Identification of Molecules  
which Promote the Regeneration of Neuronal Axons**

---

**Chief Scientific Officer and Executive Vice President  
Biogen IDEC, Inc.**



### **Leonard Levin, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 1982 \* Defended April 28, 1988*

*Advisor: Howard Weiner*

**Immune Functions of Astrocytes**

---

**Professor of Ophthalmology  
McGill University**



### **Michael Shepley, M.D./Ph.D.**

*B.S., Northeastern University*

*M.S.B.E., Massachusetts Institute of Technology*

*Entered 1982 \* Defended November 21, 1988*

*Advisor: Edward Kravitz*

**Monoclonal antibody identification of a 100-kDa membrane protein in  
HeLa cells and human spinal cord involved in poliovirus attachment**

---

**Deceased October 15, 2000  
(formerly Assistant Professor at SUNY Stony Brook)**



### **David Turner, Ph.D.**

*B.A., Northwestern University*

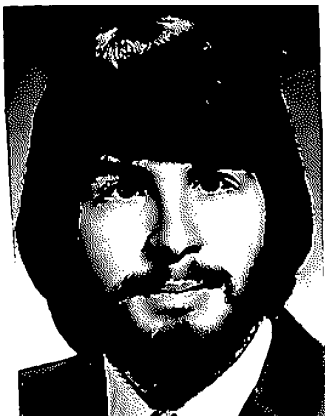
*Entered 1982 \* Defended March 21, 1989*

*Advisor: Connie Cepko*

**Cell Lineage in the Rat and Mouse Retinas**

---

**Associate Professor of Biological Chemistry and Neuroscience  
University of Michigan Medical School**





## Otto Von Franque

*B.A., Yale University  
Entered 1982 \* Left August 24, 1984*

---

**Withdrew without taking degree  
Enrolled in M.D. program at Stanford University  
Physician**



## Mary Womack, Ph.D.

*B.A., Northwestern University  
Entered 1982 \* Defended April 16, 1990  
Advisor: Thomas Jessell*

**Mechanisms Underlying Modulation  
of Dorsal Horn Neurons by Substance**

---

**Instructor, Math and Natural Sciences  
Nashville State Community College**



## Junying Yuan, Ph.D.

*B.S., Fudan University  
Entered 1981 \* Defended May 9, 1989  
Advisor: Robert Horvitz*

**Genetic and Molecular Studies of Two Genes that Control  
Programmed Cell Death in the Nematode *C. Elegans***

---

**Professor of Cell Biology  
Harvard Medical School**



## Ben Barres, Ph.D.

*S.B., Massachusetts Institute of Technology  
M.D., Dartmouth Medical School  
Entered 1983 \* Defended March 1, 1990  
Advisor: David Corey*

**Electrophysiology of White Matter Glia**

---

**Deceased, December 27, 2017  
Professor of Neurobiology  
Stanford University School of Medicine**





**David Frim, M.D./Ph.D.**

*A.B., Harvard College*

*B.J.Ed., Hebrew College*

*Entered 1983 \* Defended September 1, 1988*

*Advisor: Martin Moore-Ede*

**Studies in the Structure and Regulation of the mRNA Species  
Encoding Corticotroping Releasing Hormone and Vasopressin**

---

**Professor of Surgery and Neurology  
University of Chicago School of Medicine**



**Timothy Laman, A.M.**

*B.S., Hope College*

*Entered 1983*

---

**Transferred to OEB at Harvard College  
Wildlife Photojournalist, National Geographic**



**Peggy Mason, Ph.D.**

*B.A., Harvard College*

*Entered 1983 \* Defended May 14, 1987*

*Advisor: Edward Kravitz*

**The Intracellularly Recorded Activity of Medullary Raphe Neurons  
During a Nociceptive Trigeminal Reflex**

---

**Professor of Neurobiology  
University of Chicago**



**Anthony Monaco, M.D./Ph.D.**

*A.B., Princeton University*

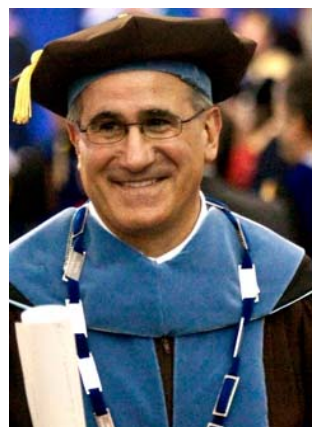
*Entered 1983 \* Defended May 13, 1987*

*Advisor: Edward Kravitz*

**Identification and Partial Cloning of the Locus Response  
for Duchene and Becker Muscular Dystrophy**

---

**President and Professor of Biology  
Tufts University**





**Edus Houston Warren, Ph.D.**

*A.B., Harvard College*

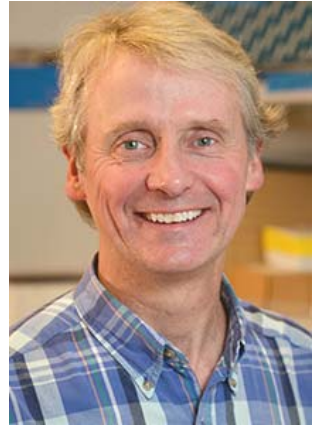
*Entered 1983 \* Defended September 19, 1988*

*Advisor: Charles Liberman*

**Effect of Sound-Evoked Activity in Olivocochlear Efferent Neurons  
on Auditory-Nerve Response**

---

**Professor of Oncology and Medicine  
University of Washington Medical School**



**Daniela Bonafede**

*B.S., California Institute of Technology*

*Entered 1984 \* Left July 1, 1986*

---

**Philanthropist**

**Withdrew without taking degree  
Transferred to Yale University**



**Steven McIntire, M.D./Ph.D.**

*B.S., M.S., Stanford University*

*Entered 1984 \* Defended March 1, 1990*

*Advisor: Robert Horvitz*

**A Genetic Characterization of GABAergic Neurotransmission  
and Axonal Outgrowth in the Nematode *Caenorhabditis elegans***

---

**Clinical Associate Professor, Neurology  
Stanford University School of Medicine**



**Laurie Regan, Ph.D.**

*B.A., Swarthmore College*

*Entered 1983 \* Defended January 10, 1990*

*Advisor: Bruce Bean*

**Calcium Currents in Freshly Dissociated Rat Purkinje  
and Dorsal Root Ganglion Cells**

---

**Dean, School of Classical Chinese Medicine  
National University of Natural Medicine**





**Anna Wang Roe**

*A.B., Harvard College  
Entered 1984 \* Left May 13, 1985*

---

**Withdrew without taking degree  
Transferred to Yale and earned Ph.D. in Neuroscience  
Professor of Neuroscience, Oregon Health & Sciences University**



**Carmela Abraham, Ph.D.**

*B.Sc., Tel Aviv University  
Entered 1985 \* Defended January 12, 1988  
Advisor: Huntington Potter*

**The protease inhibitor,  $\alpha$ 1-antichymotrypsin, in brain aging and disease**

---

**Professor of Biochemistry  
Boston University School of Medicine**



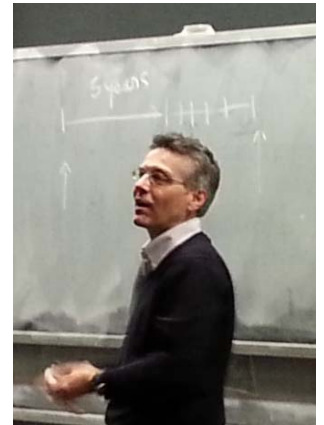
**John Assad, Ph.D.**

*B.A., State University of New York at Buffalo  
Entered 1985 \* Defended June 20, 1991  
Advisor: David Corey*

**Sensory Adaptation of Vertebrate Hair Cells**

---

**Professor of Neurobiology  
Harvard Medical School**



**David Lopes Cardozo, Ph.D.**

*B.A., Concordia University  
B.Sc., Dalhousie University  
Entered 1985 \* Defended June 1, 1993  
Advisor: David Potter*

**Pharmacology of Synaptic Transmission in the Goldfish Sacculus**

---

**Associate Dean, Graduate Student Affairs  
Division of Medical Sciences, Harvard Medical School**





**Chinfei Chen, M.D./Ph.D.**

*B.A.S., University of Pennsylvania  
Entered 1985 \* Defended September 21, 1990  
Advisor: Peter Hess*

**Voltage Dependent Calcium Channels in 3T3 Fibroblasts**

---

**Associate Professor of Neurology  
Harvard Medical School**



**Sheila Nirenberg, Ph.D.**

*B.A., State University of New York at Albany  
Entered 1985 \* Defended June 1, 1992  
Advisor: Connie Cepko*

**Targeted Ablation of Diverse Cell Types in the Nervous System:  
A Method for Blocking Cell-Cell Interactions *in vivo***

---

**Professor of Physiology  
Cornell Weill School of Medicine**



**Philip Starr, M.D./Ph.D.**

*B.A., Princeton University  
Entered 1985 \* Defended March 20, 1989  
Advisor: William Sewell*

**Pharmacology of Synaptic Transmission in the Goldfish Sacculus**

---

**Professor of Neurological Surgery  
University of California at San Francisco Medical Center**



**Rudolph Tanzi, Ph.D.**

*B.S., University of Rochester  
Entered 1985 \* Defended March 19, 1990  
Advisor: James Gusella*

**The Amyloid Beta Protein Precursor Gene  
in Familial and Sporadic Alzheimer's Disease**

---

**Professor of Neurology  
Harvard Medical School**



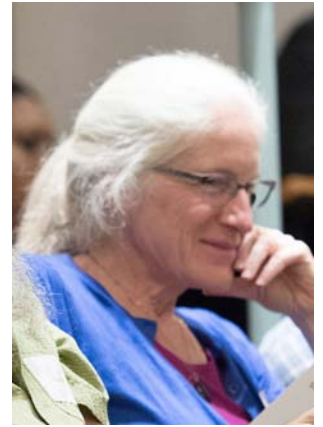


## Margaret Thompson, Ph.D.

*B.S., University of Michigan*  
*Entered 1985 \* Defended August 2, 1993*  
*Advisor: Michael E. Greenberg*  
**Regulation of c-fos Transcription by Calcium**

---

**Director, IDDRC Core**  
**Boston Children's Hospital**



## Christian Titlow, Ph.D.

*B.S., California Institute of Technology*  
*Entered 1985 \* Defended June 8, 1992*  
*Advisor: Xandra Breakefield*  
**Assembly of Human Monoamine Oxidase Type B (MAO-B) Into the Mitochondrial Outer Membrane: Support for a New Class of Leader Sequences**

---

**Whereabouts Unknown**



## Margot Utterback

*B.S., University of California at Los Angeles*  
*Entered 1985 \* Left September 1, 1992*  
*Advisor: Lydia Villa-Komaroff*

---

**Withdrew without taking degree**  
**Whereabouts Unknown**



## Wendy Weiger, M.D./Ph.D.

*A.B., Harvard College*  
*Entered 1985 \* Defended February 14, 1995*  
*Advisor: Edward Kravitz*  
**Serotonergic Neurons in the Lobster: Excitatory and Inhibitory Inputs**

---

**Physician, author, wilderness guide,**  
**and environmental activist**





## Mel Feany, M.D./Ph.D.

*A.B., Harvard College*

*Entered 1986 \* Defended April 29, 1993*

*Advisor: Kathleen Buckley and Margaret Livingstone*

**Molecular Analyses of Synaptic Vesicle Proteins/  
Genetic and Molecular Studies of *Drosophila* Learning Mutants**

---

**Professor of Pathology  
Harvard Medical School**



## Carl Fulwiler, M.D./Ph.D.

*B.A., Hofstra University*

*M.D., Washington University*

*Entered 1986 \* Defended May 31, 1995*

*Advisor: John Dowling*

**Genetic Analysis of Retinal Development in Zebrafish**

---

**Professor of Psychiatry and Medicine  
University of Massachusetts Medical School  
Chief Medical Officer  
TaraVista Behavioral Health Center**



## Linda Kobierski, Ph.D.

*B.S., Simmons College*

*Entered 1986 \* Defended May 5, 1993*

*Advisor: Michael Comb*

**Proenkephalin Gene Expression: Mechanisms of cAMP Regulation**

---

**PK-8 STEM Curriculum Coordinator  
Dedham Public Schools**



## Julie Nardone, Ph.D.

*A.B., Harvard College*

*Entered 1986 \* Defended April 20, 1993*

*Advisor: David Potter*

**Site-Directed Mutagenesis of a B2 Bradykinin Receptor**

---

**Principal Scientist  
EMD Serono, Inc.**



**Bradford Navia, Ph.D.**

*B.A., M.D., Columbia University*  
*Entered 1986 \* Defended August 12, 1995*  
*Advisor: Gail Bruns*

**Molecular Analysis of the Region Surrounding  
the X-Linked Retinitis Pigmentosa (RP3) Locus in Xp21.1**

---

**Senior Director, Clinical Development and Medical Affairs  
Sunovion Pharmaceuticals**



**Pamela Prosser Friedman**

*B.A., Dartmouth College*  
*Entered 1986 \* Left June 1, 1987*

---

**Withdrew without taking degree  
High school tutor**



**Allan Rosenberg**

*B.S., University of Michigan*  
*Entered 1986 \* Left September 1, 1990*

---

**Withdrew without taking degree  
Earned J.D. at Stanford Law School  
Senior Qualitative Analyst, State Street Global Exchange**



**Hung-Ming Chu, Ph.D.**

*B.M., National Taiwan University*  
*Entered 1987 \* Defended June 1, 1992*  
*Advisor: Michael Comb*

**Proenkephalin Gene Regulation: Stimulus-Transcription Coupling**

---

**Deputy Medical Director  
County of San Mateo Health Systems—  
Behavioral Health and Recovery Services**





### **Elizabeth Finch, Ph.D.**

*B.A., University of California at Santa Barbara*

*Entered 1987 \* Defended May 31, 1994*

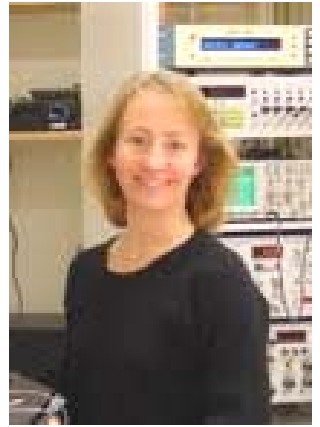
*Advisor: Stan Goldin*

**Inositol Trisphosphate-Mediated Calcium Release:  
Kinetics and Regulation by IP, Calcium, and ATP**

---

**Whereabouts unknown**

**Formerly Assistant Professor of Cell Biology at Emory University**



### **Michael Gillette, M.D./Ph.D.**

*Oxford University*

*Entered 1987 \* Defended May 4, 1995*

*Advisor: Raymon Dacheux*

**Components of Adaptation in Saccular Hair Cells  
of the Bullfrog, *Rana catesbeiana***

---

**Scientist, Broad Institute**

**Assistant Professor of Medicine, Harvard Medical School**

**Physician, Pulmonary Care Unit, MGH**



### **Susan Lewis, Ph.D.**

*A.B., Harvard College*

*Entered 1987 \* Defended June 7, 1994*

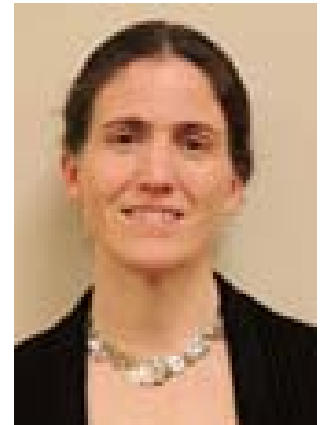
*Advisor: Steven Hyman*

**Cytokine Regulation of Neuronal Gene Expression  
in Sympathetic Neurons and a Neuroblastoma Cell Line**

---

**Assistant Director of Research Development**

**Tufts University**



### **Emily Liman, Ph.D.**

*A.B., Princeton University*

*Entered 1987 \* Defended March 31, 1992*

*Advisor: Peter Hess*

**Structure and Function of Mammalian Potassium Channels**

---

**Professor of Biological Sciences**

**University of Southern California**





**Gordon Shepherd, M.D./Ph.D.**

*A.B., Vassar College*

*Entered 1987 \* Defended July 27, 1993*

*Advisor: David Corey*

**Components of Adaptation in Saccular Hair Cells  
of the Bullfrog, *Rana catesbeiana***

---

**Associate Professor in Physiology  
Northwestern University School of Medicine**



**Doreen Valentine, Ph.D.**

*B.S., State University of New York at Stony Brook*

*Entered 1987 \* Defended February 27, 1995*

*Advisor: Cynthia Moss*

**Spatial Perception and Sensorimotor Integration: The Role of the  
Superior Colliculus in the Echolocating Bat, *Eptesicus fuscus***

---

**Director, Immuno-Oncology Biomarker/Cross-Tumor Publications  
Bristol-Myers Squibb**



**Dayao Zhao, Ph.D.**

*M.D., Beijing Medical University*

*Entered 1987 \* Defended October 31 1984*

*Advisor: William Chin*

**Retinoic Acid: Biosynthesis and Receptors**

---

**Vice President, China Drug Development  
Pfizer China**



**Marina Chicurel, Ph.D.**

*Universidad Nacional Autónoma de Mexico*

*Entered 1988 \* Defended May 12, 1995*

*Advisor: Huntington Potter*

**RNA Localization and RNA-Cytoskeletal Interactions in Neurons**

---

**Science writer  
Alzforum**





**Robin Cloues, A.M.**

*B.A., Barnard College  
Entered 1988 \* Left November 1, 1991*

---

**Withdrew with Master's degree  
Transferred to University of London PhD program  
Adjunct Faculty, Regis University**



**Shing-Chuan Hooi, Ph.D.**

*M.B.B.S., National University of Singapore  
Entered 1988 \* Defended March 23, 1992  
Advisor: Lee Kaplan*

**Neuroendocrine Regulation of Galanin Expression**

---

**Professor and Vice-Dean of Education  
Yong Loo Lin School of Medicine  
National University of Singapore**



**Mark Johnson, M.D./Ph.D.**

*A.B., Amherst College  
Entered 1988 \* Defended July 27, 1993  
Advisor: David Potter*

**Electrophysiological and Cytochemical Properties  
of Rat Mesopontine Serotonergic Neurons in Culture**

---

**Assistant Professor of Neurosurgery  
Harvard Medical School**



**Tejvir Khurana, Ph.D.**

*M.B.Bs., Delhi University  
Entered 1988 \* Defended August 12, 1991  
Advisor: Louis Kunkel*

**Identification and Characterization of Dystrophin-Related Protein**

---

**Professor of Physiology  
University of Pennsylvania School of Medicine**





**Chung-Chin Kuo, Ph.D.**

*B.M., National Taiwan University  
Entered 1988 \* Defended May 1, 1992  
Advisor: Peter Hess*

**Ion Permeation through L-Type Calcium Channel**

---

**Professor of Neurophysiology  
National Taiwan University, College of Medicine**



**Nicholas Marsh-Armstrong, Ph.D.**

*B.A., Haverford College  
Entered 1988 \* Defended June 1, 1994  
Advisor: Walter Gilbert*

**Retinoic Acid and the Patterning of the Zebrafish Retina and Trunk**

---

**Associate Professor of Ophthalmology  
University of California, Davis**



**Bruce Peters, Ph.D.**

*B.S., Rensselaer Polytechnic Institute  
Entered 1988 \* Defended April 12, 1996  
Advisor: Richard Masland*

**Responses to Light of Starburst Amacrine Cells  
in the Retina of the Rabbit**

---

**Software Engineer  
Sutter Instrument**



**Sonja Potrebic, M.D./Ph.D.**

*B.S., University of Pennsylvania  
Entered 1988 \* Defended February 28, 1994  
Advisor: Howard Fields*

**The Role of Serotonin in the Modulation of Nociception  
by the Rostral Ventromedial Medulla of the Rat**

---

**Neurologist  
Southern California Kaiser-Permanente Medical Group**





**David Welsh, M.D./Ph.D.**

*B.S., Stanford University*  
*Entered 1988 \* Defended April 1, 1995*  
*Advisor: Steven Reppert*  
**Circadian Clock Neurons in Culture**

---

**Associate Professor of Psychiatry**  
**University of California at San Diego School of Medicine**



**Cynthia Wetmore**

*A.B., Harvard College*  
*Entered 1988 \* Left June 1, 1990*

---

**Withdrew without taking degree**  
**Transferred to Karolinska Institute**  
**Division Chief, Center for Cancer and Blood Disorders**  
**Phoenix Children's Hospital**



**Andrew Ahn, M.D./Ph.D.**

*B.S., Columbia University*  
*Entered 1989 \* Defended May 8, 1995*  
*Advisor: Louis Kunkel*

**The Membrane Cytoskeleton in Muscular Dystrophy**

---

**Medical Fellow**  
**Eli Lilly & Co.**



**Belinda Chang, Ph.D.**

*A.B., Princeton University*  
*Entered 1989 \* Defended September 26, 1995*  
*Advisor: Naomi Pierce*

**Opsin Phylogeny and Evolution**

---

**Associate Professor of Ecology and Evolutionary Biology**  
**University of Toronto**





## **Richard Chung, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 1989 \* Defended August 11, 1992*

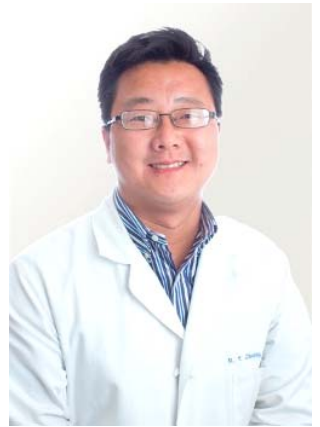
*Advisor: Bernd R. Seizinger*

**P53: A Bifunctional Transcriptional Regulatory Protein  
Inactivated in Human Astrocytic Tumors**

---

**Neurosurgeon**

**Neurosurgical Associates of Santa Barbara**



## **Lise Heginbotham Thomas, Ph.D.**

*B.A., Swarthmore College*

*M.S., University of Colorado Health Sciences Center*

*Entered 1989 \* Defended May 12, 1993*

*Advisor: Roderick MacKinnon*

**Identification and Molecular Characterization  
of a Potassium Channel Pore**

---

**Professor of Biology**

**Quinnipiac University**



## **Albert Hung, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 1989 \* Defended March 31, 1994*

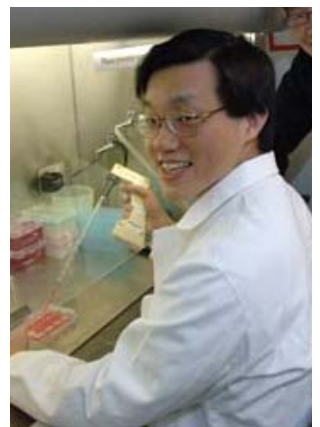
*Advisor: Dennis Selkoe*

**Regulation of Expression and Processing  
of the b-Amyloid Precursor Protein of Alzheimer's Disease**

---

**Assistant Professor of Neurology**

**Harvard Medical School**



## **Raul Krauss, Ph.D.**

*M.Sc., Catholic University of Chile*

*Entered 1989 \* Defended May 19, 1997*

*Advisor: Gerald Fishbach*

**Studies of Nicotinic Acetylcholine Receptor Gene Expression  
in the Central Nervous System**

---

**Vice President and Co-Founder**

**Disarm Therapeutics**





**Camilo Martinez, M.D./Ph.D.**

*B.S., University of Southern California*

*Entered 1989 \* Defended May 1, 1994*

*Advisor: Joseph Majzoub*

**Molecular Regulation of Corticotropin Releasing Hormone Gene Expression by the Protein Kinase A Pathway and Glucocorticoids**

---

**Attending Physician  
Hoag Medical Group**



**Kenton Swartz, Ph.D.**

*B.Sc., Eastern Manitoba College*

*M.D., Boston University School of Medicine*

*Entered 1989 \* Defended March 22, 1993*

*Advisor: Bruce Bean*

**Regulation of Neuronal Ca Channels by Neurotransmitters, G Proteins and Kinase C**

---

**Senior Investigator  
National Institute of Neurological Disorders and Stroke**



**Anne Sydor, Ph.D.**

*B.A., University of Wisconsin*

*Entered 1989 \* Defended June 20, 1995*

*Advisor: Daniel Jay*

**The Role of Cytoskeletal Proteins Talin and Vinculin in Neuronal Growth Cone Motility**

---

**Editor-in-Chief  
Bryn Mawr Publications**



**Azad Bonni, Ph.D.**

*M.D., Queen's University*

*Entered 1990 \* Defended May 9, 1996*

*Advisor: Michael Greenberg*

**Neurotrophic Factor Regulation of Immediate Early Gene Expression**

---

**Professor of Neurobiology  
Washington University School of Medicine**





**Rebecca Leah Cole, Ph.D.**

*B.A., Macalester College*

*Entered 1990 \* Defended July 17, 1996*

*Advisor: Steven Hyman*

**Neurotransmitter Regulation of CRE- and AP-1-Mediated  
Gene Expression in Rat Striatum**

---

**Whereabouts unknown**



**Paul Jackson, M.D./Ph.D.**

*B.S., Stanford University*

*Entered 1990 \* Defended June 29 1995*

*Advisor: Larry Benowitz*

**VSOAC: A Volume Sensitive Anion Channel with a Novel Function**

---

**Neurosurgeon  
Palo Alto, California**



**Roger Knowles, Ph.D.**

*B.S., United States Military Academy*

*Entered 1990 \* Defended December 19, 1995*

*Advisor: Kenneth Kosik*

**Translocation of RNA Granules in Living Neurons**

---

**Professor of Biology and Neuroscience  
Drew University**



**Inge Knudson**

*B.A., Smith College*

*M.S., University of New Hampshire*

*Entered 1990 \* Left May 6, 1993*

---

**Withdrew without taking degree  
Research Associate  
Massachusetts Eye and Ear Infirmary**





**Mary Morris Sabatini, Ph.D.**

*B.A., Agnes Scott College*

*M.D., Columbia University*

*Entered 1990 \* Defended July 31, 1997*

*Advisor: Chuck Weitz*

**Entertainment of the Mammalian Circadian Clock:  
Identification of Light-Induced Genes in the SCN**

---

**Obstetrician, Massachusetts General Hospital  
Assistant Professor of Obstetrics, Harvard Medical School**



**Kelly Overly, Ph.D.**

*A.B., Harvard College*

*Entered 1990 \* Defended May 7, 1996*

*Advisor: Peter Hollenbeck*

**Organelle Motility and Endocytic Pathways in Cultured Neurons**

---

**Community Volunteer  
Seattle, Washington**



**Alfred Roca, Ph.D.**

*B.A., Cornell University*

*B.S., University of Wyoming*

*Entered 1990 \* Defended August 7, 1996*

*Advisor: Steven Reppert*

**The Mouse Mel1a Melatonin Receptor Gene**

---

**Associate Professor of Animal Sciences  
University of Illinois at Urbana-Champaign**



**Karin Sorra, Ph.D.**

*B.Sc., Dalhousie University*

*Entered 1990 \* Defended November 26, 1996*

*Advisor: Kristen Harris*

**Synapse Structure, Function and Plasticity in Hippocampal Area CA1**

---

**President and Chief Scientific Officer  
Arroscience, Inc.**





## **Ashley Bruce, Ph.D.**

*A.B., Brown University*

*Entered 1991 \* Defended August 22, 1997*

*Advisor: Martin Shankland*

**Characterization of an orthodenticle Homolog in the Leech  
and Investigation of Ectopic Gene Express Techniques**

---

**Associate Professor of Cell Biology  
University of Toronto**



## **Annette Jenner-Matthews, Ph.D.**

*B.A., Mt. Holyoke College*

*Entered 1991 \* Defended April 28, 1998*

*Advisor: Gordon Sherman*

**The Connectivity of Ectopic Neurons in the Neocortex  
and their Effects on Neuronal Size in the Thalamus:  
Implications for Developmental Dyslexia**

---

**Trustee  
The Forman School**



## **Stephen Macknik, Ph.D.**

*B.A., University of California at Santa Cruz*

*Entered 1991 \* Defended September 20, 1996*

*Advisor: Marge Livingstone*

**The Physiology and Perception of Visibility and Visual Masking**

---

**Professor of Ophthalmology, SUNY Downstate Medical Center  
Columnist for Scientific American**



## **Phillip Schwartz, Ph.D.**

*B.S., Columbia University*

*M.Sc., The Weizmann Institute*

*Entered 1991 \* Defended June 17, 1998*

*Advisor: Rosalind Segal*

**Neurotrophins in the Regulation of Cerebellar Development**

---

**Chief Executive Officer and Director  
Entera Bio Ltd.**





**Patrick Senatus, M.D./Ph.D.**

*A.B., Harvard College*

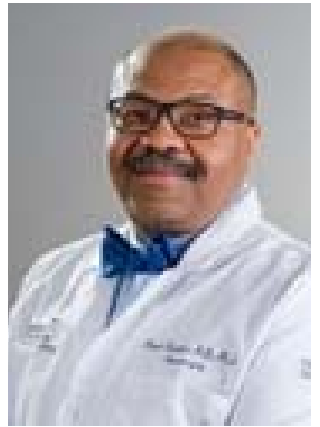
*Entered 1991 \* Defended June 16, 1997*

*Advisor: David Potter*

**Electrophysiological and Cytochemical Properties of  
Rat Neostriatal Neurons in Microculture**

---

**Neurosurgeon  
Connecticut**



**Lawrence Sincich, Ph.D.**

*B.S., Stanford University*

*Entered 1991 \* Defended May 13, 1999*

*Advisor: Gary Blasdel*

**Local Circuits in Primary Visual Cortex**

---

**Associate Professor of Vision Services  
University of Alabama at Birmingham School of Optometry**



**Deborah Sodickson Cohen, Ph.D.**

*B.A., Wesleyan University*

*Entered 1991 \* Defended January 8, 1997*

*Advisor: Bruce Bean*

**Control of Inwardly Rectifying Potassium Channels  
and Voltage-Dependent Calcium Channels  
by G-Protein Coupled Transmitter Receptors in Hippocampal Neurons**

---

**Homemaker**



**Mark Tramo, Ph.D., M.D.**

*B.A., Yale University*

*M.D., Cornell University*

*Entered 1991 \* Defended November 10, 1998*

*Advisor: Margaret Livingstone*

**Neural Representations of Acoustic Information  
In Relation to Music and Voice Perception**

---

**Neurologist  
Lecturer, U.C.L.A. School of Music**





**Cathy Waldman**

*B.A., Arcadia University*

*Entered 1991 \* Withdrew without degree August 31, 1992*

---

**Speech Therapist  
Needham Public Schools**



**Deborah Watson, Ph.D.**

*B.A., Mills College*

*Entered 1991 \* Defended April 11 1997*

*Advisor: Dennis Selkoe*

**Effects of the HCHWA-D Mutation on bAPP Processing,  
Heterogeneity of Ab Deposits, and Heparin/HSPG Binding:  
Implications for Alzheimer's Disease**

---

**Adjunct Associate Professor of Neurosurgery  
University of Pennsylvania School of Medicine**



**Anne West, M.D./Ph.D.**

*B.A., Cornell University*

*Entered 1991 \* Defended December 2, 1996*

*Advisor: Kathleen Buckley*

**Protein Targeting in Neurons**

---

**Associate Professor of Neurobiology  
Duke University**



**Robert Whorf**

*B.S., University of New Hampshire*

*Entered 1991 \* Left September 1, 1993*

---

**Enrolled in University of Rochester School of Medicine  
Oncologist, Florida**





## **Sanjay Aggarwal, M.D./Ph.D.**

*B.S., Johns Hopkins University*

*Entered 1992 \* Defended June 3, 1996*

*Advisor: Roderick MacKinnon*

**Identification of the Voltage Sensor  
in the Voltage-Activated Potassium Channel**

---

**Pediatrician**

**Baltimore, Maryland**



## **Marc Awobuluyi, M.D./Ph.D.**

*A.B., Harvard College*

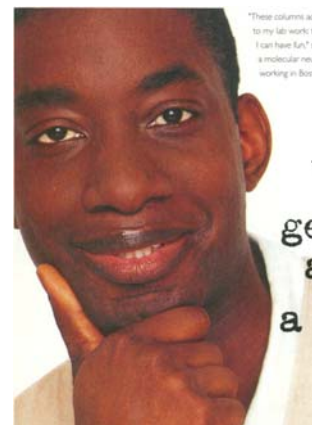
*Entered 1992 \* Defended June 10, 1997*

*Advisor: Stuart Lipton*

**Translational Control of  
N-Methyl-D Aspartate Subunit 1 (NMDAR1) Expression**

---

**Assistant Clinical Professor in Neuroradiology  
University of California, San Francisco Medical Center**



## **Kristina Wietasch Becker, Ph.D.**

*B.A., M.D., Ruhr University*

*Entered 1992 \* Defended March 21, 1997*

*Advisor: Gerald Fischbach*

**Regulation of Neuronal Nicotinic Acetylcholine Receptors  
in the Interpeduncular Nucleus**

---

**Patent Attorney**

**Germany**



## **Michael Belliveau, Ph.D.**

*B.S., University of Michigan*

*Entered 1992 \* Defended September 9, 1998*

*Advisor: Connie Cepko*

**Intrinsic and Extrinsic Regulation of Cell Fate Choices  
in the Vertebrate Neural Retina**

---

**Patent Attorney and Partner**

**Clark & Elbing LLP**





**Solange Brown, M.D./Ph.D.**

*Princeton University*

*Entered 1992 \* Defended June 7, 1999*

*Advisor: Richard Masland*

**Local Circuits in the Retina: Spatial Sensitivity, Contrast Adaptation  
and Direction Selectivity of Retinal Ganglion Cells**

---

**Assistant Professor of Neuroscience  
Johns Hopkins University School of Medicine**



**Yu-Ju Chen**

*B.S., National Taiwan University*

*Entered 1992\* Left January 1, 1995*

---

**Withdrew without taking degree**

**Adjunct Professor of Proteomics and Mass Spectrometry  
National Taiwan University**



**Donnella Green Comeau, M.D./Ph.D.**

*B.A., Amherst College*

*Entered 1992 \* Defended September 19, 1997*

*Advisor: Stephen Cannon*

**Functional Consequences of Sodium Channel Mutations  
in Human Neuromuscular Disease  
and a Novel Mechanism for Acetazolamide Therapy**

---

**Radiologist  
Cumberland, Rhode Island**



**Amy Malick, Ph.D.**

*B.S., Massachusetts Institute of Technology*

*Entered 1992 \* Defended May 4, 2000*

*Advisor: Rami Burstein*

**On Trigeminothalamic Pain Pathways  
and How They Contribute to Anorexic Behavior**

---

**Managing Editor and Group Publisher  
QuantiaMD**





**Michael Olivares, M.D.**

*B.S., University of Texas at Austin  
Entered 1992 \* Left February 1, 1993*

---

**Withdrew without taking degree  
Returned to Harvard Medical School to complete M.D. degree  
Whereabouts unknown**

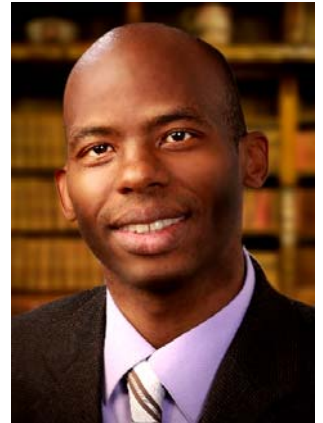


**Christopher Reid, M.D./Ph.D.**

*B.S., United States Military Academy  
Entered 1992 \* Defended January 9, 1997  
Advisor: Christopher A.. Walsh  
Cell Lineage in Mammalian Cerebral Cortex*

---

**Lecturer  
University of Southern California  
Keck School of Medicine**



**Kerry Ressler, M.D./Ph.D.**

*B.S., Massachusetts Institute of Technology  
Entered 1992 \* Defended December 18, 1995  
Advisor: Linda Buck*

**Odorant Receptor Organization and Information Coding  
in the Mouse Olfactory System**

---

**Professor of Psychiatry  
Harvard Medical School**



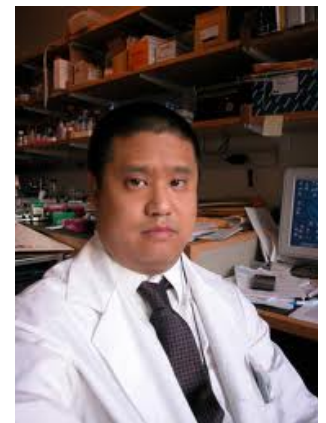
**Volney Sheen, M.D./Ph.D.**

*Johns Hopkins University  
Entered 1992 \* Defended May 6, 1997  
Advisor: Jeffrey Macklis*

**Transplantation Strategies for Reconstruction  
of Complex Neocortical Circuitry**

---

**Associate Professor of Neurology  
Harvard Medical School**





**Paul Tolentino, M.D./Ph.D.**

*Sc.B., Brown University*

*Entered 1992 \* Defended May 27, 1995*

*Advisor: Lydia Villa-Komaroff*

**Transcriptional and Post-Transcriptional Regulation  
of VIP mRNA Expression**

---

**Neurosurgeon  
Cape Girardeau, Missouri**



**Kelly Van Koughnet, Ph.D.**

*B.Sc., University of Toronto*

*Entered 1992 \* Defended March 12, 1999*

*Advisor: Steve Hyman*

**Proenkephalin Transgene Regulation in the Paraventricular Nucleus of  
the Hypothalamus by Lipopolysaccharide and Interleukin-1 $\beta$ : a Model  
for the Study of Neuro-Immune Communication**

---

**Founder, CEO and Certified Executive Coach  
mindYOUinc**



**Brenda Allwardt, Ph.D.**

*B.A., Lawrence University*

*Entered 1993 \* Defended May 6, 1999*

*Advisor: John Dowling*

**Ultrastructural Analysis of Photoreceptors  
in Wildtype and Mutant Zebrafish Larvae**

---

**Not currently employed**



**Joshua Berke, Ph.D.**

*B.A., Cambridge University*

*Entered 1993 \* Defended September 10, 1998*

*Advisor: Steve Hyman*

**A Complex Program of Dopamine-Induced Gene Expression Identified  
Using Differential-Display PCR: Discovery of a Novel Inducible Cyclin**

---

**Professor of Neuroscience  
University of California, San Francisco**





**Michael Bianchetta, Ph.D.**

*B.A., Brown University*

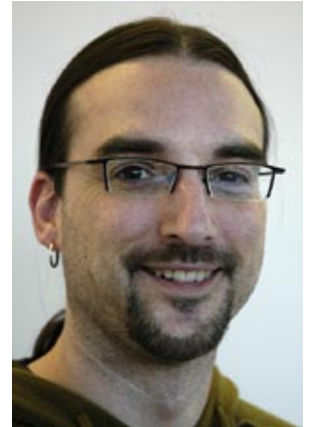
*Entered 1993 \* Defended July 23, 2004*

*Advisor: Jonathan Cohen*

**Self-Association of the Muscle-Specific Receptor Tyrosine Kinase MuSK**

---

**Whereabouts unknown**



**Steven Chao, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 1993 \* Defended August 24, 1999*

*Advisor: Larry Benowitz*

**GAP-43: Regulation and Function**

---

**Partner and Co-Founder  
ClearView Healthcare Partners**



**Katrin Chua, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 1993 \* Defended May 7, 1999*

*Advisor: Robin Reed*

**Remodeling of the Spliceosome for Catalysis of Exon Ligation**

---

**Associate Professor of Medicine  
Stanford University School of Medicine**



**Saumya Das, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 1993 \* Defended September 9, 1997*

*Advisor: Nobuki Nakanishi*

**Identification and Characterization  
of a Novel N-Methyl-D-Aspartate Receptor Subunit NR3A**

---

**Associate Professor of Medicine  
Harvard Medical School**





**Holly Engelman, A.M.**

*B.S., Columbia University  
Entered 1993 \* Left January 1, 1996*

---

**Transferred to Columbia University  
Received Ph.D. in 2002  
Whereabouts Unknown**



**Jorge Luis Gonzalez, Ph.D.**

*B.S., Tufts University  
Entered 1993 \* Defended May 10, 1999  
Advisor: Christopher A. Walsh*

**Cellular and Biochemical Analysis of Mutations  
that Affect Cerebral Cortical Development**

---

**Technical Advisory Board Member  
Ziffity Solution LLC**



**Heather Hinds**

*A.B., B.S., Stanford University  
M.Sc., Oxford University  
Entered 1993 \* Left May 1, 1994*

---

**Transferred to Massachusetts Institute of Technology– Tonegawa Lab  
Neurologist — San Francisco, California**



**Lisa Horowitz, M.D./Ph.D.**

*B.S., University of California at Berkeley  
Entered 1993 \* Defended September 14, 1998  
Advisor: Linda Buck*

**Connectivity in the Mouse Olfactory System**

---

**Whereabouts unknown**





## **Thomas Jordan, Ph.D.**

*Bucknell University*

*Entered 1993 \* Defended December 8, 1997*

*Advisor: John Dowling*

**Network Dynamics and Their Neuromodulation:  
Dopaminergic Effects on Retinal Receptive Fields**

---

**Co-Founder**

**Aldeyra Therapeutics**



## **Jerri Martin, A.M.**

*B.S., California Institute of Technology*

*Entered 1993 \* Left June 1, 1997*

---

**Withdrew with Master's degree**

**Art and Science Day Coordinator**

**CP Elementary School, San Francisco**



## **Martin Niethammer, Ph.D.**

*Diploma, Universitat Tubingen*

*Entered 1993 \* Defended September 3, 1998*

*Advisor: Morgan Sheng*

**Organization of an NMDA Receptor-Associated Complex  
via the PDZ Domains of PSD-95**

---

**Assistant Professor of Neurology**

**The Feinstein Institute of Medical Research**



## **Lianna Orlando, Ph.D.**

*B.S., Syracuse University*

*Entered 1993 \* Defended April 25, 2001*

*Advisor: Anne Young*

**Cellular and Molecular Mechanisms of Neuronal Chain Migration**

---

**Scientific Program Officer**

**Muscular Dystrophy Association**





**Megan Benson Pratt, Ph.D.**

*B.S., Massachusetts Institute of Technology*

*M.A., Harvard University*

*Entered 1993 \* Defended September 13, 1999*

*Advisor: Jonathan Cohen*

**Mapping Noncompetitive Antagonist Binding Sites  
in the Nicotinic Acetylcholine Receptor**

---

**Executive Director**

**Pensacola MESS Hall (science museum)**



**Heather Rieff, Ph.D.**

*B.A., Williams College*

*Entered 1993 \* Defended August 13, 1999*

*Advisor: Gabriel Corfas*

**The Role of Neuregulin and erbB Receptors in Cerebellar Development**

---

**Science Policy Analyst**

**National Institute of Neurological Disorders and Strokes**



**Bernardo Sabatini, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 1993 \* Defended September 16, 1997*

*Advisor: Wade Regehr*

**Calcium Control of Neurotransmitter Release at a Cerebellar Synapse**

---

**Professor of Neurobiology**

**Harvard Medical School**



**Maurice Sholas, M.D./Ph.D.**

*B.S., Southern University*

*Entered 1993 \* Defended June 28, 1996*

*Advisor: Daniel Kenshalo*

**Changes in Primary Somatosensory Cortex Processing  
of Nociceptive Information Induced by Inflammation**

---

**Founder**

**Sholas Medical Consulting**





**Fiona Watson, Ph.D.**

*B.Sc., M.S., Dalhousie University*  
*Entered 1993 \* Defended May 18, 1999*  
*Advisor: Rosalind Segal*  
**Retrograde Signaling by Neutrophins**

---

**Associate Professor of Biology**  
**Washington and Lee University**



**Jamie Zeitzer, Ph.D.**

*B.A., Vassar College*  
*Entered 1993 \* Defended March 26, 1999*  
*Advisor: Charles Czeisler*  
**Physiology and Anatomy of Human Circadian Photoreception  
and Melatonin Regulation**

---

**Associate Professor of Psychiatry and Behavioral Sciences**  
**Stanford University School of Medicine**



**Pradeep Atluri, M.D./Ph.D.**

*A.B., Harvard College*  
*Entered 1994 \* Defended January 27, 2000*  
*Advisor: Wade Regehr*  
**The Role of Presynaptic Calcium in Short-Term Synaptic Plasticity**

---

**Psychiatrist**  
**New York City**

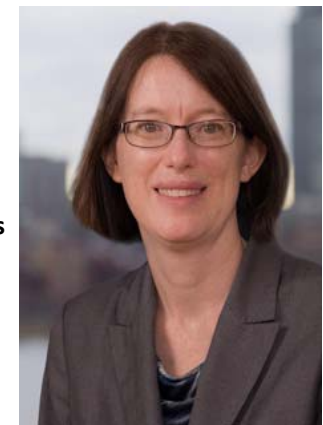


**Stacie Barnes Weninger, Ph.D.**

*University of North Carolina*  
*Entered 1994 \* Defended September 9, 1999*  
*Advisor: Joseph Majzoub*  
**Role of Corticotropin-Releasing Hormone (CRH) and CRH-Like Molecules  
in Stress-Induced Behavior**

---

**President**  
**F-Prime Biomedical Research Initiative**





**Paul Borghesani, M.D./Ph.D.**

*B.S., Massachusetts Institute of Technology  
Entered 1994 \* Defended December 20, 1999*

*Advisor: Rosalind Segal*

**Neuronal Migration in Development and Degeneration**

---

**Assistant Professor in Clinician Educator Pathway  
University of Washington Medical Center**



**Michelle Day, Ph.D.**

*B.S., University of California, Los Angeles  
Entered 1994 \* Defended June 2, 2000*

*Advisor: Steve Hyman*

**The Effects of Serotonin 5-HT<sub>2A</sub> Agonists and Antagonists on High-Voltage-Activated Calcium Currents in Prefrontal Pyramidal Neurons**

---

**Research Assistant Professor of Physiology  
Northwestern University Feinberg School of Medicine**



**Jeremy Dittman, M.D./Ph.D.**

*B.S., Stanford University  
Entered 1994 \* Defended June 2, 1998*

*Advisor: Wade Regehr*

**Presynaptic Modulation of Transmitter Release  
in the Central Nervous System**

---

**Associate Professor of Biochemistry and Neuroscience  
Weill Cornell Medical College**



**Stephanie Gaus, Ph.D.**

*B.S., Stanford University  
Entered 1994 \* Defended April 5, 2002*

*Advisor: Clifford Saper*

**Neuroanatomic Substrates for Circadian Control of Sleep**

---

**Research Scientist  
University of California, San Francisco  
Seeley Selective Vulnerability Research Laboratory**





### **Lisa Genova, Ph.D.**

*B.S., Bates College*

*Entered 1994 \* Defended April 30, 1998*

*Advisor: Steve Hyman*

**Amphetamine-Induced Adaptations in Striatal Neurons:  
Roles of Serotonin and Conditioned Stimuli**

---

**Best-selling author**

**"Still Alice", "Left Neglected" and "Inside the O'Briens"**



### **James Morrill, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 1994 \* Defended July 26, 1999*

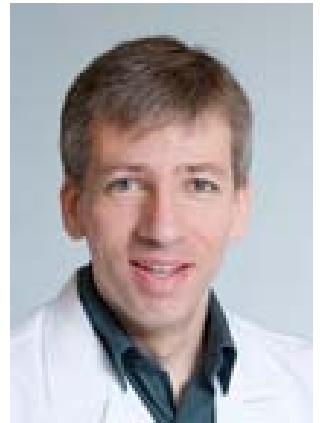
*Advisor: Stephen Cannon*

**Biophysical Properties of the Skeletal Muscle L-Type Calcium Channel  
in Health and Disease**

---

**Physician**

**Massachusetts General Hospital**



### **Paula Smith, Ph.D.**

*B.S., Cornell University*

*Entered 1994 \* Defended September 7, 1999*

*Advisor: Gary Yellen*

**Voltage-dependent Gating of HERG Potassium Channels**

---

**Senior Medical Writing Scientist  
The Janssen Pharmaceutical Companies  
of Johnson & Johnson**



### **Mark Zylka, Ph.D.**

*B.X., Virginia Polytechnic Institute*

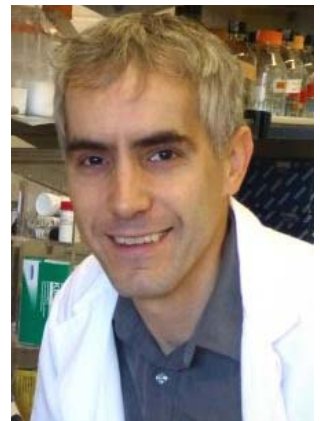
*Entered 1994 \* Defended September 17, 1999*

*Advisor: Steven Reppert*

**Characterization of a Mammalian Circadian Feedback Loop**

---

**Professor of Cell Biology  
University of North Carolina School of Medicine**





**Hui Zhou, A.M.**

*B.S., Huazhong University of Science and Technology*

*M.S., Beijing University*

*Entered 1994 \* Left March 1, 1997*

---

**Withdrew with Master's degree  
Transferred to Washington University**



**Manish Aghi, M.D./Ph.D.**

*B.S., Stanford University*

*Entered 1995 \* Defended November 20, 1998*

*Advisor: Xandra Breakefield*

**Improving the Efficacy of Chemosensitizing  
Brain Tumor Gene Therapies**

---

**Professor of Neurosurgery  
University of California, San Francisco**



**Yun-Beom Choi, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 1995 \* Defended December 21, 1998*

*Advisor: Stuart Lipton*

**Molecular Analysis of Modulatory Sites on the NMDA Receptor:  
Redox, Zn<sup>2+</sup>, and Nitric Oxide-Related Species**

---

**Neurologist  
Englewood, New Jersey**



**Richard Christie, M.D./Ph.D.**

*B.S., Massachusetts Institute of Technology*

*Entered 1995 \* Defended December 21, 1999*

*Advisor: Bradley Hyman*

**In vivo Imaging of Amyloid Deposition in a Transgenic Mouse Model  
of Alzheimer's Disease**

---

**Independent Consultant**





**Jesus Garcia, M.D./Ph.D.**

*B.A., Loyola Marymount University  
Entered 1995 \* Defended September 10, 1999  
Advisor: Margaret Livingstone*

**Mechanisms of Color and Motion in Monkey Visual Cortex**

---

**Plastic Surgeon**

**Kaiser Permanente, Sacramento, California**



**Jerry Lin, M.D./Ph.D.**

*A.B., Harvard College  
Entered 1995 \* Defended June 13, 2000  
Advisor: Morgan Sheng*

- I. Characterization of an NMDA-receptor-associated complex centered around NRI;**
- II. The role of AMPA receptor trafficking in synaptic plasticity**

---

**Associate Professor of Otolaryngology  
University of Louisville**



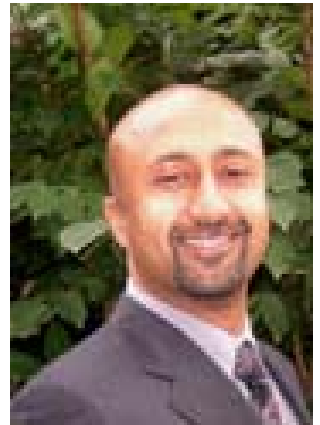
**Sanjay Magavi, Ph.D.**

*Sc.B., Brown University  
Entered 1995 \* Defended September 28, 2001  
Advisor: Jeffrey Macklis*

**Induction of Neurogenesis in the Neocortex of Adult Mice  
and Assessment of the Functional Integration of Adult-born Neurons**

---

**Research Fellow II  
Vertex Pharmaceuticals**



**Heather Mason Christie, Ph.D.**

*A.B., Amherst College  
Entered 1995 \* Defended April 27, 2001  
Advisor: Gabriel Corfas*

**Cellular and Molecular Mechanisms of Neuronal Chain Migration**

---

**Philanthropist**





**Mireya Nadal-Vicens, M.D./Ph.D.**

*A.B., Harvard College*

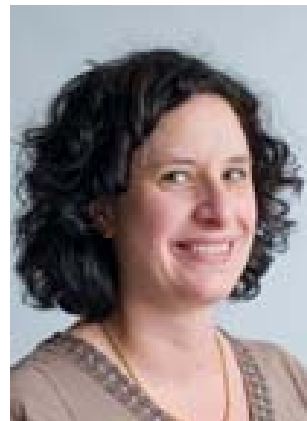
*Entered 1995 \* Defended September 14, 2001*

*Advisor: Michael Greenberg*

**Signaling mechanisms that govern the switch from neuronal to astrocyte differentiation in neocortical progenitors**

---

**Psychiatrist and Instructor of Psychiatry  
Massachusetts General Hospital**



**Philip Nadeau, Ph.D.**

*B.S., Massachusetts Institute of Technology*

*Entered 1995 \* Defended September 15, 2000*

*Advisor: Bruce Yankner*

**An Investigation of the Role of Apolipoproteins, Lipoproteins and the Presenilin Proteins in Amyloid Beta Metabolism and Alzheimer's Disease**

---

**Managing Director and Senior Research Analyst  
Cowen and Company**



**Scott Naisbitt, M.D./Ph.D.**

*B.S., University of Utah*

*Entered 1995 \* Defended September 29, 2000*

*Advisor: Morgan Sheng*

**The Molecular Organization of the Postsynaptic Density  
by GKAP and SHANK**

---

**Independent Consultant**



**Elizabeth Asha Nigh, Ph.D.**

*B.S., Stanford University*

*Entered 1995 \* Defended March 7, 2003*

*Advisor: Michael Greenberg*

**The Control of Protein Expression During Adaptive Neuronal Responses**

---

**Chief Scientific Editor and Founder  
Science Editors Network**





**John Reppas, M.D./Ph.D.**

*B.A., Oxford University*

*Entered 1995 \* Defended September 22, 2000*

*Advisor: R. Clay Reid*

**Saccadic Eye Movements and Early Vision**

---

**Director of Public Policy**

**Neurotechnology Industry Organization**



**Jeremiah Scharf, M.D./Ph.D.**

*B.S., Yale University*

*Entered 1995 \* Defended September 8, 1999*

*Advisor: Louis Kunkel*

**Comparative Genomic Analysis of the Spinal Muscular Atrophy (SMA)**

**Region in Mouse and Man:**

**Applications for Understanding Disease Pathogenesis**

---

**Assistant Professor of Neurology**

**Massachusetts General Hospital**



**Vasanth Vedantham, M.D./Ph.D.**

*B.S., Yale University*

*Entered 1995 \* Defended June 2, 2000*

*Advisor: Stephen Cannon*

**Moving Parts of Voltage-Gated Sodium Channels**

---

**Associate Professor of Medicine**

**University of California, San Francisco Medical Center**



**Marcus Ware, M.D./Ph.D.**

*B.S., Tougaloo College*

*Entered 1995 \* Defended November 16, 1998*

*Advisor: Christopher A. Walsh*

**Cellular and Molecular Events in the Development  
of the Cerebral Cortex**

---

**Clinical Assistant Professor of Neurological Surgery**

**Tulane University**





**Alex Carter, M.D./Ph.D.**

*B.A., Brandeis University*

*Entered 1996 \* Defended December 17, 2001*

*Advisor: Rosalind Segal*

**Neurotrophin Modulation of Synaptic Plasticity  
and Cerebellar Development**

---

**Assistant Professor of Neurology  
Washington University School of Medicine**



**Lisa Catapano, M.D./Ph.D.**

*B.A., Dartmouth College*

*Entered 1996 \* Defended September 21, 2001*

*Advisor: Jeffrey Macklis*

**Stage-Specific Control over Neocortical Callosal Projection Neuron  
Survival and Differentiation**

---

**Associate Professor of Psychiatry and Behavioral Sciences  
George Washington University**



**Thomas Chou (Jhou), Ph.D.**

*B.S., M.S., Massachusetts Institute of Technology*

*Entered 1996 \* Defended February 10, 2003*

*Advisor: Clifford Saper*

**Regulation of sleep-wake timing: Circadian rhythms  
and bistability of sleep-wake behavior**

---

**Assistant Professor  
Medical University of South Carolina**



**Bevil Conway, Ph.D.**

*B.Sc., McGill University*

*Entered 1996 \* Defended April 18, 2001*

*Advisor: Margaret Livingstone*

**Mechanisms of Color and Motion in Monkey Visual Cortex**

---

**Principal Investigator, Laboratory of Sensory-Motor Research  
National Institutes of Health**





### **Michael Deans, Ph.D.**

*B.A., Michigan State University  
Entered 1996 \* Defended April 26, 2002  
Advisor: David Paul*

**Connexin 36 Localization and Function  
Within the Rod Pathways of the Mouse Retina**

---

**Assistant Professor of Surgery  
University of Utah School of Medicine**



### **Shin Jung Kang, Ph.D.**

*B.S., M.S., Seoul National University  
Entered 1996 \* Defended September 25, 2001  
Advisor: Junying Yuan*

**A Dual Role of Capase-11 under Pathological  
and Physiological Conditions**

---

**Assistant Professor of Molecular Biology  
Sejong University**



### **Amy McMichael**

*B.S., Kalamazoo College  
Entered 1996 \* Left June 1, 1997*

---

**Withdrew without taking degree  
Whereabouts unknown**



### **Magdalene Moran, Ph.D.**

*B.A., Williams College  
Entered 1996 \* Defended October 7, 2002  
Advisor: David Clapham*

**TLF is a Functional Regulator of Transcription with Targets  
that Are Distinct from the TATA-Box Binding Protein (TBP)**

---

**Senior Vice President, Biology  
Hydra Biosciences**





**Kim Seth, Ph.D.**

*A.B., Harvard College*

*Entered 1996 \* Defended September 25, 2002*

*Advisor: Joseph Majzoub*

**A Molecular Genetic Investigation of the Role of Re-1/REST In the  
Transcriptional Regulation  
of the Corticotropin-Releasing Hormone (CRH) Gene**

---

**Chief Business Officer and Chief Operating Officer  
Resilience Therapeutics  
Board Director, Repare Therapeutics**



**Abraha Taddese, M.D./Ph.D.**

*B.A., Washington University*

*Entered 1996 \* Defended June 6, 2001*

*Advisor: Bruce Bean*

**Electrophysiology of Spontaneously Active  
Tuberomammillary Nucleus Neurons**

---

**Radiologist  
Miami, Florida**



**Jonathan Trinidad, Ph.D.**

*B.S., William and Mary College*

*Entered 1996 \* Defended October 10, 2002*

*Advisor: Jonathan Cohen*

**The Localization and Function of Neuregulin and the ErbB Receptors  
at the Neuromuscular Junction**

---

**Director, Biological Mass Spectrometry  
Indiana University**



**Doris Tsao, Ph.D.**

*B.S., California Institute of Technology*

*Entered 1996 \* Defended May 20, 2002*

*Advisor: Margaret Livingstone*

**Stereopsis**

---

**Professor of Biology  
California Institute of Technology**





**Kevin Welch, A.M.**

*B.S., Beloit College*  
*Entered 1996 \* Left June 1, 2007*

---

**Withdrew with Master's degree**  
**Whereabouts unknown**



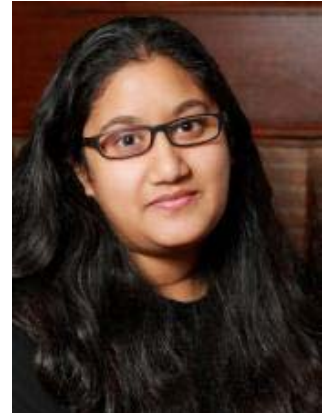
**Alo Basu, Ph.D.**

*B.S., Massachusetts Institute of Technology*  
*Entered 1997 \* Defended December 20, 2004*  
*Advisor: Ed Kravitz*

**Characterization of an Amine-Modulated Stress Neuropeptide System  
in *Homarus americanus***

---

**Associate Professor of Psychology**  
**College of the Holy Cross**



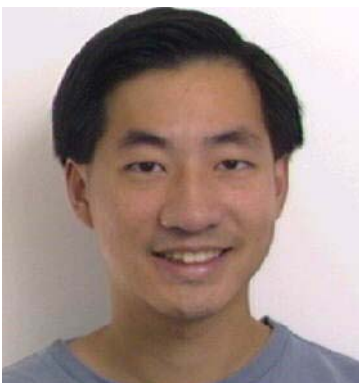
**Adam Carter, Ph.D.**

*B.A., Cambridge University*  
*Entered 1997 \* Defended April 29, 2002*  
*Advisor: Wade Regehr*

**Synaptic Transmission at Cerebellar Stellate Cells**

---

**Associate Professor of Neural Science**  
**New York University**



**Dennis Chang, Ph.D.**

*B.Sc.H., Queen's University*  
*Entered 1997 \* Defended July 16, 2003*  
*Advisor: Steven Reppert*

**Circadian Clock Molecules of a Lepidopteran Insect, *Antheraea pernyi*,  
and Comparison with the Fruit Fly, *Drosophila melanogaster***

---

**Principal**  
**Clarion Healthcare**





## **Mark Emerson, Ph.D.**

*B.A., Oberlin College*

*Entered 1997 \* Defended January 26, 2005*

*Advisor: Davie Van Vactor*

**A Misexpression Genetic Screen in Drosophila Identifies  
Candidate Axon Guidance Factors with Differential Expression**

---

**Assistant Professor of Biology  
City College of New York**



## **Heather Heerssen, Ph.D.**

*B.A., Kenyon College*

*Entered 1997 \* Defended December 3, 2003*

*Advisor: Rosalind Segal*

**Mechanisms of Trk Receptor Retrograde Transport and Signaling**

---

**Associate Scientific Director, Medical Writing  
Complete Healthcare Communications**



## **Jane Ko, Ph.D.**

*B.A., Tulane University*

*Entered 1997 \* Defended May 13, 2004*

*Advisor: Li-Huei Tsai*

**Cdk5 Activators in Development and Potential Regulation of Kinesins**

---

**Director, Global Marketing Innovation  
Kellogg Company**



## **Genevieve Konopka, Ph.D.**

*B.S., Massachusetts Institute of Technology*

*Entered 1997 \* Defended May 14, 2004*

*Advisor: Azad Bonni*

**Regulation of STAT3 Signaling in Astrocyte Transformation**

---

**Associate Professor of Neuroscience  
University of Texas Southwestern Medical Center**





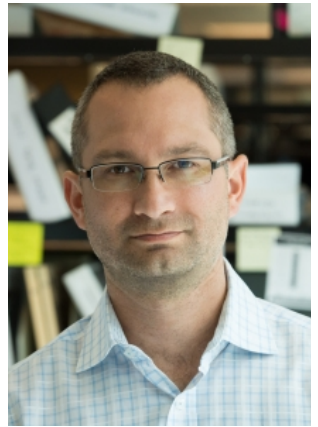
**Anatol Kreitzer, Ph.D.**

*B.S., University of California at Berkeley  
Entered 1997 \* Defended April 25, 2001  
Advisor: Wade Regehr*

**Activity-Dependent Modulation of Synaptic Strength  
in the Central Nervous System**

---

**Associate Professor of Neuroscience  
University of California, San Francisco**



**Robert Moy, A.M.**

*B.A., Oberlin College  
Entered September 1997 \* Withdrew June 1, 2004*

**Withdrew with a Master's degree  
Principal  
Clarion Healthcare**



**Lisa Simon Nelson**

*B.S., Rutgers University  
Entered 1997 \* Left January 1, 2000*

**Withdrew without taking degree  
Whereabouts unknown**



**Christov Roberson, Ph.D.**

*B.A., Northern Arizona University  
Entered 1997 \* Defended August 5, 2004  
Advisor: David Clapham*

**G Protein Regulation of Inwardly Rectifying Potassium Channels**

---

**Lecturer in Biology  
Johns Hopkins University**





### **Gisela Sandoval, M.D./Ph.D.**

*B.S., California Institute of Technology*

*Entered 1997 \* Defended July 9, 2002*

*Advisor: Gary Ruvkun*

**Molecular Analysis of an Interaction between the Vesicular Acetylcholine Transporter and Synaptobrevin in *Caenorhabditis Elegans***

---

**Psychiatrist**

**Stanford University Hospital and Clinics**



### **Claire Sauvageot, Ph.D.**

*B.A., University of California, Berkeley*

*Entered 1997 \* Defended October 9, 2003*

*Advisor: Charles Stiles*

**Genomic Analysis of Fate Choice in Cortical Progenitor Cells**

---

**Associate Director, Medical Publications and Communications**

**SAGE Therapeutics**



### **Sohail Tavazoie, M.D./Ph.D.**

*B.S., University of California, Berkeley*

*Entered 1997 \* Defended June 15, 2001*

*Advisor: R. Clay Reid*

**The Development of Neural Connections from Retina to Thalamus:  
Maturation and Plasticity of Receptive Fields**

---

**Professor of Systems Cancer Biology**

**Senior Attending Physician**

**The Rockefeller University**



### **Sarah Webster, Ph.D.**

*B.S., University of Connecticut*

*Entered 1997 \* Defended December 12, 2003*

*Advisor: Gary Yellen*

**Structures and mechanisms of gating in  
Shaker voltage-dependent potassium channels**

---

**AP Biology Teacher**

**Newton Country Day School**





**Ying Zhang, Ph.D.**

*B.S., University of Science and Technology (China)*

*M.S., Duke University*

*Entered 1997 \* Defended May 5, 2003*

*Advisor: R. Clay Reid*

**Where Is It? Deriving Stimulus Location  
from the Responses of Visual Neurons**

---

**Whereabouts unknown**



**Bruce Altevogt, Ph.D.**

*B.A., University of Virginia*

*Entered 1998 \* Defended November 20, 2003*

*Advisor: David Paul*

**Analysis of Connexins in Myelation**

---

**Senior Director of Science Policy and Science Advocacy  
Pfizer, Inc.**



**Teresa Chae, M.D./Ph.D.**

*A.B., Harvard College*

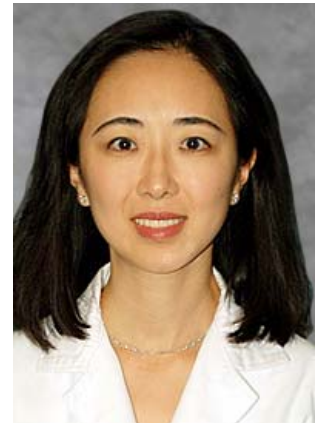
*Entered 1998 \* Defended May 15, 2002*

*Advisor: Christopher A. Walsh*

**Mechanisms of Dorsal Patterning in the Developing Forebrain**

---

**Ophthalmologist  
Houston, Texas**



**Michael Do, Ph.D.**

*B.S., Georgetown University*

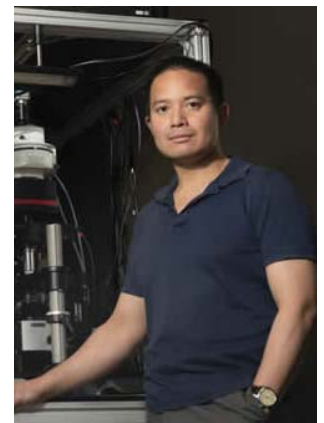
*Entered 1998 \* Defended December 15, 2003*

*Advisor: Bruce Bean*

**Generation and Regulation of Pacemaking in Subthalamic Neurons**

---

**Assistant Professor of Neurology  
Harvard Medical School**





## **John Elfar, M.D.**

*Johns Hopkins University*

*Entered 1998 \* Withdrew September 1, 2000*

---

**Withdrew without taking a Ph.D.**

**Returned to Harvard Medical School to complete his M.D.**

**Professor of Medicine**

**Pennsylvania State University**



## **Edmund Griffin, Jr., M.D./Ph.D.**

*B.S., Columbia University*

*Entered 1998 \* Defended March 7, 2002*

*Advisor: Chuck Weitz*

**Light, Cryptochrome, and Circadian Clocks**

---

**Assistant Professor of Clinical Psychiatry**

**Columbia University Medical Center**



## **W. Taylor Kimberly, M.D./Ph.D.**

*B.A., Princeton University*

*Entered 1998 \* Defended May 10, 2002*

*Advisor: Dennis Selkoe*

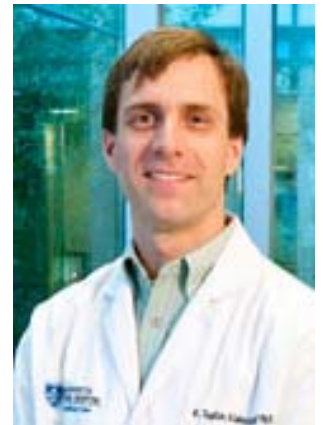
**Intramembrane Proteolysis and Signal Transduction:**

**The Gamma-Secretase Complex  
and Its Connection to Alzheimer's Disease**

---

**Associate Director, Neuroscience Intensive Care Unit**

**Massachusetts General Hospital**



## **Gaby Maimon, Ph.D.**

*B.S., Cornell University*

*Entered 1998 \* Defended May 5, 2005*

*Advisor: John Assad*

**Cortex, vision and action**

---

**Associate Professor**

**The Rockefeller University**





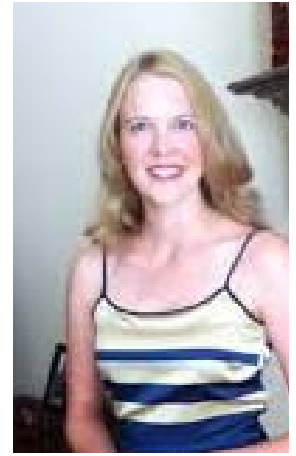
**Erin Perry Eggers, A.M.**

*B.A., Amherst College*

*Entered 1998 \* Withdrew November 1, 2002*

---

**Withdrew with Master's degree  
Earned M.Ed. From Harvard School of Education  
AP Biology Teacher  
Bedford School District**



**Carolyn Rodriguez, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 1998 \* Defended March 4, 2002*

*Advisor: Susan Dymecki*

**Innovating Genetic Technology to Map  
the Origin of the Precerebellar System**

---

**Assistant Professor of Psychiatry and Behavioral Sciences  
Stanford University School of Medicine**



**Jun Shen, Ph.D.**

*B.A., Dartmouth University*

*Entered 1998 \* Defended December 13, 2004*

*Advisor: Christopher A. Walsh*

**Using Forward and Reverse Genetics  
to Study Genes that Control the Size of the Brain**

---

**Assistant Professor of Pathology  
Harvard Medical School**



**Susan St. Pierre, Ph.D.**

*B.S., Stanford University*

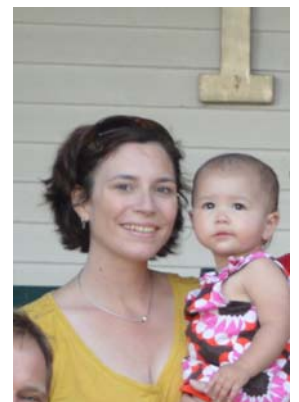
*Entered 1998 \* Defended March 2, 2004*

*Advisor: Stefan Thor*

**Neuronal Specification in Drosophila:  
The roles of rotund and squeeze, two related zinc finger genes**

---

**Not currently working**





**Brian Whalen, Ph.D.**

*B.S., Columbia University*

*Entered 1998 \* Defended April 12, 2005*

*Advisor: Dennis Selkoe*

**Early Events in Alzheimer's Disease:  
An Examination of Amyloid-Beta Protofibril Biology**

---

**Senior Vice President, Science and Medicine  
Evoke Health**



**Fu-Chia Yang, Ph.D.**

*A.B., Harvard College*

*Entered 1998 \* Defended October 8, 2003*

*Advisor: Chuck Weitz*

**The Potential Role for the EGF Receptor System  
in the Circadian Regulation of Locomotor Activity**

---

**Scientist II  
Biogen**



**Paul Ardayfio, Ph.D.**

*Wayne State University*

*Entered 1999 \* Defended May 4, 2006*

*Advisor: Kwang-Soo Kim*

**Behavioral Investigation of Cognitive Function in Mouse Models  
of Neurological and Psychiatric Disorders**

---

**Clinical Research Scientist  
Eli Lilly and Company**



**Nathaniel Blair, Ph.D.**

*B.A., University of Chicago*

*Entered 1999 \* Defended January 15, 2004*

*Advisor: Bruce Bean*

**Contribution of Voltage-Gated Sodium, Calcium and Potassium Currents  
to the Excitability of Nociceptive Sensory Neurons**

---

**Associate Director of Biology  
Rheostat Therapeutics**





**Laurie Burlingame, A.M.**

*B.A., Wellesley College*

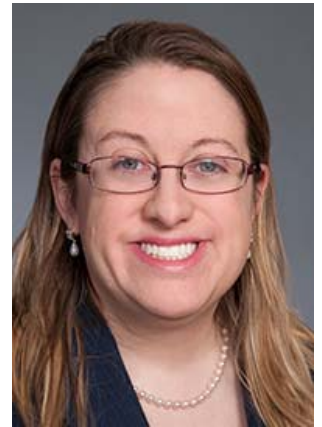
*Entered 1999 \* Withdrew June 1, 2002*

---

**Withdrew with Master's Degree**

**Partner**

**Goodwin Procter LLC**



**Yoojin Choi, Ph.D.**

*University of California, Irvine*

*Entered 1999 \* Defended July 19, 2006*

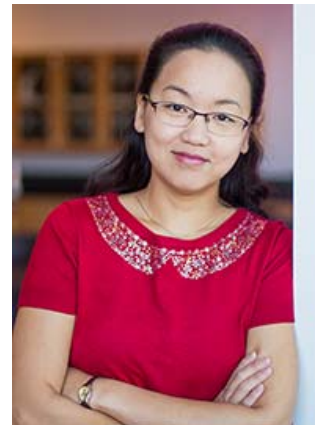
*Advisor: Rosalind Segal*

**Mitogenic Niches in the Developing Cerebellum**

---

**Associate Professor of Biology**

**North Park University**



**Thomas Deuel, M.D./Ph.D.**

*A.B., Princeton University*

*Entered 1999 \* Defended August 4, 2004*

*Advisor: Christopher A. Walsh*

**Doublecortin and the Doublecortin-like Kinase  
in CNS Development and Plasticity**

---

**Acting Assistant Professor - Center for Digital and Experimental Arts**

**University of Washington**



**Shelby Dietz, Ph.D.**

*B.A., Cornell University*

*Entered 1999 \* Defended November 29, 2005*

*Advisor: Venkatesh Murthy*

**Plasticity and Development of the Mitral-Granule Reciprocal Synapse  
in the Mammalian Olfactory Bulb**

---

**Research Associate**

**Cornell University -- Harris-Warrick Lab**





### **Eleanore Edson, Ph.D.**

*B.S., Stanford University*

*Entered 1999 \* Defended August 3, 2005*

*Advisor: Chinfei Chen*

*Entered September 1999*

**Contributions of Glutamate Transporters and  
Metabotropic Glutamate Receptors to Synaptic Transmission  
over Development at the Retinogeniculate Synapse**

---

**Senior Program Manager**

**Bill and Melinda Gates Foundation**



### **Kelly Foster, Ph.D.**

*B.S., University of Pittsburgh*

*Entered 1999 \* Defended August 11, 2004*

*Advisor: Wade Regehr*

**Mechanisms and Functional Consequences of Depression  
at the Climbing Fiber to Purkinje Cell Synapse**

---

**Director of Biology**

**Pinteon Therapeutics**



### **Sanjiv Harpavat, M.D./Ph.D.**

*B.S., Stanford University*

*Entered 1999 \* Defended October 20, 2004*

*Advisor: Connie Cepko*

**Roles of Thyroid Hormone in Chick Retinal Development**

---

**Assistant Professor of Pediatrics**

**Baylor College of Medicine**



### **Maria Lehtinen, Ph.D.**

*B.A., University of Pennsylvania*

*Entered 1999 \* Defended December 15, 2005*

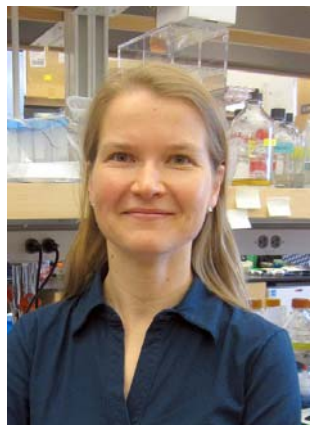
*Advisor: Azad Bonni*

**Survival and Death Signaling Pathways: From Single Cells to Organisms**

---

**Associate Professor in Pathology**

**Harvard Medical School**





**Jacob Marcus, Ph.D.**

*B.S., Massachusetts Institute of Technology*

*Entered 1999 \* Defended April 28, 2006*

*Advisor: Joel Elmquist*

**Orexin Receptors and the Central Autonomic System**

---

**Principal Scientist, Neuroscience Discovery  
Merck Research Laboratories**



**Bence Ölveczky, Ph.D.**

*M.Sc., Technical University of Budapest*

*M.Sc., Imperial University*

*Entered 1999 \* Defended May 23, 2003*

*Advisor: Markus Meister*

**Retinal Processing of Natural Motion**

---

**Professor of Organismic and Evolutionary Biology  
Harvard University**



**Hien Tran, M.D./Ph.D.**

*Stanford University*

*Entered 1999 \* Defended June 5, 2003*

*Advisor: Michael Greenberg*

**A Role for Forkheads in the Response to Stress**

---

**Dermatologist  
San Diego, California**



**Duo Wang, Ph.D.**

*B.S., Beijing University*

*Entered 1999 \* Defended May 2, 2005*

*Advisor: Gary Ruvkun*

**Negative regulation of RNA interference in *Caenorhabditis elegans***

---

**Direct Market Intelligence  
Stryker**





**Amy Ashbacher, A.M.**

*B.S., Massachusetts Institute of Technology  
Entered September 2000 \* Left June 1, 2005  
Advisor: John Assad*

---

**Withdrew with Master's degree  
Whereabouts unknown**



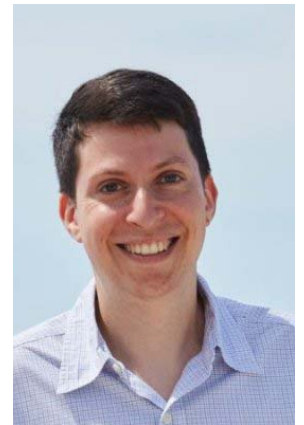
**Jay Bikoff, Ph.D.**

*Sc.B., Brown University  
Entered 2000 \* Defended May 7, 2007  
Advisor: Michael Greenberg*

**Molecular Mechanisms Regulating Cortical Development:  
From Neurons to Synapses**

---

**Principal Investigator  
St. Jude's Research Hospital**



**Saskia de Vries, Ph.D.**

*B.S., Yale University  
Entered 2000 \* Defended May 5, 2006  
Advisor: Markus Meister*

**Modulation of Retinal Responses by Single Amacrine Cells**

---

**Assistant Investigator  
Allen Institute for Brain Science**



**Antoniu Fantana, Ph.D.**

*Diploma, Heidelberg University  
Entered 2000 \* Defended May 1, 2006  
Advisor: Markus Meister*

**Odor Processing in the Olfactory Bulb:  
Structure of Mitral Cell Receptive Fields**

---

**Regional Medical Leader Global Patient Safety/Regulatory Affairs  
Eli Lilly and Company**





**Carson Alex Goddard, Ph.D.**

*B.A., Oberlin College*

*Entered 2000 \* Defended May 15, 2006*

*Advisor: Carla Shatz*

**MHC Class I and the Homeostatic Regulation of CNS Synapses**

---

**Vice President, Research and Development  
AoBiome, Inc.**



**Joshua Gooley, Ph.D.**

*B.A., Wesleyan University*

*Entered 2000 \* Defended October 31, 2005*

*Advisor: Clifford Saper*

**Entrainment of the Circadian Timing System by Light and Food**

---

**Associate Professor, Neuroscience and Behavioral Disorders Program  
Duke-NUS Medical School**



**Anna Greka, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 2000 \* Defended October 10, 2002*

*Advisor: David Clapham*

**TRP Channels and the Cytoskeleton:  
Implications for Neuronal Growth and Cellular Motility**

---

**Assistant Professor of Medicine  
Harvard Medical School**



**Kenichi Hartman, Ph.D.**

*B.S., Brandeis University*

*Entered 2000 \* Defended April 28, 2006*

*Advisor: Venkatesh Murthy*

**Regulation of Neuronal Morphology  
and Synaptic Development by Activity**

---

**Senior U.S. Patent Agent  
Allan C. Entis, Ph.D. Intellectual Property Ltd.**





### **Matthew Hass, Ph.D.**

*B.S., University of Iowa*

*Entered 2000 \* Defended November 16, 2006*

*Advisor: Bruce Yankner*

**Identification of Novel Roles of the Amyloid Precursor Protein  
in Signal Transduction**

---

**Research Instructor**

**Cincinnati Children's Hospital Medical Center**



### **Rhonda Hyde, Ph.D.**

*B.S., Yale University*

*Entered 2000 \* Defended September 8, 2008*

*Advisor: Anne Hart*

**Genetic Analysis of Protein Kinase C and MAPK  
in *C. elegans* mechanosensation**

---

**AP Biology Teacher**

**Cristo Rey Dallas College Preparatory School**



### **Alex Jackson, Ph.D.**

*B.Sc., McGill University*

*Entered 2000 \* Defended September 11, 2006*

*Advisor: Bruce Bean*

**Subthreshold Currents Underlying the Spontaneous Firing  
of Hypothalamic Pacemaker Neurons**

---

**Assistant Professor of Physiology and Neurobiology  
University of Connecticut**



### **Vuk Koprivica, Ph.D.**

*B.A., Earlham University*

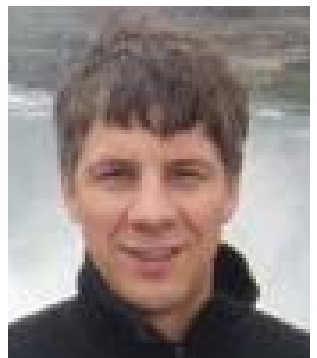
*Entered 2000 \* Defended November 22, 2005*

*Advisor: Zhigang He*

**Mechanisms of Myelin Regeneration Inhibition**

---

**Executive Director of Business Development  
Vanda Pharmaceuticals**





## Sebastian Kraves, Ph.D.

*University of Buenos Aires*

*Entered 2000 \* Defended May 5, 2005*

*Advisor: Chuck Weitz*

**Molecular Analyses of the Circadian Control  
of Locomotor Activity in Mammals**

---

**Co-Founder**

**miniPCR (Amplyus LLC)**



## Claire McKellar, Ph.D.

*B.S., Yale University*

*Entered 2000 \* Defended November 17, 2005*

*Advisor: Carla Shatz*

**A Program of New Gene Expression Induced by Synaptogenesis**

---

**Research Specialist**

**Howard Hughes Medical Institute**



## Brooke Patten, Ph.D.

*B.S., Princeton University*

*Entered 2000 \* Defended December 8, 2005*

*Advisor: Gabriel Corfas*

**Molecular Mechanisms of Radial Glia Formation  
in the Developing Cerebellum**

---

**Assistant Vice President Vascular Surgery  
MedStar Washington Hospital Center**



## Ben Samuels, Ph.D.

*B.S., Johns Hopkins University*

*Entered 2000 \* Defended May 2, 2006*

*Advisor: Li-Huei Tsai*

**Physiological Functions of Cdk5 in the Nervous System**

---

**Assistant Professor of Behavioral and Systems Neuroscience  
Rutgers University**





**Sujith Vijayan, Ph.D.**

*A.B., Amherst College*

*M.A., Boston University*

*Entered 2000 \* Defended September 17, 2007*

*Advisor: Emery Brown*

**Characterization of Activity in the Primary Somatosensory Cortex  
During Active Behavior and Sleep**

---

**Assistant Professor in Neuroscience  
Virginia Tech**



**Kevin Wang, Ph.D.**

*B.S., M.S., Stanford University*

*M.Phil., Cambridge University*

*M.D., University of California at San Francisco*

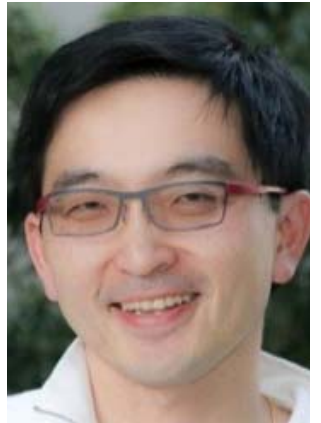
*Entered 2000 \* Defended March 19, 2003*

*Advisor: Zhigang He*

**Signaling Mechanisms Underlying Inhibition  
of Axonal Regeneration by CNS Myelin**

---

**Assistant Professor of Dermatology  
Stanford University School of Medicine**



**Lisa Zakhary, M.D./Ph.D.**

*B.S., Columbia University*

*Entered 2000 \* Defended April 25, 2005*

*Advisor: Catherine Dulac*

**Anatomical and Functional Analysis of MicroRNAs  
in Mammalian Olfactory Neurogenesis**

---

**Psychiatrist  
Massachusetts General Hospital**





**Dinu Florin Albeanu, Ph.D.**

*B.S., Massachusetts Institute of Technology  
Entered 2001 \* Defended September 8, 2008  
Advisor: Venkatesh Murthy*

**Multimodal Imaging of Sensory Inputs and Neuronal Coding  
in the Rodent Olfactory Bulb**

---

**Associate Professor of Neuroscience  
Cold Spring Harbor Laboratory**



**James Berg, Ph.D.**

*B.S., Rutgers University  
Entered 2001 \* Defended May 5, 2008  
Advisor: Gary Yellen*

**Imaging Neuronal Metabolism**

---

**Senior Manager, Electrophysiology  
The Allen Institute for Brain Science**



**Brenda Bloodgood, Ph.D.**

*University of California, San Diego  
Entered 2001 \* Defended July 14, 2006  
Advisor: Bernardo Sabatini*

**Biochemical Compartmentalization and Synaptic Signaling  
In Dendritic Spines of Hippocampal Pyramidal Neurons**

---

**Assistant Professor of Neurobiology  
University of California, San Diego**



**Perry Brittis, Ph.D.**

*B.A., Colgate College  
M.D., Harvard Medical School  
Entered 2001 \* Defended January 29, 2004  
Advisor: John Flanagan*

**RNA Based Mechanisms for Locally Regulating Axon Guidance Decisions**

---

**Physician**





## **Yeang Ch'ng, M.D./Ph.D.**

*B.S., M.S., Yale University*

*Entered 2001 \* Defended September 17, 2007*

*Advisor: Clay Reid*

**Functional Imaging of Cellular and Vascular Activity in Visual Cortex**

---

**Radiologist—Los Angeles, California**

**Fine Art Photographer**



## **Eunju Esther Chung, Ph.D.**

*B.S., Boston College*

*Entered 2001 \* Defended May 9, 2007*

*Advisor: Tom Schwarz*

**Axonal Transport of Synaptic Components and Synaptogenesis  
in Drosophila**

---

**Associate Director, Business Development**

**Genexine, Inc.**



## **Jay Chyung, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 2001 \* Defended September 1, 2004*

*Advisor: Dennis Selkoe*

**Cell Surface Events in the Amyloidogenic Processing  
of the Amyloid Precursor Protein**

---

**Co-Founder and Chief Operating Officer**

**10X Health, Inc.**



## **Sophie Currier, M.D./Ph.D.**

*B.S., Massachusetts Institute of Technology*

*Entered 2001 \* Defended June 7, 2004*

*Advisor: Christopher A. Walsh*

**Genetics of Walker-Warburg Syndrome:  
A Disorder of Brain, Muscle, and Eye Development**

---

**Physician**

**London, England**





**John Dekker, M.D./Ph.D.**

*B.A., Wesleyan University*

*Entered 2001 \* Defended May 2, 2006*

*Advisor: Gary Yellen*

**Molecular Analysis of Gating in Voltage-Dependent Ion Channels**

---

**Co-Director, Bacteriology, Parasitology, Molecular Epidemiology  
NIH Clinical Center**



**Elizabeth Glater, Ph.D.**

*B.A., Swarthmore College*

*Entered 2001 \* Defended May 24, 2006*

*Advisor: Thomas Schwarz*

**The mechanism for Transport of Mitochondria in Drosophila**

---

**Assistant Professor of Neuroscience  
Pomona College**



**Robert Griffin, M.D./Ph.D.**

*B.A., Swarthmore College*

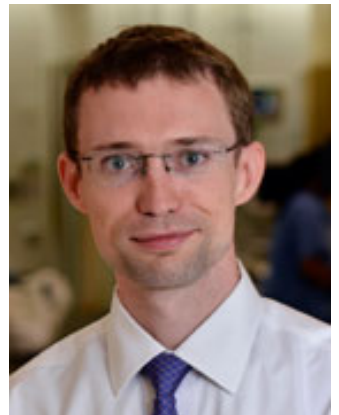
*Entered 2001 \* Defended September 20, 2005*

*Advisor: Clifford Woolf*

**Differential Gene Expression Associated with Neuropathic Pain**

---

**Anesthesiologist  
New York City**



**Dana Harrar, Ph.D.**

*B.A., Johns Hopkins University*

*M.D., Vanderbilt University*

*Entered 2001 \* Defended February 28, 2007*

*Advisor: Michael Greenberg*

**An RNA Interference Screen Identifies New Molecules Required  
for Mammalian Synapse Development**

---

**Pediatric Neurologist  
Children's National Health System**





**Bryan Mac Hooks, Ph.D.**

*A.B., Harvard College*

*Entered 2001 \* Defended March 26, 2007*

*Advisor: Gina Turrigiano*

**Functional Development of the Retinogeniculate Synapse**

---

**Assistant Professor of Neurobiology  
University of Pittsburgh**



**Vikram Khurana, Ph.D.**

*B.A., B.S., M.D., University of Sydney*

*Entered 2001 \* Defended May 11, 2006*

*Advisor: Mel Feany*

**Mitogenic signaling and cell-cycle activation  
mediate Neurodegeneration in Drosophila**

---

**Neurologist—Massachusetts General Hospital  
Principal Faculty—Harvard Stem Cell Institute  
Co-Founder and Vice-President — Yumanity Therapeutics**



**Misao Higashi Kovtun, Ph.D.**

*Sc..B., Brown University*

*Entered 2001 \* Defended April 13, 2009*

*Advisor: Thomas Schwarz*

**Characterization of an Importin beta11 Mutant  
at the Drosophila Neuromuscular Junction**

---

**Philanthropist**



**Brad Molyneaux, M.D./Ph.D.**

*B.A., Dartmouth University*

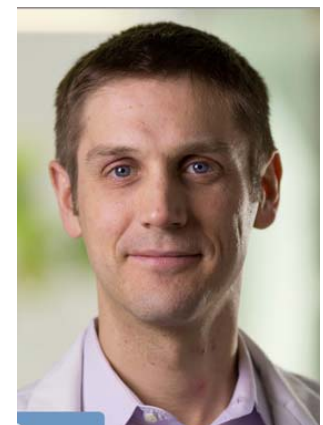
*Entered 2001 \* Defended September 23, 2005*

*Advisor: Jeffrey Macklis*

**Molecular Development of Corticospinal Motor Neurons**

---

**Assistant Professor of Neurology and Critical Care Medicine  
University of Pittsburgh Medical Center**





**Patrick Safo, M.D./Ph.D.**

*B.S., State University of New York at Stony Brook*

*Entered 2001 \* Defended September 23, 2005*

*Advisor: Wade Regehr*

**Molecular Development of Corticospinal Motor Neurons**

---

**Dermatologist**

**Wisconsin**



**Gilberto Soler-Llavina, Ph.D.**

*B.S., University of Puerto Rico*

*Entered 2001 \* Defended August 8, 2007*

*Advisor: Bernardo Sabatini*

**Compartmentalization and Modulation of Synaptic Signaling  
in Dendrites and Spines**

---

**Investigator/Lab Head and Project Team Leader**

**Novartis Institutes for BioMedical Research**



**Rebecca Swimmer, A.M.**

*University of Illinois, Urbana*

*Entered September 2001 \* Withdrew June 1, 2005*

---

**Withdrew with Master's degree**

**Veterinarian in Venice, California**



**Cindy Chen, A.M.**

*B.S., Massachusetts Institute of Technology*

*Entered 2002 \* Withdrew June 1, 2008*

---

**Withdrew with Master's Degree**

**Whereabouts unknown**



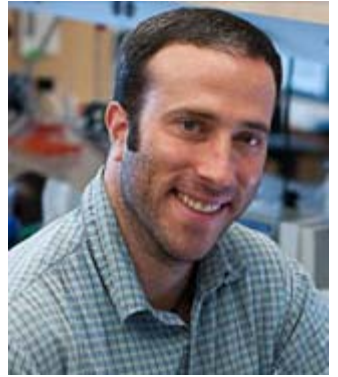
**Kenneth Colodner, Ph.D.**

*B.A., Northwestern University  
Entered 2002 \* Defended June 2, 2008  
Advisor: Mel Feany*

**Using *Drosophila* to Investigate the Glial Contribution  
to Neurodegenerative Disorders**

---

**Assistant Professor of Neuroscience and Behavior  
Mt. Holyoke College**



**Steven Flavell, Ph.D.**

*B.A., Oberlin College  
Entered 2002 \* Defended October 17, 2008  
Advisor: Michael Greenberg*

**Regulation of synapse development  
by the activity-regulated transcription factor MEF2**

---

**Assistant Professor of Brain and Cognitive Sciences  
Massachusetts Institute of Technology**



**Raj Gopal, M.D./Ph.D.**

*B.S., University of California, Irvine  
Entered 2002 \* Defended June 26, 2007  
Advisor: Bruce Yankner*

**Regulation of DNA Double-Strand Break Repair by Parkin**

---

**Physician  
Massachusetts General Hospital**



**Brian Hafler, M.D./Ph.D.**

*B.S., Princeton University  
Entered 2002 \* Defended November 7, 2006  
Advisor: David Rowitch*

**Transcriptional Regulation of Olig2 in Motor Neuron Development**

---

**Ophthalmologist  
Massachusetts Eye and Ear Institute**





**Todd Herrington, M.D./Ph.D.**

*B.S., Stanford University*

*Entered 2002 \* Defended June 15, 2007*

*Advisor: John Assad*

**Attentional Dynamics in Parietal Cortex**

---

**Neurologist**

**Director, Deep Brain Stimulation Program  
Massachusetts General Hospital**



**Elizabeth Hong, Ph.D.**

*B.S., California Institute of Technology*

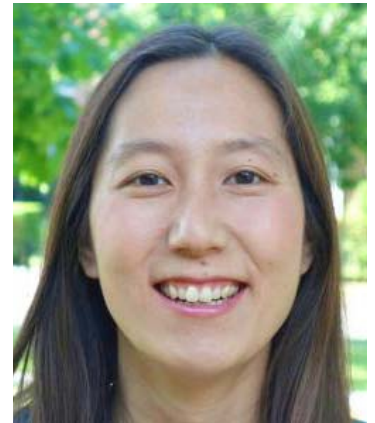
*Entered 2002 \* Defended December 1, 2008*

*Advisor: Michael Greenberg*

**Functional Significance of Neuronal Activity-Dependent  
Transcriptional Regulation in the Nervous System**

---

**Assistant Professor of Neuroscience  
California Institute of Technology**



**Michael Hughes, Ph.D.**

*B.S., Stanford University*

*Entered 2002 \* Defended December 19, 2006*

*Advisor: Dietmar Schmucker*

**A Genetic and Biochemical Analysis of Dscam Signaling  
in Dendrite Morphogenesis**

---

**Assistant Professor of Medicine  
Washington University School of Medicine**



**John Nicholas Hunter, Ph.D.**

*B.S., University of Washington*

*Entered 2002 \* Defended June 16, 2009*

*Advisor: Richard T. Born*

**Spatial Integration of Motion Signals in Macaque MT**

---

**Whereabouts unknown**





**Eirene Kontopoulos, Ph.D.**

*B.A., Haverford College*

*Entered 2002 \* Defended May 4, 2007*

*Advisor: Mel Feany*

**Mechanisms of alpha-synuclein Neurotoxicity in Parkinson's Disease**

---

**Biotech Analyst**

**Fidelity Investments**



**Edmund Koundakjian, Ph.D.**

*B.S., University of California, Riverside*

*M.S., California State University, San Bernardino*

*Entered 2002 \* Defended May 15, 2008*

*Advisor: Lisa Goodrich*

**An Analysis of the Development of the Cochlear-Vestibular Ganglion**

---

**Patent Agent**

**Morgan, Lewis & Bockius**



**Alice Lu, Ph.D.**

*B.A., Columbia University*

*Entered 2002 \* Defended August 11, 2008*

*Advisor: Rudolph Tanzi*

**Potential Roles for Ubiquilin 1 in Alzheimer's Disease Pathogenesis**

---

**Healthcare & Life Sciences Strategy Consultant**

**Clarion Healthcare**



**Ju Lu, Ph.D.**

*B. Engr., Tsinghua University*

*Entered 2002 \* Defended April 21, 2008*

*Advisor: Jeff Lichtman*

**Connectomic Studies of the Mammalian Neuromuscular System**

---

**Assistant Project Scientist**

**University of California, Santa Cruz (Beijing, China)**





**Laura Magnotti, Ph.D.**

*B.A., University of Pennsylvania  
Entered 2002 \* Defended May 27, 2010  
Advisor: David Paul*

**Gap Junctions Between Astrocytes and Oligodendrocytes  
Are Critical for Normal Glial Function**

---

**Associate Concentration Advisor in Neurobiology  
Harvard University  
Senior Editor, American Journal Experts**



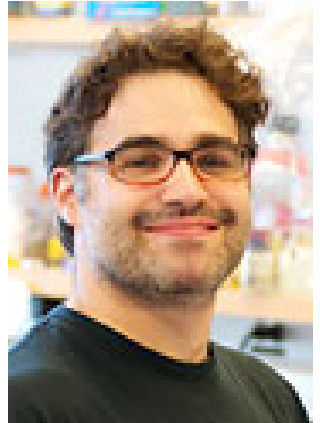
**David Simon, Ph.D.**

*B.S., M.S., Brandeis University  
Entered 2002 \* Defended April 30, 2008  
Advisor: Josh Kaplan*

**microRNA Regulation of Synapse Function in *C. elegans***

---

**Postdoctoral Fellow  
The Rockefeller University—Tessier-Lavigne Lab**



**Glenn Yiu, M.D./Ph.D.**

*B.S., Columbia University  
Entered 2002 \* Defended May 26, 2006  
Advisor: Zhigang He*

**Signaling Mechanisms Limiting Axon Regeneration  
in the Adult Central Nervous System**

---

**Assistant Professor of Ophthalmology  
University of California, Davis**



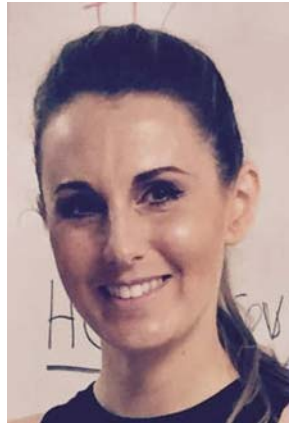
**Victoria Abaira, Ph.D.**

*B.S., University of Southern California  
Entered 2003 \* Defended March 30, 2009  
Advisor: Lisa Goodrich*

**Molecular Mechanisms of Inner Ear Morphogenesis**

---

**Assistant Professor of Cell Biology and Neuroscience  
Rutgers University**





**Joshua Jacob Buchman, Ph.D.**

*B.A., Rutgers University*

*Entered 2003 \* Defended October 1, 2009*

*Advisor: Li-Huei Tsai*

**Roles of centrosome proteins associated  
with primary microcephaly in mammalian corticogenesis**

---

**Science Advisor**

**Goodwin Procter LLP**



**Adam Christensen, Ph.D.**

*B.S., University of Iowa*

*Entered 2003 \* Defended March 30, 2009*

*Advisor: David Corey*

**The Role of TRP Channels in Mechanosensation**

---

**Special Agent**

**Federal Bureau of Investigation**



**Stephanie Courchesne Schlink, Ph.D.**

*B.S., Davidson College*

*Entered 2003 \* Defended November 3, 2009*

*Advisor: Rosalind Segal*

**Spatial Aspects of Neuronal Survival Signaling in Sensory Neurons:  
A Role for Mef2D and Bcl-w**

---

**Health Sciences Policy Analyst**

**National Institutes of Health**



**Luis de la Torre Ubieta, Ph.D.**

*B.S., University of Puerto Rico*

*Entered 2003 \* Defended May 4, 2010*

*Advisor: Azad Bonni*

**Transcriptional Regulation of Neuronal Polarity**

---

**Assistant Professor, Psychiatry and Biobehavioral Sciences  
University of California, Los Angeles School of Medicine**





**Xuecai Ge, Ph.D.**

*B.S., Beijing University*

*M.S., Tsinghua University*

*Entered 2003 \* Defended April 8, 2009*

*Advisor: Li-Huei Tsai*

**Functions of the Centrosome in Embryonic Neurogenesis**

---

**Assistant Professor of Natural Sciences  
University of California, Merced**



**Johannes Haushofer, Ph.D.**

*B.A., Oxford University*

*Entered 2003 \* Defended March 26, 2008*

*Advisor: Margaret Livingstone*

**Cortical Object Representations**

---

**Assistant Professor of Psychology and Public Affairs  
Princeton University**



**Matthew Hemming, Ph.D.**

*B.S., University of California, San Diego*

*M.D., Harvard Medical School*

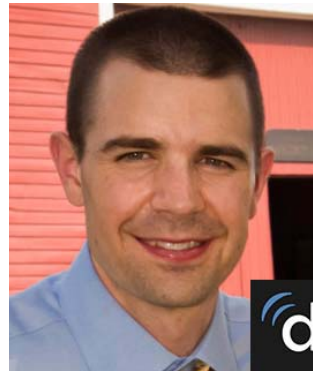
*Entered 2003 \* Defended September 10, 2007*

*Advisor: Dennis Selkoe*

**Regulation of Beta-Amyloid Protein Levels by Proteolytic Degradation  
and Its Implications for Alzheimer's Disease**

---

**Oncologist  
Dana Farber Cancer Institute**



**Youn-Young Kate Hong, Ph.D.**

*B.S., Brown University*

*Entered 2003 \* Defended April 21, 2010*

*Advisor: Joshua Sanes*

**Structure and Development of Retinal Ganglion Cells**

---

**Postdoctoral Fellow  
Columbia University—Bruno Lab**





### **Aaron Kerlin, Ph.D.**

*B.A., Oberlin College*

*Entered 2003 \* Defended January 18, 2011*

*Advisor: R. Clay Reid*

**Response properties of inhibitory neuron subtypes  
in mouse visual cortex**

---

**Research Scientist**

**Janelia Farm—Svoboda Lab**



### **Allison Terra Knoll, Ph.D.**

*B.S., University of Wisconsin at Madison*

*Entered 2003 \* Defended November 9, 2009*

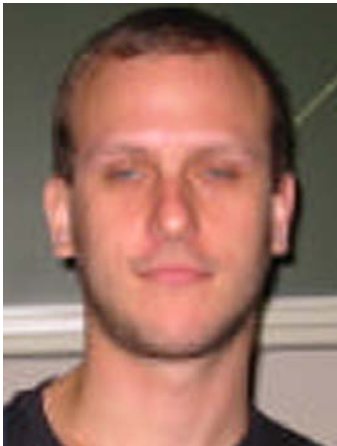
*Advisor: Bill Carlezon*

**Role of Kappa Opioid Receptors  
in Fear and Anxiety-like Behavior in Rats**

---

**Assistant Professor of Research Pediatrics**

**U.S.C. School of Medicine**



### **Camilo Libedinsky, Ph.D.**

*B.S., University of Chile*

*Entered 2003 \* Defended May 6, 2009*

*Advisor: Marge Livingstone*

**Neuronal Mechanisms of Visual Perception: Role of Early Visual  
and Prefrontal Cortical Areas in Conscious Awareness**

---

**Assistant Professor of Psychology**

**National University of Singapore**



### **Timothy Mosca, Ph.D.**

*B.S., M.S., Yale University*

*Entered 2003 \* Defended April 23, 2009*

*Advisor: Thomas Schwarz*

**Nuclear Import and Synapse to Nucleus Signaling  
at the Drosophila Neuromuscular Junction**

---

**Assistant Professor of Neuroscience**

**Thomas Jefferson University**





**Carlos Ponce, M.D./Ph.D.**

*B.S., University of Utah*

*Entered 2003 \* Defended May 22, 2008*

*Advisor: Rick Born*

**Integrating Visual Information through Parallel Pathways**

---

**Assistant Professor**

**Washington University School of Medicine**



**Pavan Ramdya, Ph.D.**

*B.A., Drew University*

*Entered 2003 \* Defended May 1, 2009*

*Advisor: Florian Engert*

**Direction selectivity in the larval zebrafish optic tectum**

---

**Assistant Professor**

**École Polytechnique Fédérale de Lausanne**



**James Fitzhugh Sturgill, Ph.D.**

*B.S., Davidson College*

*Entered 2003 \* Defended September 30, 2009*

*Advisor: Bernardo Sabatini*

**Activity-dependent Regulation of Synapse Structure and Function:  
Roles of PSD-95 and the Metabolic Sensor, AMPK**

---

**Postdoctoral Fellow**

**Cold Spring Harbor Laboratory—Kepecs Lab**



**Geoffrey Tanner, Ph.D.**

*B.S., Yale University*

*M.A.L.S., Wesleyan University*

*Entered 2002 \* Defended July 29, 2009*

*Advisor: Gary Yellen*

**K(ATP) Channels, Metabolism, and Neuronal Excitability**

---

**Assistant Professor in Residence**

**University of Connecticut**





**Max Tischfield, Ph.D.**

*B.A., Rutgers University*

*Entered 2003 \* Defended April 23, 2009*

*Advisor: Elizabeth Engle*

**Human Eye Movement Disorders Help Identify Molecular  
and Genetic Etiologies of Novel Neurological Syndromes**

---

**Assistant Professor in Cell Biology and Neuroscience  
Rutgers University**



**Rochelle Witt, M.D./Ph.D.**

*B.S., University of Illinois, Urbana*

*Entered 2003 \* Defended June 22, 2010*

*Advisor: Rosalind Segal*

**Of Structure and Function: The Nature of  
the Sonic Hedgehog-Heparan Sulfate Proteoglycan Interaction**

---

**Pediatric Neurologist  
New York City**



**Eiman Abdel-Azim, Ph.D.**

*B.S., B.A., Stanford University*

*Entered 2004 \* Defended November 20, 2009*

*Advisor: Jeffrey Macklis*

**Molecular Controls over Neocortical Neuronal Diversity  
and Oligodendrocyte Development**

---

**Assistant Professor of Molecular Neurobiology  
Salk Institute**



**Jessica Appler, Ph.D.**

*B.S., University of Southern California*

*Entered 2004 \* Defended April 22, 2010*

*Advisor: Lisa Goodrich*

**The Molecular and Morphological Development  
of Spiral Ganglion Neurons**

---

**Acting Director of Division of Quantitative Analysis  
BARDA/U.S. Department of Health and Human Services**





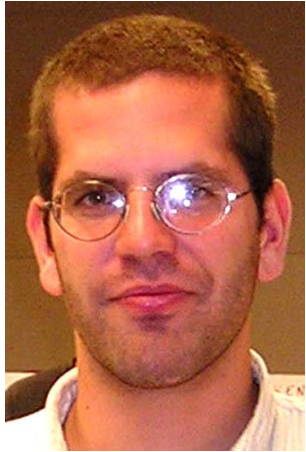
**Parizad Bilimoria, Ph.D.**

*B.S., M.S., Brandeis University  
Entered 2004 \* Defended May  
Advisor: Azad Bonni*

**Signaling Mechanisms Regulating Neuronal Morphogenesis  
in the Cerebellar Cortex**

---

**Science Program Manager  
Harvard Brain Science Initiative**



**Dravida Das Bock, Ph.D.**

*B.S., Brown University  
Entered 2004 \* Defended January 10, 2011  
Advisor: R. Clay Reid*

**Network Anatomy and In Vivo Physiology  
from a Group of Visual Cortical Neurons**

---

**Group Leader  
Janelia Farm**



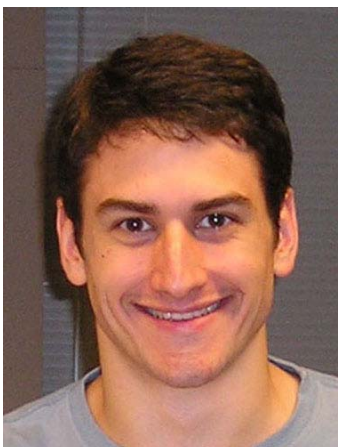
**Kelly Dakin, Ph.D.**

*B.A., Bowdoin College  
Entered 2004 \* Defended September 6, 2011  
Advisor: Bruce Yankner*

**Novel Biological Functions of Hemoglobin in the Brain**

---

**Assistant Director, F-Prime Biomedical Research Initiative  
Scientific Content Manager, Alzforum**



**Nathan Gouwens, Ph.D.**

*B.A., Northwestern University  
Entered 2004 \* Defended July 15, 2009  
Advisor: Rachel Wilson*

**Processing of Neural Signals in the Drosophila Olfactory System**

---

**Scientist I  
The Allen Institute for Brain Science**





**Peri Kurshan, Ph.D.**

*B.Sc., Brown University*

*Entered 2004 \* Defended March 4, 2010*

*Advisor: Thomas Schwarz*

**The Role of Alpha2delta-3 in Calcium-Channel Localization,  
Synaptic Function and Bouton Formation**

---

**Postdoctoral Fellow**

**Stanford University—Shen Lab**



**Jason Neal, Ph.D.**

*B.S., Hampton University*

*M.D., Columbia University Medical Center (2014)*

*Entered 2004 \* Defended August 3, 2010*

*Advisor: Christopher A. Walsh*

**Insights into the role of Filamin A and Argef2 genes  
in periventricular heteropia formation**

---

**Neurologist**

**New York**



**Shawn R. Olsen, Ph.D.**

*B.S., University of Utah*

*Entered 2004 \* Defended August 11, 2008*

*Advisor: Rachel Wilson*

**Synaptic and Circuit Mechanisms of Odor Processing in Drosophila**

---

**Associate Investigator**

**The Allen Institute for Brain Science**



**Irit Rappley, Ph.D.**

*B.S., Massachusetts Institute of Technology*

*Entered 2004 \* Defended May 1, 2009*

*Advisor: Dennis Selkoe*

**Selective Effects of Alpha-Synuclein  
on Membrane Phospholipids and Mitochondrial Function**

---

**Protein Homeostasis Lead for Neuroscience**

**Celgene**





**Leigh Amanda Sadacca, Ph.D.**

*B.A., University of Pennsylvania*

*Entered 2004 \* Defended July 15, 2010*

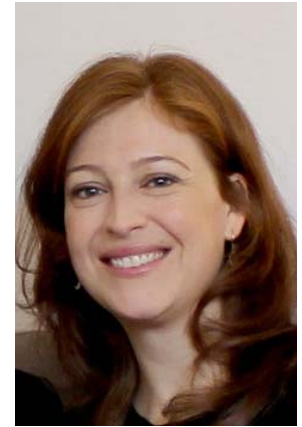
*Advisor: Charles Weitz*

**Circadian Clocks in Behavior and Physiology**

---

**Program Manager**

**The New York Academy of Sciences**



**Ganesh Shankar, M.D./Ph.D.**

*B.A., Stanford University*

*Entered 2004 \* Defended December 17, 2007*

*Advisor: Dennis Selkoe, Bernardo Sabatini*

**Soluble Abeta Oligomers and Synaptic Dysfunction  
in Alzheimer's Disease**

---

**Neurosurgeon**

**Massachusetts General Hospital**



**Yue Yang, Ph.D.**

*B.S., Stanford University*

*Entered 2004 \* Defended May 3, 2010*

*Advisor: Azad Bonni*

**A Cdc20-APC Ubiquitin Signaling Pathway  
Regulates Presynaptic Differentiation**

---

**Staff Scientist**

**Washington University in St. Louis —Bonni Lab**



**Kevin Michael Cury, Ph.D.**

*B.S., University of California at Berkeley*

*Entered 2005 \* Defended April 29, 2011*

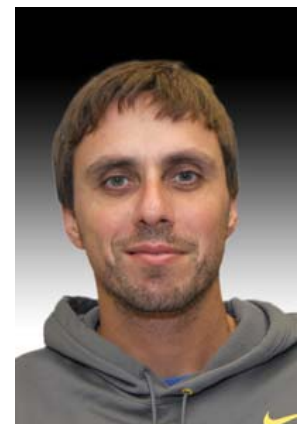
*Advisor: Naoshige Uchida*

**The Role of Spike Timing in Odor Coding During Sniffing**

---

**Postdoctoral Fellow**

**Columbia University—Axel Lab**



11

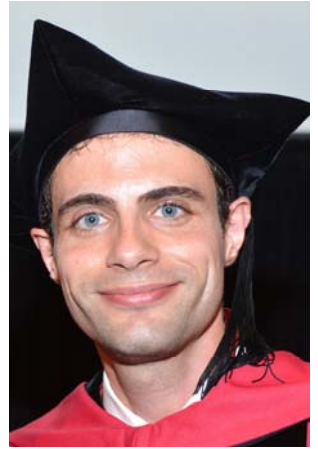


**Danos Christodoulou**

*B.S., University of Wisconsin at Madison  
Entered 2005 \* Withdrew May 11, 2006*

---

**Withdrew without taking degree  
Transferred to BBS, defended 2013  
Postdoctoral Fellow  
Harvard Medical School—Seidman Lab**



**Jamie Fitzgerald, Ph.D.**

*B.S., Stanford University  
Entered 2005 \* Defended August 23, 2011  
Advisor: John Assad*

**Generalized associative representations in parietal cortex**

---

**Data Scientist  
Jet.com**



**Masha Gelfand, Ph.D.**

*B.S., Washington University  
Entered 2005 \* Defended April 13, 2012  
Advisor: Chenghua Gu*

**Characterization of the in vivo role of Neuropilin1 during development**

---

**Scientific Editor  
Cell Press/Elsevier**



**Andrew Jacob Giessel**

*B.S., University of Kansas  
Entered 2005 \* Defended August 19, 2010  
Advisor: Bernardo Sabatini*  
**Local, Non-linear Regulation of Synaptic Signals  
at Dendritic Spines of CA1 Pyramidal Cells**

---

**Senior Data Scientist  
Moderna Therapeutics**





**J. Stefan Kaczmarek, Ph.D.**

*B.A., Williams College*

*Entered 2005 \* Defended August 2, 2011*

*Advisor: David Clapham*

*Entered September 2005*

**Novel activation mechanisms of TRPC5 reveal its participation  
in neuronal growth cone collapse**

---

**Scientific Director**

**Rheostat Therapeutics**



**Nadia Litterman, Ph.D.**

*A.B., Princeton University*

*Entered 2005 \* Defended April 12, 2011*

*Advisor: Azad Bonni*

**Regulation of Golgi Morphogenesis and Dendrite Patterning  
by Ubiquitin Signaling**

---

**Senior Project Manager**

**23andMe**



**Luis Mejia, Ph.D.**

*B.S., University of Illinois – Urbana*

*Entered 2005 \* Defended June 6, 2013*

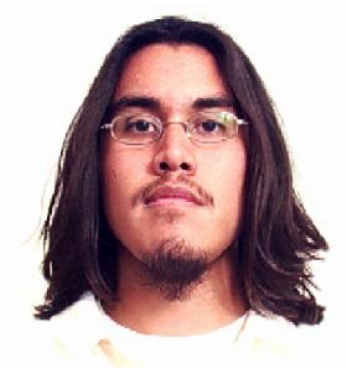
*Advisor: Azad Bonni*

**Interaction proteomics identifies a novel Hap1-Tsc1 connection  
that controls Neuronal mTORC1 signaling  
and pyramidal neuron morphogenesis**

---

**Postdoctoral Fellow**

**Cold Spring Harbor Laboratory — Bo Li Lab**



**Elliott Merriam**

*B.S., University of Wisconsin at Madison*

*Entered 2005 \* Withdrew May 11, 2006*

---

**Withdrew without taking degree**

**Earned Ph.D. at University of Wisconsin program in neuroscience  
Data Scientist, Facebook**





**Michael Hideki Myoga, Ph.D.**

*B.S., University of Washington  
Entered 2005 \* Defended February 25, 2011  
Advisor: Wade Regehr*

**Calcium-Dependent Synaptic Plasticity in the Cerebellum**

---

**Subgroup Leader**

**Ludwig Maximilians Universtat—Munich**



**Allison Paradise, A.M.**

*B.Sc., Brown University  
Entered 2005 \* Left November 1, 2009*

**Withdrew with Master's degree  
Executive Director, My Green Lab**



**Simina Popa**

*B.S., University of Washington  
Entered 2005 \* Left July 19, 2007*

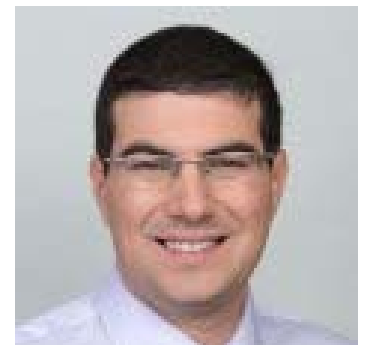
**Withdrew without taking degree  
Earned Ph.D. from University of Washington  
Scientist II, NanoString Technologies**



**Zeev Waks**

*B.S., Technion-Israel Institute of Technology  
Entered 2005 \* Withdrew November 27, 2006*

**Transferred to Systems Biology  
Biomedical Data Scientist, Israel**





## Yi (Joey) Zhou, Ph.D.

*B.S., Duke University*

*Entered 2005 \* Defended December 16, 2011*

*Advisor: Rachel Wilson*

**Transduction in *Drosophila* olfactory receptor neurons  
is invariant to air speed**



**Quantitative Researcher  
TrexQuant Management**





**Rachel Bortnick, M.D./Ph.D.**

*B.A., University of Chicago*

*M.Phil, Cambridge University*

*Entered 2006 \* Defended October 21, 2009*

*Advisor: Dietmar Schmucker*

**Genetic Dissection of the Dscam Pathway**

---

**Pediatrician**

**University Hospital—Freiberg**



**Daniel Brady, Ph.D.**

*B.S., University of California at Berkeley*

*Entered 2006 \* Defended October 28, 2011*

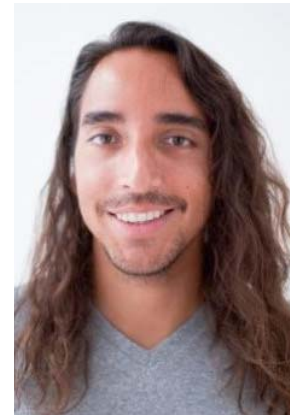
*Advisor: Takao Hensch*

**Mechanisms of cross-modal refinement by visual experience**

---

**Co-Founder/Data Scientist**

**Orita**



**Brett Carter, Ph.D.**

*B.S., George Institute of Technology*

*Entered 2005 \* Defended July 27, 2011*

*Advisor: Bruce Bean*

**Sodium current during and between action potentials  
of GABAergic and glutamatergic neurons**

---

**Group Leader**

**European Neuroscience Institute (Germany)**



**Eun Young Choi, Ph.D.**

*B.A., Columbia University*

*Entered 2006 \* Defended July 29, 2013*

*Advisor: Randy Buckner*

**The Organization of Corticostriatal Connectivity in the Human Brain**

---

**Postdoctoral Fellow**

**Stanford University—Henderson Lab**





**Irina De la Huerta, Ph.D.**

*A.B., Harvard College*

*M.D., University of Toronto*

*Entered 2006 \* Defended April 19, 2012*

*Advisor: Joshua Sanes*

**Expression and role of cadherins in the mammalian visual system**

---

**Ophthalmologist  
UCSF Medical Center**



**Adriana Eisner, Ph.D.**

*B.A., University of California at Berkeley*

*Entered 2006 \* Defended June 26, 2013*

*Advisor: Rosalind Segal*

**Phosphatome RNAi Screen Identifies Eya1 as a Positive Regulator  
of Hedgehog Signal Transduction**

---

**Associate Director, Portfolio Planning  
BlackThorn Therapeutics**



**Soyon Hong, Ph.D.**

*B.S., University of Washington*

*Entered 2006 \* Defended April 18, 2012*

*Advisor: Dennis Selkoe*

**Probing the in vivo economy of amyloid beta-protein  
during the development of Alzheimer's disease-type pathology**

---

**Postdoctoral Fellow  
Harvard Medical School—Stevens Lab**



**Kuo-Hua Huang, Ph.D.**

*B.S., National Tsinghua University*

*Entered 2006 \* Defended April 18, 2012*

*Advisor: Florian Engert*

**Control of Turning Behaviors by Spinal Projection Neurons**

---

**Postdoctoral Fellow  
Friedrich Meissner Institute, Switzerland**





**Yessenia Ibarra, Ph.D.**

*B.S., San Diego State University  
Entered 2006 \* Defended February 14, 2014  
Advisor: David Clapham*

**Characterization of human TRPA1 and TRPV1 channels  
in response to naturally occurring defensive compounds**

---

**Public Health Advisor  
Center for Disease Control (Boston)**



**Martin Kurtev, A.M.**

*B.S., Massachusetts Institute of Technology  
Entered 2006 \* Withdrew with Master's degree on 3/31/2014  
Advisor: David Clapham*

---

**Whereabouts unknown**



**Brendan Lehnert, Ph.D.**

*B.S., Stanford University  
Entered 2006 \* Defended April 10, 2012  
Advisor: Rachel Wilson*

**Distinct roles of TRP channels in auditory transduction  
and amplification in Drosophila**

---

**Postdoctoral Fellow  
Harvard Medical School—Ginty Lab**



**Alan Mardinly, Ph.D.**

*B.A., University of Chicago  
Entered 2006 \* Defended January 16, 2013  
Advisor: Michael E. Greenberg*

**Regulation of Synapse Development  
by Activity Dependent Transcription in Inhibitory Neurons**

---

**Postdoctoral Fellow  
University of California, Berkeley—Adesnik Lab**





**Amy Meesun Ni, Ph.D.**

*B.A., Dartmouth University*

*Entered 2006 \* Defended December 19, 2011*

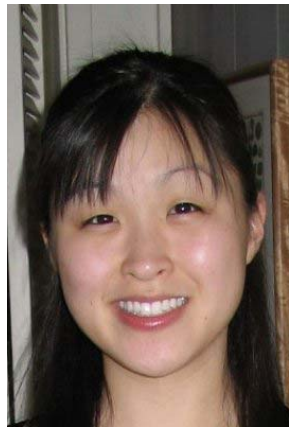
*Advisor: John Maunsell*

**Visual Attention and the Role of Normalization**

---

**Postdoctoral Fellow**

**University of Pittsburgh (Cohen Lab)**



**Alexandra Smolyanskaya, Ph.D.**

*B.S., State University of New York at Stony Brook*

*Entered 2006 \* Defended August 24, 2012*

*Advisor: Richard T. Born*

**Dynamics of cortical decision circuits  
during changes in the fidelity of sensory representations**

---

**Data Scientist**

**Stitch Fix**



**Michael Soskis, Ph.D.**

*B.A., Yale University*

*Entered 2006 \* Defended June 20, 2012*

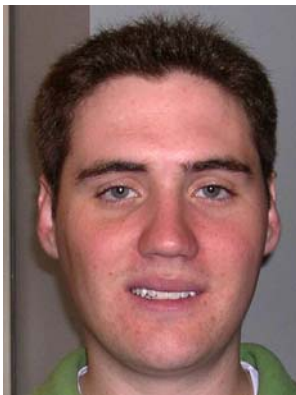
*Advisor: Michael E. Greenberg*

**A chemical-genetic study  
of EphB receptor tyrosine kinase signaling  
in the developing nervous system**

---

**Case Team Leader**

**The Bridgespan Group**



**David Stoppel, Ph.D.**

*B.A., New York University*

*Entered 2006 \* Defended January 29, 2014*

*Advisor: Matthew Anderson*

**Social Behavior and Gene Expression Disturbances in Mouse Models  
of Angelman Syndrome and Idic15 Autism**

---

**Postdoctoral Fellow**

**Massachusetts Institute of Technology (Bear Lab)**





**Ashlee Van't Veer, Ph.D.**

*B.A., Rutgers University*

*Entered 2006 \* Defended January 24, 2013*

*Advisor: Bill Carlezon*

**Role of Kappa-Opioid Receptors in Stress-Induced Behaviors**

---

**Program Officer**

**National Institute of Mental Health**



**Nina Vujović, Ph.D.**

*B.A., University of Virginia*

*Entered 2006 \* Defended October 8, 2013*

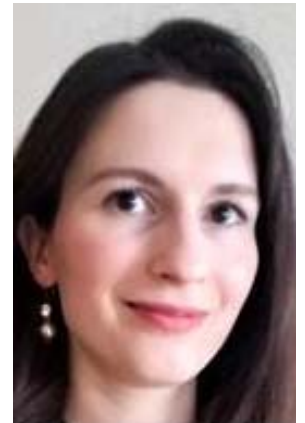
*Advisor: Clifford Saper*

**Hypothalamic neural circuits underlying circadian organization of behavior and physiology**

---

**Postdoctoral Fellow**

**Harvard Medical School —- Medical Chronobiology Program**



**Oulu Wang, Ph.D.**

*A.B., Harvard College*

*J.D., Harvard Law School (May 2018)*

*Entered 2006 \* Defended April 13, 2012*

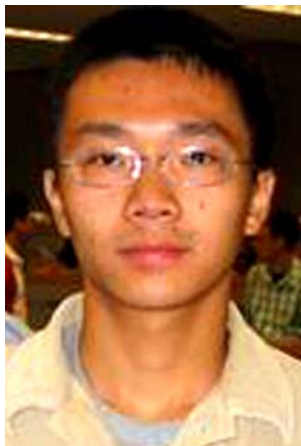
*Advisor: Joseph Majzoub*

**Glucocorticoids Promote Obesity and Suppression of Reproductive Function During Stress**

---

**Law Student Associate**

**Finnegan, Henderson, Farabow et al.**



**Zheng (Herbert) Wu, Ph.D.**

*B.S., Fudan University*

*Entered 2006 \* Defended July 25, 2013*

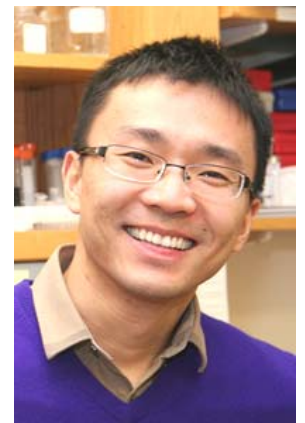
*Advisor: Catherine Dulac*

**Molecular Dissection of Neural Circuits underlying Parental Behavior in Mice**

---

**Postdoctoral Fellow**

**Columbia University—Axel Lab**





**Allison Rosen Bialas, Ph.D.**

*B.A., Cornell University*

*Entered 2007 \* Defended April 29, 2013*

*Advisor: Beth Stevens*

**Initiating Complement-dependent Synaptic Refinement:  
Mechanisms of Neuronal C1q Regulation**

---

**Postdoctoral Fellow**

**Harvard Medical School — Carroll Lab**



**Mónica Feliú-Mójer, Ph.D.**

*B.S., University of Puerto Rico*

*Entered 2007 \* Defended January 15, 2013*

*Advisor: Joshua Kaplan*

**Coupling the small GTPase Rab3 to the Synaptic Vesicle Cycle**

---

**Director of Communications and Science Outreach**

**Ciencia Puerto Rico**



**David Ferrero, Ph.D.**

*B.S., M.S., Swiss Federal Institute of Technology*

*Diploma, Imperial College London*

*Entered 2007 \* Defended December 11, 2012*

*Advisor: Steve Liberles*

**Olfactory Control of Instinctive Behavior**

---

**Research and Development**

**Allergan**



**Vijay Ganesh, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 2007 \* Defended June 19, 2012*

*Advisor: Christopher A. Walsh*

**Identification and Characterization of Genes  
Essential for Human Brain Development**

---

**Neurologist**

**Brigham & Women's Hospital**





**Jonathan Garst Orozco, Ph.D.**

*A.B., Washington University*

*Entered 2007 \* Defended May 9, 2014*

*Advisor: Bence Ölveczky*

**Learning-Related Changes in the Functional Connectivity  
Within the Zebra Finch Song-Control Circuit**

---

**Senior Scientist**

**Pfizer Neuroscience Research Unit**



**Juliette Han, Ph.D.**

*B.S., University of California at Los Angeles*

*Entered 2007 \* Defended April 18, 2012*

*Advisor: Mustafa Sahin*

**The Role of TSC in Oligodendrocyte Differentiation and Myelination**

---

**Chief of Staff**

**Citadel LLC**



**Jocelyn LeBlanc, Ph.D.**

*B.A., Colby College*

*Entered 2007 \* Defended February 25, 2013*

*Advisor: Michela Fagiolini*

**Critical period plasticity and sensory function  
in a neuroligin-3 model of autism**

---

**Impact Officer**

**Ass'n of Medical Research Charities (UK)**



**Emily Lehrman, Ph.D.**

*B.A., Stanford University*

*Entered 2007 \* Defended April 30, 2014*

*Advisor: Beth Stevens*

**Innate Immune Molecules Direct  
Microglia-Mediated Developmental Synaptic Refinement**

---

**Technology Specialist**

**Clark & Elbing**





**Shan Lou, Ph.D.**

*B.S., Fudan University*

*Entered 2007 \* Defended April 1, 2013*

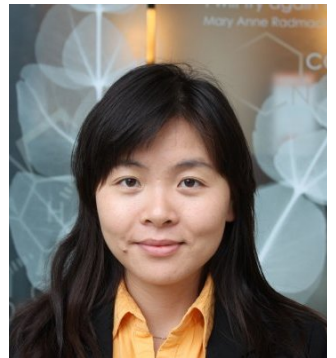
*Advisor: Qiufu Ma*

**Development and Functions of C-Low-Threshold Mechanoreceptors**

---

**Scientist**

**Cygnal Therapeutics**



**Eric Luth, Ph.D.**

*B.A., Colby College*

*Entered 2007 \* Defended April 1, 2014*

*Advisor: Dennis Selkoe*

**Physiological and Pathological Characterization  
of Alpha-Synuclein Oligomers**

---

Assistant Professor of Biology  
Simmons College



**Athar Malik, M.D./Ph.D.**

*B.S., Johns Hopkins University*

*Entered 2007 \* Defended May 9, 2013*

*Advisor: Michael Greenberg*

**Genome-wide identification and characterization of  
stimulus-responsive enhancers in the nervous system**

---

Resident in Neurosurgery  
Massachusetts General Hospital



**Lia Yoon-Hong Min, Ph.D.**

*B.S., B.F.A., University of Michigan at Ann Arbor*

*Entered 2007 \* Defended July 26, 2012*

*Advisor: Michela Fagiolini*

**Experience-Dependent Loss of Cross-Modal Plasticity  
in Mouse Visual Cortex**

---

**Freelance Artist**





**Kathleen Quast, Ph.D.**

*B.F.A., University of Wisconsin at Madison  
Entered 2007 \* Defended September 17, 2012  
Advisor: Takao Hensch*

**Functional Development and Plasticity of Parvalbumin Cells  
in Visual Cortex: Role of Thalamocortical Input**

---

**Preceptor and Instructor  
Harvard University**



**Heather Rice, Ph.D.**

*B.A., University of Oklahoma at Norman  
Entered 2007 \* Defended May 3, 2013  
Advisor: Dennis Selkoe*

**Regulation of the proteolytic processing and function  
of Amyloid Precursor Protein by candidate ligands**

---

**Postdoctoral Fellow  
KU Leuven—De Strooper Lab**



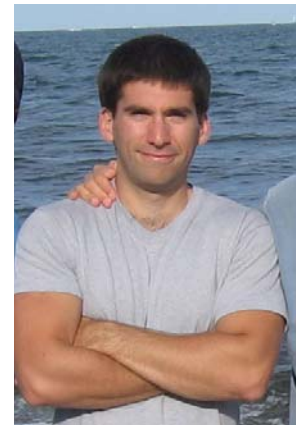
**Douglas Ruff, Ph.D.**

*B.S., College of William and Mary  
Entered 2007 \* Defended January 12, 2012  
Advisor: Richard T. Born*

**Neuronal Tuning and Its Role in Attention**

---

**Research Assistant Professor  
University of Pittsburgh—Cohen Lab**



**John Salogiannis, Ph.D.**

*B.A., B.S., University of Maryland at College Park  
Entered 2007 \* Defended June 27, 2013  
Advisor: Michael Greenberg*

**Regulation of excitatory synapse development by the RhoGEF Ephexin 5**

---

**Postdoctoral Fellow  
University of California, San Diego —Reck-Peterson Lab**





**Daniel E. Smith, A.M.**

*B.S., Carnegie Mellon University*

*Entered 2007 \* Left July 1, 2010*

*Advisor: Clay Reid*

---

**Withdrew with Master's degree**

**Whereabouts Unknown**



**Alice Yiquing Wang, Ph.D.**

*B.A., Columbia University*

*Entered 2007 \* Defended July 26, 2012*

*Advisor: Naoshige Uchida*

**Neural substrates of choosing actions and motivational drive,  
a role for the striatum**

---

**Data Scientist**

**Spotify**



**Sara J. Fenstermacher, Ph.D.**

*B.A., Bucknell University*

*Entered 2009 \* Defended February 27, 2015*

*Advisor: Rosalind Segal*

**From nucleus to axon: Spatial regulation of *bclw* mRNA  
promotes neurotrophin-dependent axon survival**

---

**Postdoctoral Fellow**

**Columbia University — Jessell Lab**



**Mehmet Fisek, Ph.D.**

*A.B., Brandeis University*

*Entered 2008 \* Defended April 17, 2014*

*Advisor: Rachel Wilson*

**Connectivity and Computations  
in Higher-Order Olfactory Neurons in *Drosophila***

---

**Research Associate**

**University College London—Hausser Lab**





### **Alexandra Krol, Ph.D.**

*B.A., M.Sci, Cambridge University  
Entered 2008 \* Defended March 20, 2015*

*Advisor: Lisa Goodrich*

**Regulation of neuronal dendrite development and migration  
by the atypical cadherin Fat3**

---

**Postdoctoral Fellow**

**Massachusetts Institute of Technology—Feng Lab**



### **Allison Nishitani, Ph.D.**

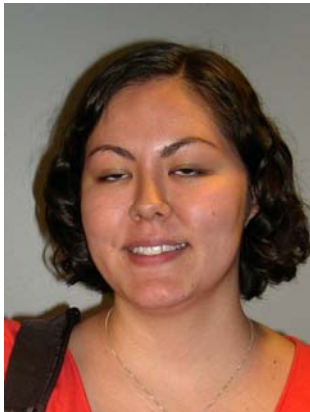
*B.A., University of Southern California  
Entered 2008 \* Defended July 25, 2014*

*Advisor: Lisa Goodrich*

**The role of Netrin-1 in semicircular canal morphogenesis**

---

**Biology Teacher  
Seattle Academy**



### **Ian Oldenburg, Ph.D.**

*B.S., Carnegie Mellon University  
Entered 2008 \* Defended July 11, 2014*

*Advisor: Bernardo Sabatini*

**Basal Ganglia Modulation of Cortical Firing Rates  
in a Behaving Animal**

---

**Postdoctoral Fellow**

**University of California, Berkeley — Adesnik Lab**



### **Rajesh Poddar Ph.D.**

*A.B., Princeton University  
Entered 2008 \* Defended April 9, 2015*

*Advisor: Bence Ölveczky*

**A high-throughput system for automated training  
combined with continuous long-term neural recordings in rodents**

---

**Quantitative Analyst  
Jump Trading, L.L.C.**





**Allison Provost, Ph.D.**

*B.A., University of California, Berkeley  
Entered 2008 \* Defended March 10, 2015  
Advisor: Venkatesh Murthy*

**Serotonergic Modulation of the Olfactory Bulb**

---

**Senior Scientific Program Manager  
Cohen Veterans Bioscience, Inc.**



**Ting Ren, A.M.**

*B.S., Beijing Normal University  
Entered 2008 \* Left September 1, 2010  
Advisor: Catherine Dulac*

---

**Withdrew with Master's degree  
Vice President  
Lepur (China)**



**Cameron Sadegh, M.D./Ph.D.**

*S.B., Massachusetts Institute of Technology  
Entered 2008 \* Defended June 14, 2013  
Advisor: Jeffrey Macklis*

**Directed differentiation of mouse embryonic stem cells  
into neocortical output neurons**

---

**Resident in Neurosurgery  
Massachusetts General Hospital**



**Arpiar Saunders, Ph.D.**

*B.A., Swarthmore College  
Entered 2008 \* Defended July 28, 2014  
Advisor: Bernardo Sabatini*

**A direct GABAergic output from the basal ganglia to frontal cortex**

---

**Postdoctoral Fellow  
Harvard Medical School — McCarroll Lab**





**David Stochlic, Ph.D.**

*B.A., Tufts University*

*Entered 2008 \* Defended May 5, 2015*

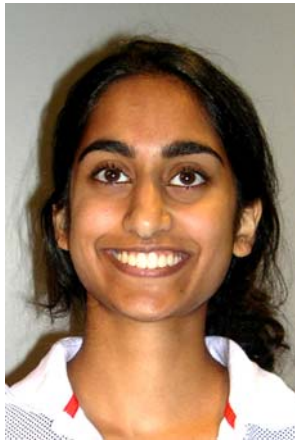
*Advisor: Steve Liberles*

**Molecular and Genetic Analysis of the Vagus Nerve**

---

**Staff Scientist**

**Biogen Idec**



**Monica Thanawala, Ph.D.**

*A.B., Harvard University*

*Entered 2008 \* Defended May 1, 2014*

*Advisor: Wade Regehr*

**Control of Neurotransmitter Release Properties  
by Presynaptic Calcium**

---

**Postdoctoral Fellow**

**Harvard University—Zhuang Lab**



**Mary Wertz, Ph.D.**

*B.A., Boston College*

*Entered 2008 \* Defended April 13, 2015*

*Advisor: Mustafa Sahin*

**Aberrant microRNA Expression in SMA Motor Neurons**

---

**Postdoctoral Fellow**

**Massachusetts Institute of Technology—Heiman Lab**



**Jessica Yano, A.M.**

*B.S., California Institute of Technology*

*Entered 2008 \* Withdrew June 18, 2012*

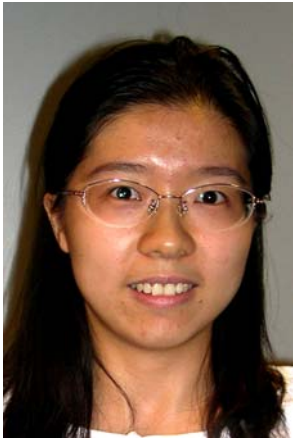
---

**Withdrew with a Master's degree**

**Entered Ph.D. program at**

**University of California, Los Angeles**





**Wenjia Grace You, Ph.D.**

*B.A., Tsinghua University*

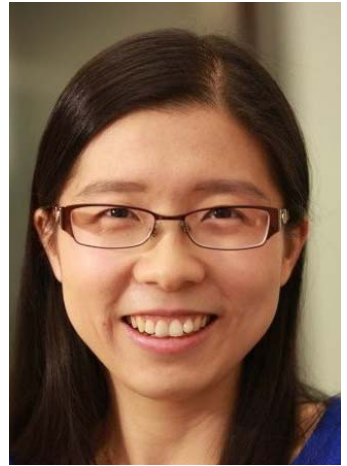
*Entered 2008 \* Defended May 7, 2015*

*Advisor: Connie Cepko*

**Lineage and Functional Analyses of Specific Subsets  
of Retinal Progenitor Cells**

---

**Senior Manager, Strategy & Analytics  
MilliporeSigma**



**Allison Baker Chang, Ph.D.**

*B.A., Dartmouth University*

*Entered 2009 \* Defended April 28, 2015*

*Advisor: Rachel Wilson*

**Encoding and decoding mechanosensory information  
on multiple timescales**

---

**Enrolled in Harvard Medical School August 2015**



**Joseph Bell, M.D./Ph.D.**

*A.B., Harvard University*

*Entered 2009 \* Defended April 17, 2015*

*Advisor: Rachel Wilson*

**Non-linear stimulus integration in olfactory behavior**

---

**Resident in Neurosurgery  
University of California, Los Angeles**



**Luke Bogart, Ph.D.**

*B.A., Rochester University*

*Entered 2009 \* Defended August 14, 2015*

*Advisor: Takao Hensch*

**Synaptic specificity and plasticity in parvalbumin-basket cell circuits**

---

**Senior Application Scientist  
LifeCanvas Technologies**





### **Anna Chambers, Ph.D.**

*B.A., Johns Hopkins University  
Entered 2009 \* Defended December 9, 2014  
Advisor: Daniel Polley*

**Progressive recovery of cortical and midbrain sound feature encoding following profound cochlear neuropathy**

---

**Postdoctoral Fellow  
University of Oslo—Vervaeke Lab**



### **Timothy Dunn, Ph.D.**

*B.A., University of California, Berkeley  
Entered 2009 \* Defended April 20, 2015  
Advisor: Florian Engert*

**Brain-wide neural dynamics underlying looming-evoked escapes and spontaneous exploration**

---

**Duke Forge Scholar  
Duke University**



### **Jessica Hauser, Ph.D.**

*B.A., Oberlin College  
Entered 2009 \* Defended July 17, 2014  
Advisor: Chinfei Chen*

**Mechanisms Shaping Excitatory Transmission at the Developing Retinogeniculate Synapse**

---

**Pediatric Neurologist  
Seattle, Washington**



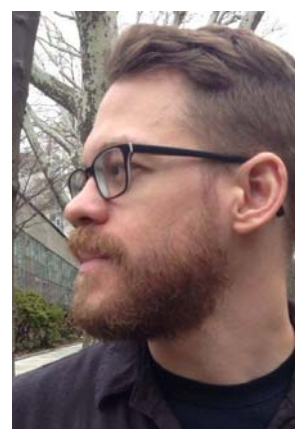
### **David Hildebrand, Ph.D.**

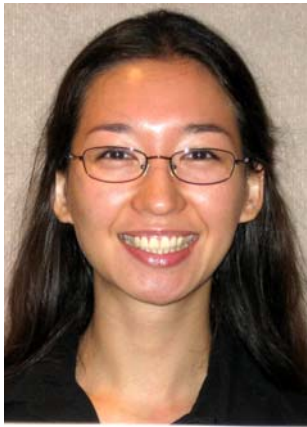
*B.A., Northeastern University  
Entered 2009 \* Defended March 23, 2015  
Advisor: Florian Engert*

**Whole-brain functional and structural examination in larval zzebrafish**

---

**Postdoctoral Fellow  
The Rockefeller University—Freiwald Lab**





**Tilly Kimm, Ph.D.**

*B.A., Massachusetts Institute of Technology*

*Entered 2009 \* Defended December 3, 2014*

*Advisor: Bruce Bean*

**Potassium and Sodium Currents Regulating  
Pacemaking and Burst Firing in Substantia Nigra Dopamine Neurons**

---

**Professional Tango Dancer**



**Dimitar Kostadinov, Ph.D.**

*B.A., McGill University*

*Entered 2009 \* Defended May 13, 2015*

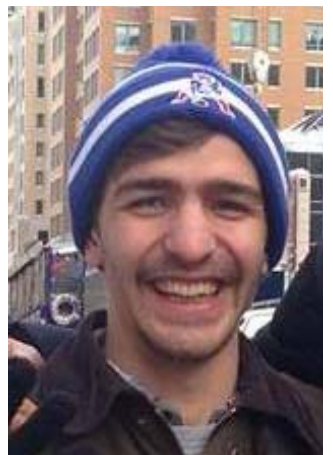
*Advisor: Joshua Sanes*

**Mechanism and function of dendritic self-avoidance  
and self/non-self discrimination in the mammalian nervous system**

---

**Postdoctoral Fellow**

**University College London—Hausser Lab**



**Andrew Lutas, Ph.D.**

*B.A., Pennsylvania State University*

*Entered 2009 \* Defended April 7, 2015*

*Advisor: Gary Yellen*

**Cellular Metabolism Modulates Ion Channels  
that Regulate Neuronal Excitability**

---

**Postdoctoral Fellow**

**Harvard Medical School—Andermann Lab**



**Caleigh Mandel-Brehm, Ph.D.**

*B.A., University of Wisconsin—Madison*

*Entered 2009 \* Defended October 28, 2015*

*Advisor: Michael E. Greenberg*

**A Behavioral and Molecular Approach  
for Understanding Angelman Syndrome**

---

**Postdoctoral Fellow**

**University of California, San Francisco—DerRsi Lab**





**Alicia Nugent, Ph.D.**

*B.A., University of California, Berkeley  
Entered 2009 \* Defended March 9, 2016  
Advisor: Elizabeth Engle*

**Hyperactive *apha2*-chimaerin reveals the complexity  
of axon guidance signaling pathways in motor neuron development**

---

**Scientist  
Denali Therapeutics**



**Stanislav Pashkovski**

*B.S., Brandeis University  
Entered 2009 \* Defended August 30, 2017  
Advisor: Sandeep Robert Datta*

**A Chemical Odor Map in Cortex**

---

**Postdoctoral Fellow  
Harvard Medical School - The Datta Lab**



**Rebecca Reh, Ph.D.**

*B.A., University of Washington  
Entered 2009 \* Defended July 16, 2015  
Advisor: Takao Hensch*

**A rapid peak in gamma power signals critical period plasticity  
in the developing mouse visual cortex**

---

**Postdoctoral Fellow  
University of British Columbia—Werker Lab**



**Jason Yamada-Hanff, Ph.D.**

*B.A., Swarthmore College  
Entered 2009 \* Defended December 16, 2014  
Advisor: Bruce Bean*

**Regulation of hippocampal pyramidal neuron excitability  
By subthreshold voltage-dependent conductances**

---

**Senior Scientist  
ChromoLogic LLC**





## Daniel Bear

*B.A., Harvard College*

*Entered 2010 \* defended November 4, 2016*

*Advisor: Sandeep Robert Datta*

**A Variant Mode of Mammalian Olfaction**

---

**Postdoctoral Fellow**

**Stanford University - Yamins Lab**



## Rachel Donahue, Ph.D.

*B.A., Bowdoin College*

*Entered 2010 \* defended January 29, 2016*

*Advisor: William Carlezon*

**The role of pituitary adenylate cyclase-activating polypeptide (PACAP)  
in the neurobiology of stress-related behaviors**

---

**Director of Strategic Scientific Development  
Massachusetts Institute of Technology (BCS)**



## Alan Emanuel, Ph.D.

*B.S., Washington State University*

*Entered 2010 \* Defended April 18, 2016*

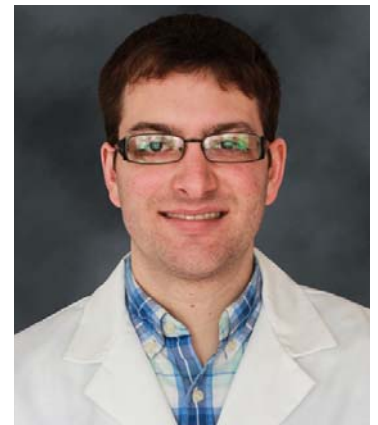
*Advisor: Michael Do*

**Signal Integration and Diversification  
by Melanopsin-Expressing Retinal Ganglion Cells**

---

**Postdoctoral Fellow**

**Harvard Medical School — Ginty and Harvey Labs**



## Catherine Hartman, A.M.

*B.A., Duke University*

*Entered 2010*

*Advisor: Michael Wolfe*

---

**Withdrew with Master's degree  
Project Leader, The Boston Consulting Group**





**Xun (Helen) Hou, Ph.D.**

*B.S., Massachusetts Institute of Technology*

*Entered 2010 \* Defended October 11, 2016*

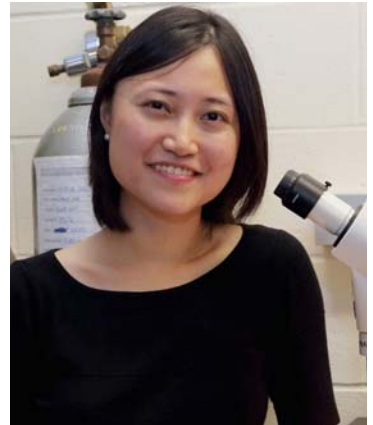
*Advisor: Bernardo Sabatini*

**Central Control Circuit for Context-dependent Micturition**

---

**Postdoctoral Fellow**

**Columbia University - Sawtell Lab**



**Wen Fan Hu, M.D./Ph.D.**

*B.A., Yale University*

*Entered 2010 \* Defended June 10, 2014*

*Advisor: Christopher A. Walsh*

**Building a Bigger Brain: Centriole Control  
of Cerebral Cortical Development**

---

**Resident in Ophthalmology**

**Brigham and Women's Hospital**



**Divya Jayaraman, M.D./Ph.D.**

*B.A., Harvard College*

*Entered 2010 \* Defended June 15, 2015*

*Advisor: Christopher A. Walsh*

**The role of centriole biogenesis in control of brain size**

---

**Clinical Fellow in Pediatrics**

**Boston Children's Hospital**



**Wendy Liu, M.D./Ph.D.**

*B.A., Princeton University*

*Entered 2010 \* Defended April 14, 2014*

*Advisor: Rachel Wilson*

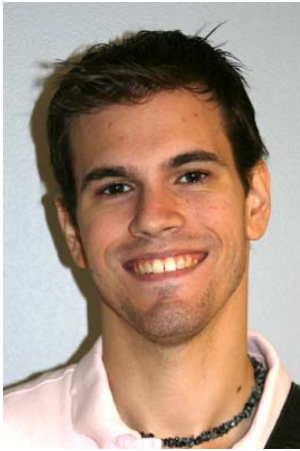
**When Hot Is Not the Opposite of Cold:  
Thermosensory Processing in the *Drosophila* Brain**

---

**Resident in Ophthalmology**

**Massachusetts Eye & Ear Institute**





**Ian McLachlan, Ph.D.**

*B.S., University of Michigan (Ann Arbor)*

*Entered 2010 \* Defended April 20, 2016*

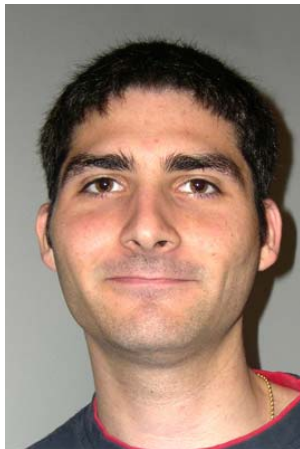
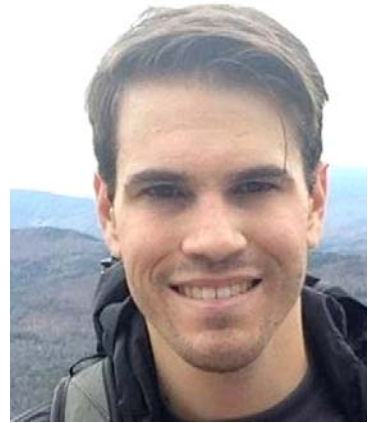
*Advisor: Maxwell Heiman*

**Genetic control of dendrite morphogenesis in *C. elegans***

---

**Postdoctoral Fellow**

**Massachusetts Institute of Technology—Flavell Lab**



**Daniel Millman, Ph.D.**

*B.A., M.S., Johns Hopkins University*

*Entered 2010 \* Defended April 25, 2016*

*Advisor: Venkatesh Murthy*

**Emergence of reward coding in the olfactory system**

---

**Scientist I, Neural Coding Group**

**The Allen Institute**



**Alexander Murphy, Ph.D.**

*B.A., Massachusetts Institute of Technology*

*Entered 2010 \* Defended April 30, 2015*

*Advisor: Jeffrey Macklis*

**RNA and protein networks  
that locally control brain wiring during development**

---

**Engagement Manager**

**McKinsey & Company**



**Sarah Pease Raissi, Ph.D.**

*B.S., Brandeis University*

*Entered 2010 \* Defended August 29, 2016*

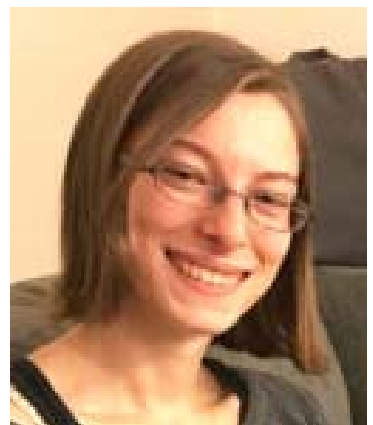
*Advisor: Rosalind Segal*

**Bclw plays a specialized role in preventing  
chemotherapy-induced axon degeneration**

---

**Postdoctoral Fellow**

**University of California, San Francisco—Chan Lab**





**David Roberson, Ph.D.**

*B.A., M.B.A., Harding University*

*Entered 2010 \* Defended September 18, 2015*

*Advisor: Clifford Woolf*

**Analysis of voluntary behavior to interrogate neural function**

---

**Co-Founder and Chief Operations Officer  
Blue Therapeutics**



**Michael Susman, M.D./Ph.D.**

*B.A., Stanford University*

*Entered 2010 \* Defended June 24, 2015*

*Advisor: Michael E. Greenberg*

**The Wnt5a-Ror Signaling Pathway  
in the Morphogenesis of the Embryo**

---

**Resident in Pathology  
Vanderbilt University Medical Center**



**Taralyn Tan, Ph.D.**

*B.S., Oregon State University*

*Entered 2010 \* Defended August 29, 2016*

*Advisor: Sandeep Robert Datta*

**Blueprints for Smell:  
Defining the Architecture of the Necklace Olfactory System**

---

**Curriculum Fellow  
Harvard Medical School – Department of Neurobiology**



**Ju Tian, Ph.D.**

*B.E., Tsinghua University*

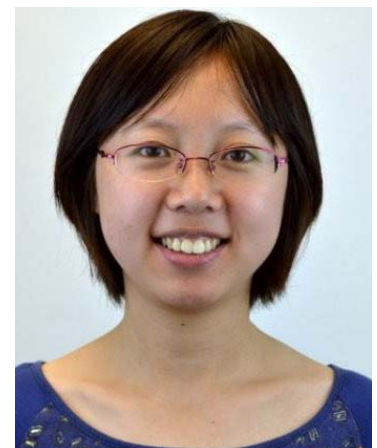
*Entered 2010 \* Defended April 18, 2016*

*Advisor: Naoshige Uchida*

**Neural circuit mechanisms  
underlying dopamine reward prediction errors**

---

**Data scientist  
Facebook**





**Willie Tobin, Ph.D.**

*B.S., University of California, Santa Cruz*

*Entered 2010 \* Defended July 21, 2016*

*Advisor: Rachel Wilson*

**Wiring Variations that Enable and Constrain  
Neural Computation in a Sensory Microcircuit**

---

**Postdoctoral Fellow**

**University of Vermont School of Medicine — Dunlop Lab**



**Alexander Trott, Ph.D.**

*B.S., Brandeis University*

*Entered 2010 \* Defended April 29, 2016*

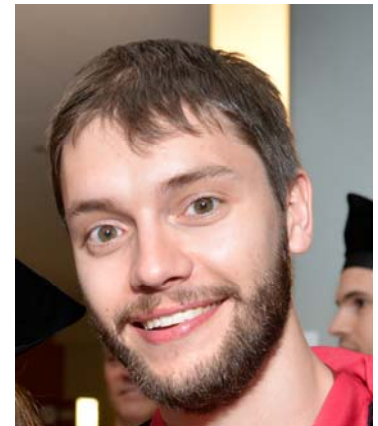
*Advisor: Rick Born*

**Contextual modulation of early visual processing  
And the role of cortico-cortical feedback**

---

**Deep Learning Researcher**

**Salesforce**



**Caroline Wee, Ph.D.**

*B.A., Cornell University*

*Entered 2010 \* Defended April 15, 2016*

*Advisor: Florian Engert*

**Neuromodulatory Control of Motivated Behaviors  
in the Larval Zebrafish**

---

**Postdoctoral Fellow**

**A\*STAR Singapore**



**Alexander Wiltschko, Ph.D.**

*B.E., Tsinghua University*

*Entered 2010 \* Defended April 28, 2016*

*Advisor: Sandeep Robert Datta*

**The structure of mouse behavior**

---

**Senior Research Scientist**

**Google Brain**





November 2015

PiN alums Juliette Han (2007-2012), Adriana Eisner (2006—2013), and Alex Murphy (2010—2015) find themselves working on the same team at McKinsey & Company



**Masha Bloom**

*B.A., Barnard College*

*Entered 2011*

*Advisor: Sandeep Robert Datta*

---

**Enrolled in PiN**



**Lauren Carvalho**

*A.B., Harvard College*

*Entered 2011 \* Withdrew July 26, 2013*

*Advisor: Venkatesh Murthy*

---

**Withdrew without degree  
Veterinarian**



**Ryan Dosumu-Johnson, M.D./Ph.D.**

*B.S., University of California, Los Angeles*

*Entered 2011 \* Defended June 14, 2016*

*Advisor: Susan Dymecki*

**An anatomical and functional dissection  
of the role Pet1 raphe neurons play  
in neonatal cardiorespiratory homeostasis**

---

**Resident in Psychiatry  
Columbia University Medical Center**



**Laura Driscoll, Ph.D.**

*B.S., University of California, Berkeley*

*Entered 2011 \* Defended June 17, 2017*

*Advisor: Christopher Harvey*

**Dynamic reorganization of neuronal activity patterns in parietal cortex**

---

**Postdoctoral Fellow  
Stanford University - The Shenoy/Sussillo Labs**





### **Neir Eshel, M.D./Ph.D.**

*B.A., Princeton University*

*M.S.C., University College, London*

*Entered 2011 \* Defended May 9, 2014*

*Advisor: Naoshige Uchida*

**Arithmetic and Local Circuitry Underlying Dopamine Prediction Errors**

---

**Resident Psychiatrist  
Stanford University Hospital**



### **Nick Jikomes, Ph.D.**

*B.S., University of Wisconsin, Madison*

*Entered 2011 \* Defended June 22, 2016*

*Advisor: Mark Andermann*

**Pre-emptive stimulation of AgRP neurons in fed mice enables conditioned food seeking under threat**

---

**Senior Science Advisor—Leafley, Inc.  
Member, Scientific Advisory Committee  
National Cannabis Industry Association**



### **Mounir Koussa, Ph.D.**

*B.A., University of Arizona*

*Entered 2011 \* Defended April 15, 2015*

*Advisor: David Corey*

**The Biophysics of Vertebrate Hearing: A Single-Molecule Approach**

---

**Founder and CEO  
Confer Health**



### **GaYoung Lee, Ph.D.**

*B.S., Korea Advanced Institute of Science and Technology*

*Entered 2011 \* Defended April 28, 2016*

*Advisor: Tom Schwarz*

**Organization of postsynaptic assembly by filamin at the Drosophila neuromuscular junction**

---

**Postdoctoral Fellow  
Harvard Medical School—The Liberles Lab**





**Elizabeth Litvina, Ph.D.**

*B.A., M.A., Wesleyan University  
Entered 2011 \* Defended June 6, 2017  
Advisor: Chinfei Chen*

**Functional Convergence at the Mouse Retinogeniculate Synapse**

---

**AAAS Science and Technology Fellow  
NIH/NINDS**



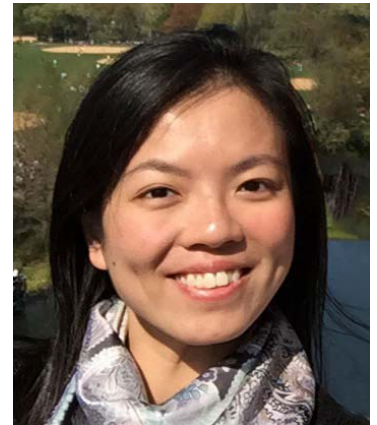
**Jinyue Liu, Ph.D.**

*B.A., Cambridge University  
Entered 2011 \* Defended April 26, 2017  
Advisor: Joshua Sanes*

**Molecular Determinants of Dendritic Patterning  
in the Mammalian Retina**

---

**Postdoctoral Fellow  
The Genome Institute (Singapore) - Prabhakar Lab**



**Zhihao (Thomas) Luo, Ph.D.**

*A.B., Harvard College  
Entered 2011 \* Defended September 20, 2016  
Advisor: John Maunsell*

**Dissociating components of visuo-spatial attention**

---

**Postdoctoral Fellow  
Princeton University—Brody Lab**



**Elliott Milner, Ph.D.**

*B.A., Oberlin College  
Entered 2011 \* Defended December 1, 2017  
Advisor: Michael Do*

**Mechanisms of Intensity Encoding  
for Non-Image-Forming Visual Functions**

---

**In transition**





**Ari Morcos, Ph.D.**

*B.S., University of California, San Diego*

*Entered 2011 \* Defended April 22, 2016*

*Advisor: Christopher Harvey*

**History-dependent variability in population dynamics during evidence accumulation in cortex**

---

**Research Scientist  
Google DeepMind**



**Nicole Neubarth, Ph.D.**

*B.A., University of Chicago*

*Entered 2011 \* Defended August 28, 2017*

*Advisor: David Ginty*

**Molecularly Distinct, Meissner-corporcle-associated Mechanoreceptors: A Potential Strategy for Efficient Enhancement of Spatial Acuity**

---

**Science Computing Associate  
Janelia Research Campus**



**Shay Neufeld, Ph.D.**

*B.S., McGill University*

*Entered 2011 \* Defended May 23, 2017*

*Advisor: Bernardo Sabatini*

**Function and modulation of striatal patch compartments**

---

**Senior Data Scientist  
LiveStories**



**Tim Otchy, Ph.D.**

*B.A., Georgia State University*

*M.A., Tufts University*

*B.S., Georgia Institute of Technology*

*Entered 2011 \* Defended May 2, 2016*

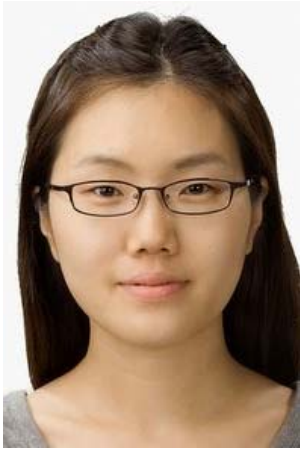
*Advisor: Bence Ölveczky*

**Neural Circuit Mechanisms Underlying Skill Learning, Adaptation, and Maintenance**

---

**Research Assistant Professor of Biology  
Boston University**





### **Hye-Yeon Park, A.M.**

*B.S., M.S., Korea Advanced Institute of Science and Technology*

*Entered 2011 \* Withdrew with Master's degree 11/14/2014*

*Advisor: Maria Lehtinen*

---

**Scientist**

**Novartis, Inc.**



### **Alex Simon, Ph.D.**

*B.A., Lewis and Clark College*

*Entered 2011 \* Defended August 9, 2016*

*Advisor: Michela Fagiolini*

**Re-expression of MeCP2 in early adulthood  
recovers cortical function in Rett syndrome**

---

**Large Account and Corporate Development Manager  
Genomic Vision**



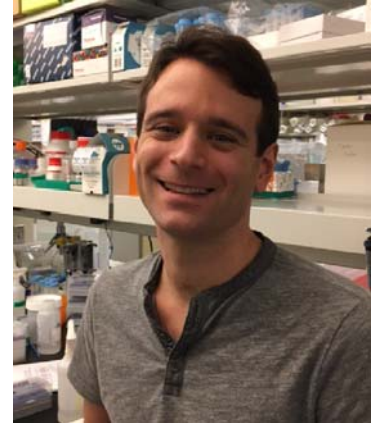
### **Gregory Sousa**

*B.S., Bates College*

*Entered 2011 \* Withdrew September 1, 2011*

---

**Withdrew without degree  
Veterinarian**



### **Priya Srikanth, M.D./Ph.D.**

*B.A., Washington University*

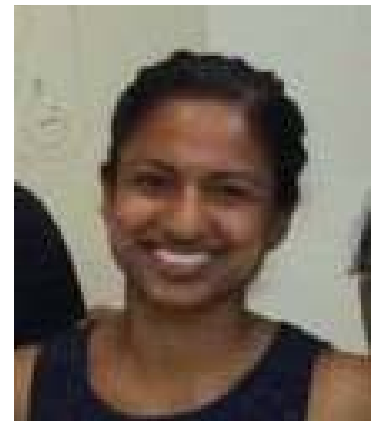
*Entered 2011 \* Defended May 11, 2015*

*Advisor: Dennis Selkoe*

**Schizophrenia-relevant DISC1 interruption reveals subtle alterations  
in Wnt signaling and cell fate in human iPSC-derived neurons**

---

**Resident in Neurology  
Massachusetts General Hospital**





**Erika Williams, M.D./Ph.D.**

*B.A., Williams College*

*Entered 2011 \* Defended April 28, 2016*

*Advisor: Steve Liberles*

**Coding of internal senses: Vagal gut-to-brain circuits**

---

**Resident in Neurology**

**Brigham & Women's Hospital, Boston**



**Zhaoying Xu, Ph.D.**

*B.A., Grinnell College*

*Entered 2011 \* Defended August 30, 2016*

*Advisor: Jeffrey Macklis*

**Subtype-Specific Corticostriatal Projection Neuron Developmental Gene Expression and Corticospinal Expression of the Paroxysmal Nonkinesigenic Dyskinesia Gene**

---

**Senior Analyst**

**Health Advances, Inc.**



**Zhanlei Ye, Ph.D.**

*B.Sc., Beijing University*

*Entered 2011 \* Defended December 2, 2016*

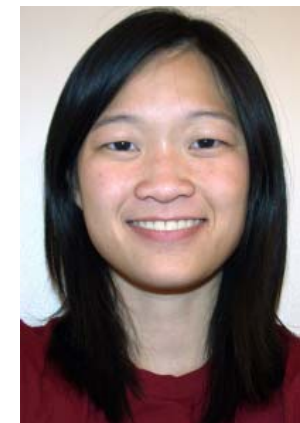
*Advisor: Takao Hensch*

**Extrinsic and Intrinsic Factors Impacting Local Circuit Inhibition in the Neocortex**

---

**Quantitative Analyst**

**Google, Inc.**



**Zhiqi (Candice) Yip, Ph.D.**

*B.S., University of Southern California*

*Entered 2011 \* Defended December 6, 2017*

*Advisor: Maxwell Heiman*

**Dendrite patterning as a model for self-organizing systems**

---

**Quantitative Researcher**

**Thasos Group**





**Benjamin Andreone, Ph.D.**

*B.S., University of Maryland—College Park  
Entered 2012 \* Defended November 28, 2017  
Advisor: Chenghua Gu*

**Regulation of transcytosis underlies blood-brain barrier permeability**

---

**Postdoctoral Fellow  
Denali Therapeutics**

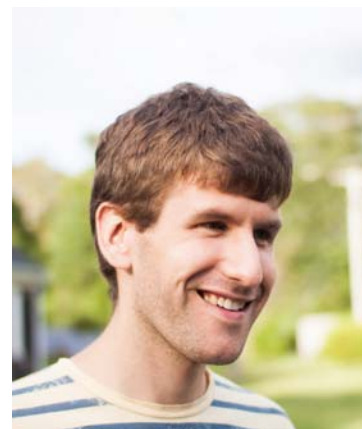


**Gregory Bryman**

*B.S., University of Rochester  
Entered 2012  
Advisor: Michael Do*

---

**Enrolled in PiN**

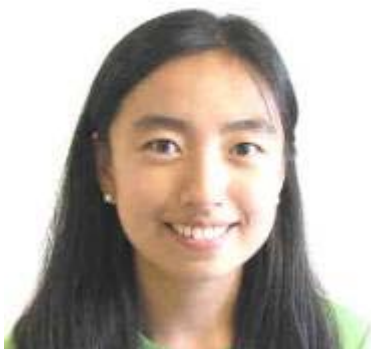


**Selmaan Chettih**

*B.A., Swarthmore College  
Entered 2012  
Advisor: Christopher Harvey*

---

**Enrolled in PiN**



**YunXiang Chu**

*B.A., Stanford University  
Entered 2012 \* Defended April 15, 2014  
Advisor: Wade Regehr*

**The Role of Protein Kinase C in Short-Term Plasticity**

---

**Withdrew without degree  
Software consultant**





**Michael Coulter, M.D./Ph.D.**

*A.B., Harvard College*

*Entered 2012 \* Defended June 16, 2016*

*Advisor: Christopher Walsh*

**Two stories of neurodevelopment:  
Exosome-mediated secretion of sonic hedgehog  
and somatic mutation in disorders of DNA damage repair**

---

**Postdoctoral Fellow**

**UCSF - Center for Integrative Neuroscience**



**Ershela Durrezi, M.D./Ph.D.**

*B.S., M.S., Yale University*

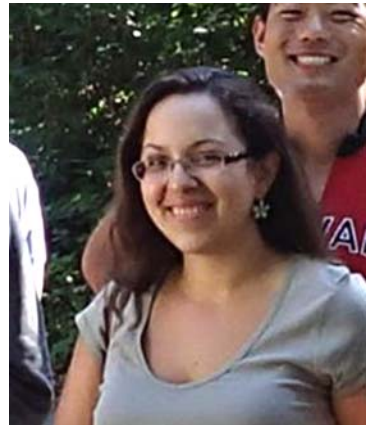
*Entered 2012 \* Defended May 22, 2017*

*Advisor: Michael E. Greenberg*

**Genome-wide identification and analysis  
of human neuronal activity-dependent enhancers  
in evolution and disease**

---

**Returned to Harvard Medical School**



**Richard Held, Ph.D.**

*B.S., Tulane University*

*Entered 2012 \* Defended August 1, 2018*

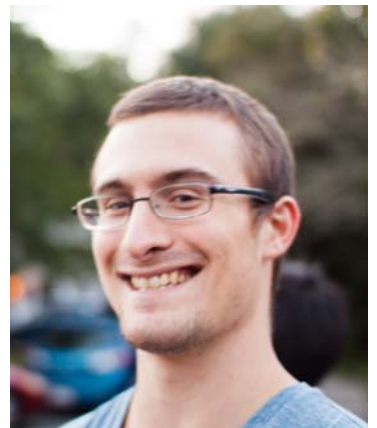
*Advisor: Pascal Kaeser*

**Scaffolding mechanisms supporting fast neurotransmitter release  
at the presynaptic active zone**

---

**Postdoctoral Fellow**

**Stanford University (Brunger Lab)**



**Benyam Kinde, M.D./Ph.D.**

*B.S., University of Maryland—Baltimore County*

*Entered 2012 \* Defended March 2, 2016*

*Advisor: Michael E. Greenberg*

**Biochemical and genomic analysis of MeCP2 and  
brain-enriched DNA methylation**

---

**Resident in Ophthalmology**

**University of California, San Francisco**





**Gil Mandelbaum**

*B.S., Tel Aviv University*

*Entered 2012*

*Advisor: Bernardo Sabatini*

---

**Enrolled in PiN**



**Matthias Minderer, Ph.D.**

*B.S., University of California, San Diego*

*Entered 2012 \* Defended June 7, 2018*

*Advisor: Christopher Harvey*

**The Mesoscale Functional Organization  
of Mouse Cortex During Behavior**

---

**Google AI Resident**

**Google Brain**



**Tara Raam, Ph.D.**

*B.S., University of California, San Diego*

*Entered 2012 \* Defended April 6, 2018*

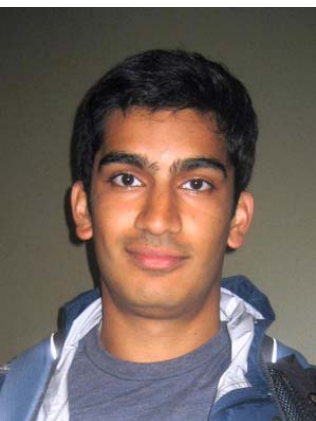
*Advisor: Amar Sahay*

**The contribution of hippocampal oxytocin receptors  
to social memory processing**

---

**Postdoctoral Fellow**

**Johns Hopkins University - Kuchibhotla Lab**



**Rohan Ramesh, Ph.D.**

*B.S., Brown University*

*Entered 2012 \* Defended July*

*Advisor: Mark Andermann*

**Value representations in visual association cortex**

---

**Postdoctoral Fellow**

**Harvard Medical School**





**Hannah Somhegyi, Ph.D.**

*B.A., Lewis and Clark College*

*Entered 2012 \* Defended March 15, 2018*

*Advisor: Wei-Chung Allen Lee*

**Neurotransmitter and neuropeptide co-transmission  
in olfactory neurons may support circuit flexibility**

---

**Freelance Scientific Graphic Designer**



**Christopher Tzeng**

*B.A., Rice University*

*Entered 2012*

*Advisor: Michael E. Greenberg*

---

**Enrolled in PiN**



**Hugo Vega-Ramirez**

*B.S., University of California, Davis*

*Entered 2012*

*Advisor: Amar Sahay*

---

**Enrolled in PiN**



**Christina Welsh**

*B.S., Massachusetts Institute of Technology*

*Entered 2012*

*Advisor: Beth Stevens*

---

**Enrolled in PiN**





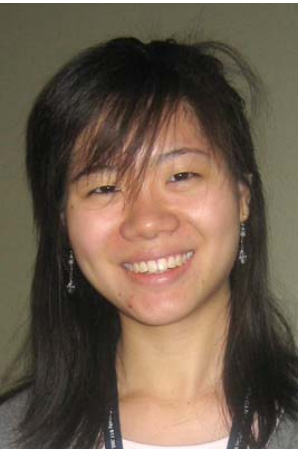
**Yuwen Wu, Ph.D.**

*B.A., University of Chicago  
Entered 2012 \* Defended August 7, 2017  
Advisor: Beth Stevens*

**Modeling activity-dependent synaptic competition  
via a novel co-culture system**

---

**Senior Data Analyst  
Intuit, Inc.**



**Andrea Yung, Ph.D.**

*B.S., Stanford University  
Entered 2012 \* Defended April 18, 2018  
Advisor: Lisa Goodrich*

**Going rogue: Netrin-1 confines migrating neurons to the CNS**

---

**Postdoctoral Fellow  
Stanford University - Krasnow Lab**



**Alex Batchelor**

*B.A., Cambridge University  
Entered 2013  
Advisor: Rachel Wilson*

---

**Enrolled in PiN**

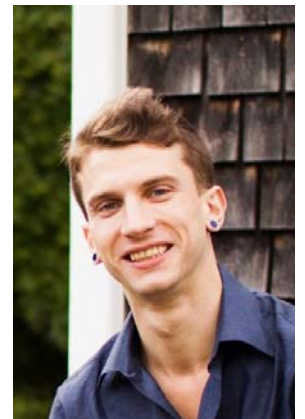


**Michael Bukwich**

*B.S., New York University  
Entered 2013  
Advisor: Naoshige Uchida*

---

**Enrolled in PiN**





**Chester Chia**

*B.A., Rutgers University*

*Entered 2013*

*Advisor: Lisa Goodrich*

---

**Enrolled in PiN**



**Brian Chow**

*B.S., University of California, San Diego*

*Entered 2013*

*Advisor: Chenghua Gu*

---

**Enrolled in PiN**



**Nicholas DeStefino**

*B.S., B.A., University of Pittsburgh*

*Entered 2013*

*Advisor: Jesse Gray*

---

**Enrolled in PiN**



**Michelle Frank**

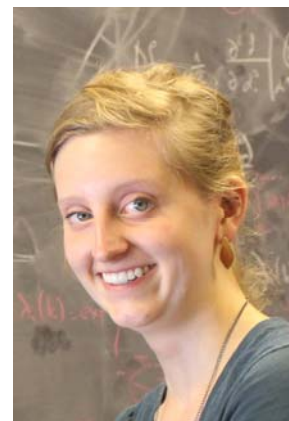
*B.A., Saint Olaf College*

*Entered 2013*

*Advisor: Lisa Goodrich*

---

**Enrolled in PiN**





**Morgan Freret, M.D./Ph.D.**

*B.S., Stanford University*

*Entered 2013 \* Defended June 16, 2016*

*Advisor: Susan Dymecki*

**Molecular and functional characterization of diverse Pet1 lineage-defined neuron subtypes of the brainstem raphe system**

---

**Resident in Radiology**

**Cornell/Memorial Sloan Kettering**



**Grigori Guitchounts**

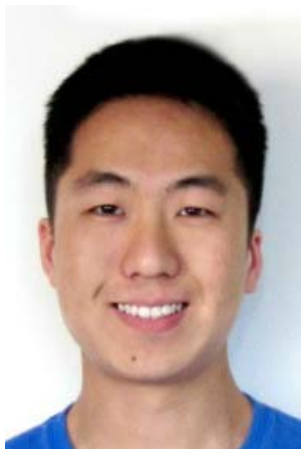
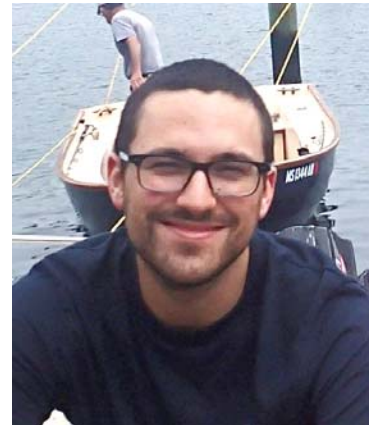
*B.A., Boston University*

*Entered 2013*

*Advisor: David Cox*

---

**Enrolled in PiN**



**Chong Guo**

*B.S., University of Michigan, Ann Arbor*

*B.S., Cornell University*

*Entered 2013*

*Advisor: Wade Regehr*

---

**Enrolled in PiN**



**James Harris**

*B.A., Bowdoin College*

*Entered 2013*

*Advisor: Paola Arlotta*

---

**Enrolled in PiN**





**Stephen Holtz**

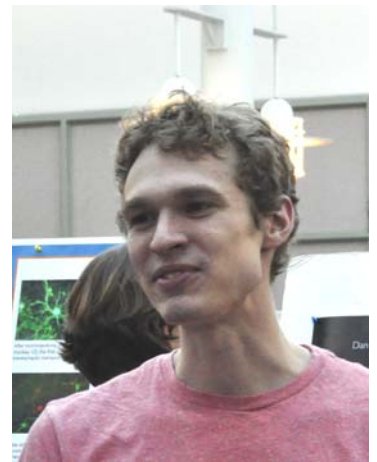
*B.S., University of Virginia*

*Entered 2013*

*Advisor: Rachel Wilson*

---

**Enrolled in PiN**



**Kee Wui Huang**

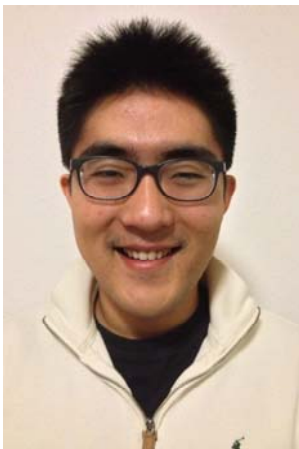
*B.S., M.S., Stanford University*

*Entered 2013*

*Advisor: Bernardo Sabatini*

---

**Enrolled in PiN**



**Minsuk Hyun**

*B.S., Stanford University*

*Entered 2013*

*Advisor: Bernardo Sabatini*

---

**Enrolled in PiN**



**Robert Johnson**

*B.S., Washington University*

*Entered 2013*

*Advisor: Florian Engert*

---

**Enrolled in PiN**





**Jessleen Kanwal**

*B.S., University of Virginia*

*Entered 2013*

*Advisor: Aravinthan Samuel*

---

**Enrolled in PiN**



**Angela Kim**

*B.S., Yonsei University*

*M.S., Korea Institute of Science and Technology*

*Entered 2013*

*Advisor: Bradford Lowell*

---

**Enrolled in PiN**



**Elizabeth Lamkin**

*B.S., Haverford College*

*Entered 2013*

*Advisor: Maxwell Heiman*

---

**Enrolled in PiN**



**Sung Ling (Dean) Lee, A.M.**

*B.S., University of California, Los Angeles*

*Entered 2013*

*Advisor: Paola Arlotta*

---

**Withdrew with Master's degree**

**Research Assistant**

**Harvard University - Dulac Lab**





## **Aleksandr (Sasha) Rayshubskiy**

*B.S., M.Eng., Cornell University*

*Entered 2013*

*Advisor: Rachel Wilson*

---

**Enrolled in PiN**



## **Ivan Santiago**

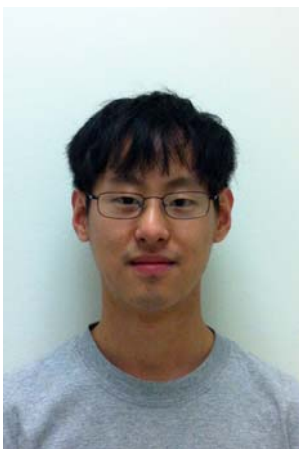
*B.S., M.A., City College of New York*

*Entered 2013*

*Advisor: Matthew Pecot*

---

**Enrolled in PiN**



## **Bryan Song**

*B.S., University of Texas, Austin*

*Entered 2013*

*Advisor: Dragana Rogulja*

---

**Enrolled in PiN**



## **Stephen Thornquist**

*B.S., Washington University*

*Entered 2013*

*Advisor: Michael Crickmore*

---

**Enrolled in PiN**





## **Josef Turecek**

*B.S., University of Washington*

*Entered 2013*

*Advisor: Wade Regehr*

---

**Enrolled in PiN**



## **Huaiying (Shan Shan) Wang**

*B.S., Massachusetts Institute of Technology*

*Entered 2013*

*Advisor: Pascal Kaeser*

---

**Enrolled in PiN**



## **Xingjie (Stephen) Zhang, Ph.D.**

*B.A., Grinnell College*

*Entered 2013 \* Defended August 9, 2018*

*Advisor: Dragana Rogulja*

**Mysteries of Motivation**

---

**Postdoctoral Fellow**

**Harvard Medical School (Andermann Lab)**



## **Asa Barth-Maroon**

*B.S., Lehigh University*

*Entered 2014*

*Advisor: Rachel Wilson*

---

**Enrolled in PiN**





**Matthew Baum, M.D./Ph.D.**

*B.S., M.S., Yale University*

*M.Sc., University of Dublin*

*Entered 2014 \* Defended June 20, 2018*

*Advisor: Beth Stevens*

**The Schizophrenia-Associated Gene, CSMD1,  
Encodes a Brain-Specific Complement Inhibitor**

---

**Returned to Harvard Medical School**



**Cesar Echavarria**

*B.S., Massachusetts Institute of Technology*

*Entered 2014*

*Advisor: David Cox*

---

**Enrolled in PiN**



**Kelly Girskis**

*B.A., University of Southern California*

*Entered 2014*

*Advisor: Christopher Walsh*

---

**Enrolled in PiN**



**Vivian Hemmeler, A.M.**

*B.Sc., Universiteit van Amsterdam*

*Entered 2014*

*Advisor: Naoshige Uchida*

---

**Withdrew with Master's degree  
Consultant  
Andersson Elffers Felix**





**Aziz Karakhanyan, A.M.**

*B.A., Rutgers University  
Entered 2014 \* Withdrew May 31, 2016  
Advisor: Matthew Pecot*

---

**Withdrew with Master's degree  
Associate Quality Assurance Engineer  
meQuilibrium**



**Kristine Lyon**

*B.A., Lewis and Clark College  
Entered 2014  
Advisor: Susan Dymecki*

---

**Enrolled in PiN**

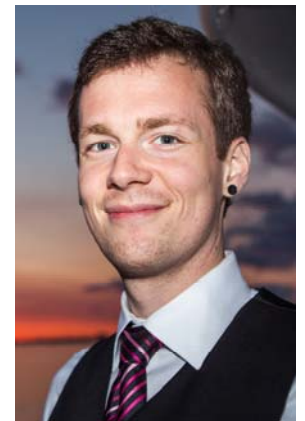


**Michael Marquis**

*B.S., Arizona State University  
Entered 2014  
Advisor: Rachel Wilson*

---

**Enrolled in PiN**

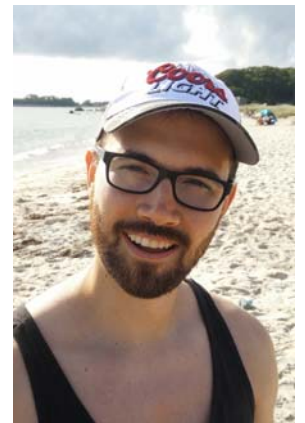


**Eric Mulhall**

*B.S., University of California, Santa Cruz  
Entered 2014  
Advisor: David Corey*

---

**Enrolled in PiN**





**Sivapratha Nagappan Chettiar**

*B.A., University of California, Berkeley*

*Entered 2014*

*Advisor: Hisashi Umemori*

---

**Enrolled in PiN**



**Aurel Nagy, Ph.D.**

*B.S., Brown University*

*Entered 2014 \* Defended July 30, 2018*

*Advisor: Michael E. Greenberg*

**New insights into activity-dependent transcription in the brain**

---

**Postdoctoral Fellow**

**Harvard Medical School (Greenberg Lb)**



**Paola Patella**

*B.S., University of Genoa*

*M.Sc., University of Trento*

*Entered 2014*

*Advisor: Rachel Wilson*

---

**Enrolled in PiN**



**Noah Pettit**

*B.Sc., University College London*

*Entered 2014*

*Advisor: Christopher Harvey*

---

**Enrolled in PiN**





**Rachel Reiff Rodin, M.D/Ph.D.**

*B.S., Emory University*

*Entered 2014 \* Defended March 6, 2017*

*Advisor: Christopher Walsh*

**The Human Brain as a Mosaic:  
Somatic Mutation in Autism Spectrum Disorder, Aging, and  
Neurodegeneration**

---

**Returned to Harvard Medical School**



**Nesibe Temiz, A.M.**

*B.S., M.Sc., University of Bogazici*

*Entered 2014 \* Department 2016*

*Advisor: Clifford Woolf*

---

**Withdrew with Master's degree  
PhD Student  
Friedrich Miescher Institute, Switzerland**



**He Yang**

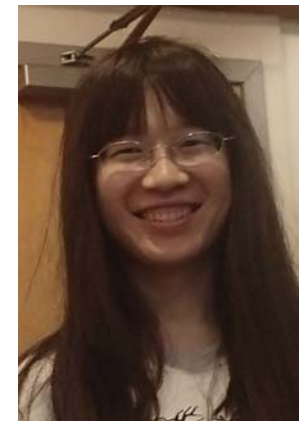
*B.S., Tsinghua University*

*Entered 2014*

*Advisor: Sam Kunes*

---

**Enrolled in PiN**



**Ee-Lynn Yap**

*B.S., Yale University*

*Entered 2014*

*Advisor: Michael E. Greenberg*

---

**Enrolled in PiN**





## Qiyu Zhang

*B.S., Brandeis University*

*Entered 2014*

*Advisor: David Ginty*

---

**Enrolled in PiN**



## James Bohoslav

*A.B., Harvard College*

*Entered 2015*

*Advisor: Christopher Harvey*

---

**Enrolled in PiN**



## Senan Ebrahim

*A.B., Harvard College*

*Entered 2015*

*Advisor: Syd Cash*

---

**Enrolled in PiN**



## Alexander Greben

*B.Sc., McGill University*

*Entered 2015*

*Advisor: Michael E. Greenberg*

---

**Enrolled in PiN**





**Allison Hamilos**

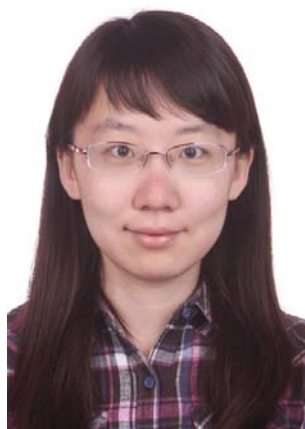
*Sc.B., Massachusetts Institute of Technology*

*Entered 2015*

*Advisor: John Assad*

---

**Enrolled in PiN**



**Xiaomeng (Mona) Han**

*B.S., Tsinghua University*

*Entered 2015*

*Advisor: Kerry Ressler*

---

**Enrolled in PiN**



**Lingfeng Hou**

*B.S., Tsinghua University*

*Entered 2015*

*Advisor: John Assad*

---

**Enrolled in PiN**



**Narendra Joshi**

*B.A., Amherst College*

*Entered 2015*

*Advisor: Stephen Liberles*

---

**Enrolled in PiN**





## **Lauren Kershberg**

*B.A., Pomona College*

*Entered 2015*

*Advisor: Pascal Kaeser*

---

**Enrolled in PiN**



## **Emma Krause**

*B.S., Davidson College*

*Entered 2015*

*Advisor: Jan Drugowitsch*

---

**Enrolled in PiN**



## **Jae Eon Lee**

*B.S., Korea Advanced Institute of Science and Technology*

*Entered 2015*

*Advisor: Bernardo Sabatini*

---

**Enrolled in PiN**



## **Kelly McGuire**

*A.B., Sc.B., Brown University*

*Entered 2015*

*Advisor: Mark Andermann*

---

**Enrolled in PiN**





**Alexandra Moore**

*B.S., University of Oregon*

*Entered 2015*

*Advisor: Rachel Wilson*

---

**Enrolled in PiN**



**Rebecca Senft**

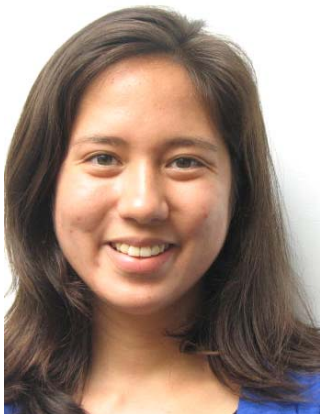
*B.A., Swarthmore College*

*Entered 2015*

*Advisor: Susan Dymecki*

---

**Enrolled in PiN**



**Clara Starkweather, M.D./Ph.D.**

*B.S., Duke University*

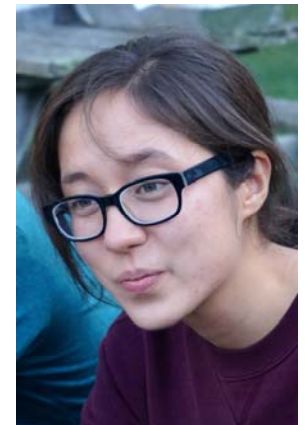
*Entered 2015 \* Defended March 12, 2018*

*Advisor: Naoshige Uchida*

**Hidden State Inference in the Midbrain Dopamine System**

---

**Returned to Harvard Medical School**



**Aniq Tasnim**

*B.A., Johns Hopkins University*

*Entered 2015*

*Advisor: David Ginty*

---

**Enrolled in PiN**





## Nivanthika Wimalasena

*A.B., Harvard College*

*Entered 2015*

*Advisor: Clifford Woolf*

---

**Enrolled in PiN**





**Isle Bastille**

*B.A., Cornell University*

*Entered 2016*

*Advisor: Chenghua Gu*

---

**Enrolled in PiN**



**Celia Beron**

*B.A., University of Texas*

*Entered 2016*

*Advisor: Bernardo Sabatini*

---

**Enrolled in PiN**



**David Brann**

*B.A., Columbia University*

*Entered 2016*

*Advisor: Sandeep Robert Datta*

---

**Enrolled in PiN**



**Salvador Brito**

*B.S., California Lutheran University*

*Entered 2016*

*Advisor: Todd Anthony*

---

**Enrolled in PiN**





**Delara Chizari**

*B.A., University of California, Berkeley*

*Entered 2016*

*Advisor: Evan Macosko*

---

**Enrolled in PiN**



**Daniel Gilliam**

*B.S., University of Alabama—Birmingham*

*Entered 2016*

*Advisor: Michael E. Greenberg*

---

**Enrolled in PiN**



**Winthrop Gillis**

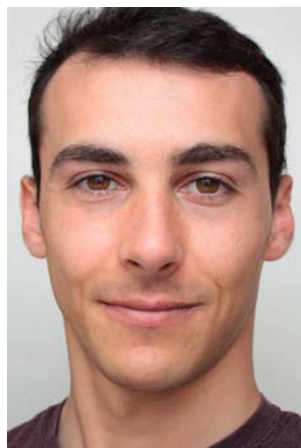
*B.A., Boston University*

*Entered 2016*

*Advisor: Sandeep Robert Datta*

---

**Enrolled in PiN**



**Richard Hakim**

*B.A., University of California, Berkeley*

*Entered 2016*

*Advisor: Bernardo Sabatini*

---

**Enrolled in PiN**





**Seul Ah Kim**

*B.S., Washington University*

*Entered 2016*

*Advisor: Bernardo Sabatini*

---

**Enrolled in PiN**



**Hyo Lee**

*B.A., Washington University*

*Entered 2016*

*Advisor: Tracey Young-Pearse*

---

**Enrolled in PiN**



**Andrew Landau**

*B.A., Johns Hopkins University*

*Entered 2016*

*Advisor: Bernardo Sabatini*

---

**Enrolled in PiN**



**Suk Joon Lee**

*A.B., Dartmouth College*

*Harvard Medical School*

*Entered 2016*

*Advisor: Bernardo Sabatini*

---

**Enrolled in PiN**





**Jenny Lu**

*A.B., Harvard College  
Harvard Medical School  
Entered 2016  
Advisor: Rachel Wilson*

---

**Enrolled in PiN**



**Jasper Maniates-Selvin**

*B.A., Washington University  
Entered 2016  
Advisor: Wei-Chung Allen Lee*

---

**Enrolled in PiN**



**Julia Nguyen**

*A.B., Harvard University  
Entered 2016  
Advisor: John Assad*

---

**Enrolled in PiN**



**Tomas Osorno Ferro**

*B.S., M.A., Universidad Nacional de Colombia  
Entered 2016  
Advisor: Wade Regehr*

---

**Enrolled in PiN**



## Jenkang Tao

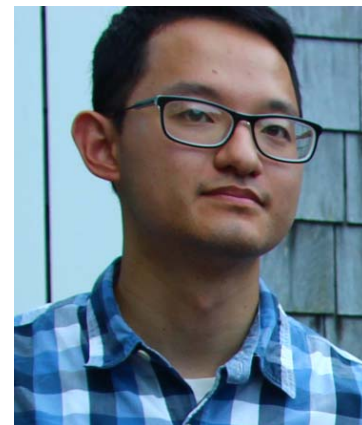
*B.A., B.S., University of California, Berkeley*

*Entered 2016*

*Advisor: Bradford Lowell*

---

**Enrolled in PiN**



## Momchil Tomov

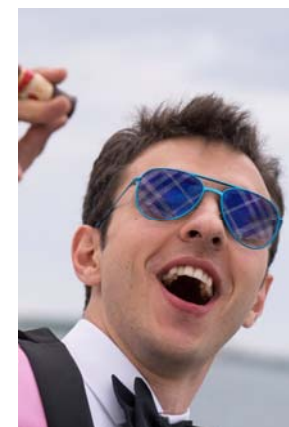
*B.SE., Princeton University*

*Entered 2016*

*Advisor: Samuel Gershman*

---

**Enrolled in PiN**



## Shih-Yi Tseng

*B.S., M.D., National Taiwan University*

*B.S., National Yang Ming University*

*Entered 2016*

*Advisor: Christopher Harvey*

---

**Enrolled in PiN**



## Eric Vaughn

*B.S., Arizona State University*

*Entered 2016*

*Advisor: Catherine Dulac*

---

**Enrolled in PiN**





**Keiko Weir**

*B.S. University of Washington*

*Entered 2016*

*Advisor: Lisa Goodrich*

---

**Enrolled in PiN**



**Zihe (Alex) Zhang**

*B.S., Huazhong University of Science and Technology*

*Entered 2016*

*Advisor: Clifford Woolf*

---

**Enrolled in PiN**



**Peter Angeli**

*B.S., Johns Hopkins University*

*Entered 2017*

---

**Enrolled in PiN**



**Melanie Basnak**

*B.S., Universidad de Buenos Aires*

*Entered 2017*

---

**Enrolled in PiN**





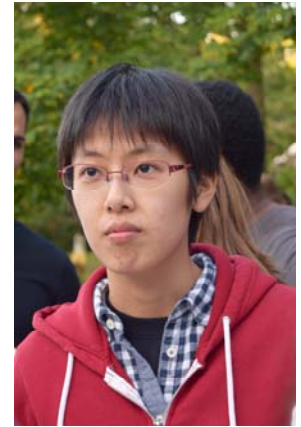
**Yurika Doi**

*B.S., University of Tokyo*

*Entered 2017*

---

**Enrolled in PiN**



**Michaela Ennis**

*B.S., M.Eng., Massachusetts Institute of Technology*

*Entered 2017*

*Advisor: Justin Baker*

---

**Enrolled in PiN**



**Elaine Fisher**

*B.A., Stanford University*

*Entered 2017*

*Advisor: Gordon Fishell*

---

**Enrolled in PiN**



**Michael Gullede**

*B.A., University of Pennsylvania*

*Entered 2017*

---

**Enrolled in PiN**





**Allie Hexley**

*B.A., Massachusetts Institute of Technology*

*Entered 2017*

---

**Enrolled in PiN**



**Anna Jaffe**

*B.S., Stanford University*

*Entered 2017*

---

**Enrolled in PiN**



**Mehak Khan**

*B.S., University of Southern California*

*Entered 2017*

*Advisor: Wade Regehr*

---

**Enrolled in PiN**



**Trevor Krolak**

*B.A., Washington University*

*Entered 2017*

*Advisor: Chenghua Gu*

---

**Enrolled in PiN**





**Matthew McGill**

*B.A., Harvard College  
Entered 2017  
Advisor: Daniel Polley*

---

**Enrolled in PiN**



**John Mikhael**

*S.B., Massachusetts Institute of Technology  
M.Sc., Oxford University  
Entered 2017  
Advisor: Samuel Gershman*

---

**Enrolled in PiN**



**Genelle Rankin**

*B.A., Bennington College  
Entered 2017  
Advisor: David Ginty*

---

**Enrolled in PiN**



**Jasmine Reggiani**

*B.S., M.S., Utrecht University  
Entered 2017  
Advisor: Mark Andermann*

---

**Enrolled in PiN**





**Christopher Reid**

*B.S., City College of New York*

*Entered 2017*

*Advisor: Corey Harwell*

---

**Enrolled in PiN**



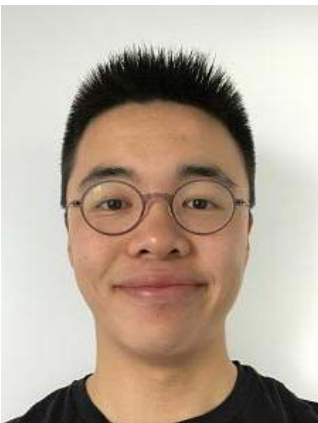
**Eden Sayed**

*B.S., University of California, Los Angeles*

*Entered 2017*

---

**Enrolled in PiN**



**Haozhe Shan**

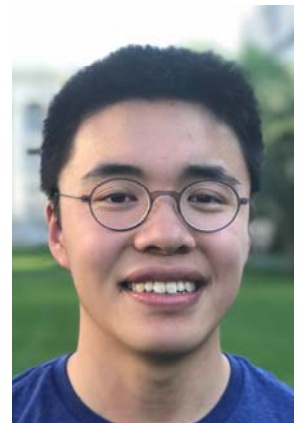
*B.A., University of Chicago*

*Entered 2017*

*Advisors: Florian Engert/Haim Sompolinsky*

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**Slater Sharp**

*B.A., Cornell College*

*Entered 2017*

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**Enrolled in PiN**





**Edward Stronge**

*B.S., University of Minnesota*

*Entered 2017*

*Advisor: Christopher Walsh*

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**Hannah Zucker**

*B.A., Hamilton College*

*Entered 2017*

*Advisor: Chenghua Gu*

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**Enrolled in PiN**



**Shyam Akula**

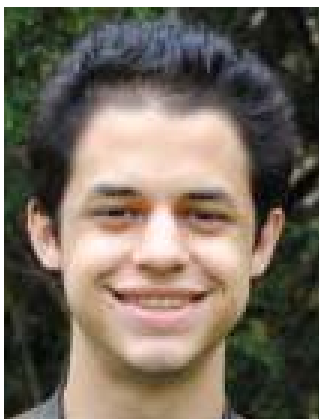
*B.A., Washington University*

*Harvard Medical School*

*Entered 2018*

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**Diego Aldarondo**

*A.B., Princeton University*

*Entered 2018*

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**Enrolled in PiN**



**Alex Chen**

*B.A., Washington University*

*Entered 2018*

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**Morven Chin**

*B.A., Dartmouth College*

*Entered 2018*

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**Kelsey Clausing**

*B.A., University of California, Berkeley*

*Entered 2018*

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**Rachel Essner**

*B.A., Williams College*

*Entered 2018*

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**Wendy Fung**

*B.S., University of California, Los Angeles*

*Entered 2018*

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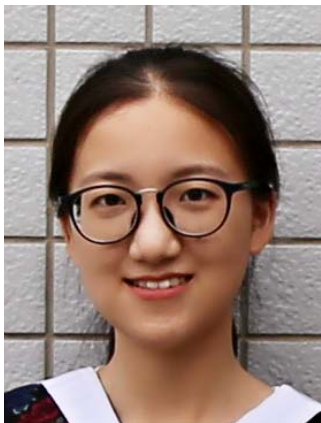
**Yu-Chen Hsieh**

*B.S., Johns Hopkins University*

*Entered 2018*

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**Shuhan Huang**

*B.S., Zhejiang University*

*Entered 2018*

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**Erica Huey**

*B.A., University of California, Berkeley*

*Entered 2018*

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**Maya Jay**

*B.S., Massachusetts Institute of Technology*

*Entered 2018*

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**Enrolled in PiN**



**Lucy Lai**

*B.A., Rice University*

*Entered 2018*

---

**Enrolled in PiN**



**Adam Lowet**

*B.S., Yale University*

*Entered 2018*

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**Enrolled in PiN**



**Nghia Nguyen**

*B.S., M.S., Stanford University*

*Entered 2018*

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**Enrolled in PiN**



**Olubusola Olukoya**

*B.A., Kenyon College*

*Entered 2018*

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**Enrolled in PiN**



**Lijun Qi**

*B.S., Beijing University*

*Entered 2018*

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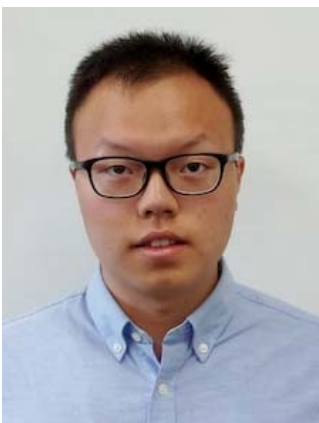
**Jeffrey Rhoades**

*B.A., Lewis and Clark College*

*Entered 2018*

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**Senmiao Sun**

*B.S., M.S., Brandeis University*

*Entered 2018*

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**Enrolled in PiN**



**Tess Whitwam**

*B.S., University of California, Santa Barbara*

*Entered 2018*

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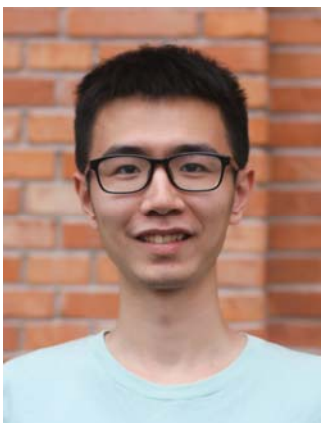
**Marty Yang**

*B.S., Duke University*

*Entered 2018*

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**Enrolled in PiN**



**Dawei Zhang**

*B.S., Zhejiang University*

*Entered 2018*

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