National Institute of Neurological Disorders and Stroke

National Institute of
Neurological Disorders and Stroke

R25 Grantee WORKSHOP

R25 Research Education Program for Residents and Fellows in Neurological Disorders and Stroke

MARCH 7-9, 2024
Harvard University, Boston, Massachusetts

2024 NINDS R25 GRANTEE WORKSHOP

INTRODUCTION

BOSTON, MA MARCH 7-9, 2024

This workshop brings together the participants (adult and pediatric neurologists, neurosurgeons, and neuropathologists) supported by the NINDS R25 to discuss the transition from residency and fellowship to successful competition for individual research career development awards. This workshop includes sessions that address issues relevant to all participants, as well as sessions that are individualized to each medical specialty. The workshop features presentations (lectures and panel discussions) from both junior and established researchers, including some who have recently transitioned to career development awards. Furthermore, in addition to providing many networking opportunities, all residents and fellows will present posters or presentations of their ongoing or planned research. This will allow participants to discuss their scientific work in-depth with both faculty and each other. Lastly, participants who submitted a specific aims page for their future intended grant application will have the opportunity to meet with faculty who will critique these aims.

2024 NINDS R25 GRANTEE WORKSHOP

TABLE OF CONTENTS

BOSTON, MA MARCH 7-9, 2024

LOGISTICS

BOSTON, MA MARCH 7-9, 2024

Security

Please visit the meeting registration desk to check in and pick up your meeting name badge. Please **wear your name badge each day you attend the meeting** for security purposes.

The Venues

Thursday Evening Only:

Boston Children's Hospital, Center for Life Science Building
3 Blackfan Circle, 12th Floor Conference Room
Boston, MA 02115

Friday and Saturday Events:

Harvard Medical School, Joseph B. Martin Conference Center
77 Avenue Louis Pasteur
Boston, MA 02115

Meals/Refreshments

Courtesy of American Neurological Association and Congress of Neurological Surgeons

Thursday: 5:30 pm Pizza Dinner (*Boston Children's Hospital, Center for Life Science Building)*

Friday: 7:00 am Breakfast (*Harvard Medical School, Joseph B. Martin Conference Center)*
Light refreshments throughout the day
12:30 pm Lunch
5:00 pm Reception

Saturday: 7:00 am Breakfast (*Harvard Medical School, Joseph B. Martin Conference Center)*
Light refreshments throughout the morning

Internet Access

The Harvard Medical School, Joseph B. Martin Conference Center has free public Wi-Fi. Please connect to the **"HMS Guest"** network. You will then be prompted to register for the network. You will be asked to provide your first name, last name, email address, and cell provider (Verizon, AT&T, etc.). Once registered, you will then get your username and password (which will be emailed to you as well). This username and password will then give you access to the guest network for the day. With the given username and password, you can now login to the guest network.

LOGISTICS

BOSTON, MA MARCH 7-9, 2024

Parking Information

Parking is limited on both the Boston Children's Hospital and Harvard Medical School campuses.

★ Center for Life Science Boston | Boston Children's Hospital

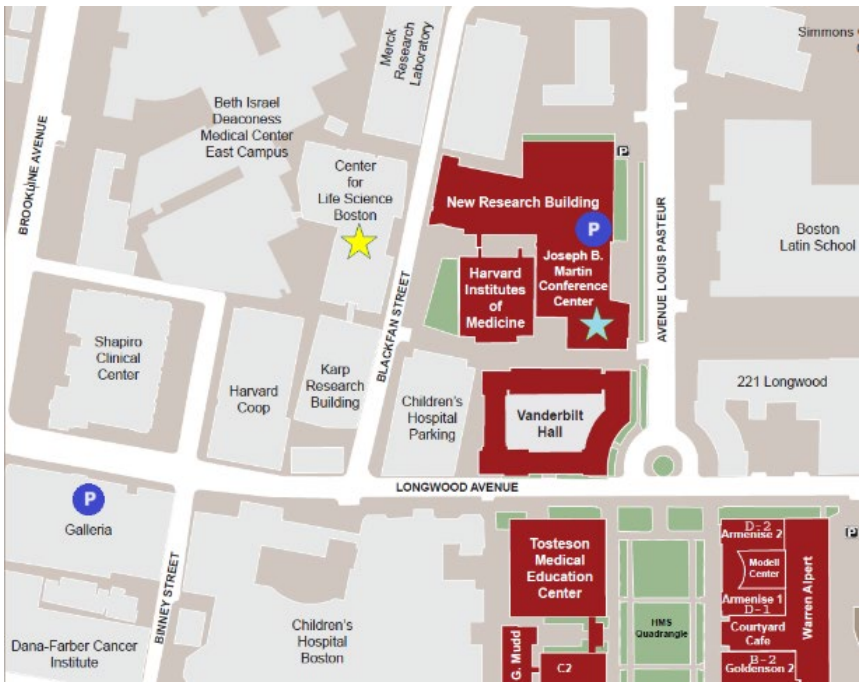
★ Joseph B. Martin Conference Center | Harvard Medical School

Longwood Galleria Garage (Pilgrim Parking)
350 Longwood Ave, Boston, MA 02115
Paid garage parking
Open 24/7
5–10-minute walk

Published Rates **subject to change*
0-1hrs. - $11
1-2hrs. - $15
2-3hrs. - $18
3-4hrs. - $20
4-5hrs. - $28
5-6hrs. - $34
6-8hrs. - $38
8-24hrs. - $42

Standard Parking (SP+)
77 Avenue Louis Pasteur, Boston, MA 02115
Paid garage parking
7:00am – 7:00pm
5-minute walk

1hr. - $12
2hrs. - $14
3hrs. - $16
4hrs. - $18
5hrs. - $30
6hrs. - $34
Up to 24hrs. - $42



Transportation Information

Directions to Joseph B. Martin Conference Center from Boston Logan International Airport

1. Approaching Boston, keep right at the fork, following signs for MA-IA S/1-93 N/Sumner Tunnel/Government Center
2. Continue on MA-1A S, take MA-28 S exit toward Storrow Drive, keep right at the fork to follow signs for MA-28 S/MA-3 N/Storrow Drive
3. Continue onto MA-3 N and continue onto MA-28 S (signs for Storrow Drive West) and continue onto Storrow Drive (signs for Storrow Drive West)
4. Use middle lane to take the exit toward Kenmore Square and continue onto Charlesgate West
5. Turn right onto Beacon Street, use the left two lane to merge onto Riverway, continue onto Fenway
6. Use any lane to turn right onto Avenue Louis Pasteur
7. Joseph B. Martin Conference Center will be on your right

Directions to Joseph B. Martin Conference Center from Hotel Commonwealth

1. Head east on Commonwealth Avenue toward Kenmore Street
2. Turn left onto Kenmore Street
3. Turn left onto Commonwealth Avenue
4. Use the left 2 lanes to turn slightly left onto Beacon Street
5. Turn left onto Park Drive
6. Use the right lane to merge onto Riverway
7. Continue onto Fenway
8. Use any lane to turn right onto Avenue Louis Pasteur
9. Joseph B. Martin Conference Center will be on your right

Directions to Joseph B. Martin Conference Center campus from Hilton Garden Inn Boston Brookline

1. Head northeast on Brookline Avenue toward Pearl Street
2. Turn right onto Longwood Avenue
3. Turn left onto Avenue Louis Pasteur
4. Turn right to stay on Avenue Louis Pasteur
5. Joseph B. Martin Conference Center will be on your left

Thursday, March 7

5:30 – 7:00 pm	**Pizza Dinner and Networking** **Registration will be open at 5:00 pm outside of the 12th floor conference room.* *The Pizza dinner will end at 7:00pm.*	Center for Life Science Building, Boston Children's Hospital 12th Floor Conference Room 3 Blackfan Circle Boston, MA 02115

2024 NINDS R25 GRANTEE WORKSHOP

AGENDA

BOSTON, MA MARCH 7-9, 2024

Friday, March 8

7:00 – 7:50 am	**Registration/Breakfast** **Poster presenters to set up poster presentation*	Rotunda
8:00 – 8:30 am	**Introduction**: ***Goals of the R25/UE5 program and the need for Rigor*** Dr. Stephen Korn, NINDS	Rotunda
8:30 – 9:30 am	**Keynote:** ***Ion flux through injured membranes*** Dr. Kevin Staley	Rotunda
9:30 – 9:45 am	**Break**	
9:45 – 11:00 am	**Panel Discussion**: ***Getting a K to starting your lab. What do you wish you knew, what mistakes did you make, what should you have taken advantage of, etc.*** **Panel**: Dr. Jonathan R. Brent, Dr. Caitlin K. Rollins, Dr. Risheng Xu, and Dr. Erin C. Conrad **Moderator**: Dr. John Detre	Rotunda
11:00 – 11:15 am	**Creating and supporting a diverse and inclusive workforce** Dr. Michelle Jones-London	Rotunda
11:15 – 11:30 am	**Break into 4 breakout rooms**	
11:30 – 12:30 pm	**Talks 1-4 (4 rooms with 4 talks in each)** Second and third years giving 2-minute presentations, 13 minutes discussion	Rotunda and rooms 214, 216, and 217
12:30 – 1:30 pm	**Lunch**	Rotunda
1:30 – 2:00 pm	**CNS –** Dr. Alex Khalessi **ANA** – Dr. Elizabeth Ross	Rotunda
2:00 – 2:30 pm	**Break into 4 breakout rooms**	
2:15 – 3:30 pm	**Talks 5-9 (4 rooms with 5 talks in each)** Second and third years giving 2-minute presentations, 13 minutes discussion	Rotunda and rooms 214, 216, and 217
3:30 – 3:45 pm	**Break**	
3:45 – 5:00 pm	**Chat** Dr. Stephen Korn and Dr. Tish Weigand with PIs Dr. Michael Tennekoon with trainees	Rooms 214-217 & 2nd floor lounge Rotunda
5:00 – 8:00 pm	**Posters/Reception (5-6 pm attend assigned posters)**	2nd floor lounge

Saturday, March 18

7:00 – 7:50 am	**Breakfast**	Rotunda
8:00 – 9:45 am	**How to write specific aims page, career development plan** Dr. Lauren Sansing **Summary statements – what do reviewers say?** Dr. Stephen Korn	Rotunda
9:45 – 10:00 am	**Break**	
10:00 – 11:00 am	***Concurrent Sessions***	
	1st year Neurology: **Step by step- building a dual career as a Neurologist researcher** Dr. Tom Carmichael	Room 216
	1st year Neurosurgery: **Step by step- building a dual career as a Neurosurgeon researcher** Dr. Bill Mack	Room 217
	2nd and 3rd years: **Specific Aims mentoring session**	Rotunda/2nd floor lounge/Room 214
11:00 – 12:00 pm	***Concurrent Sessions***	
	Adult Neurology/Pediatric Neurology **Chair Panel Discussion: *Setting up for career success*** **Panelists**: Dr. Merit Cudkowicz, Dr. Scott Pomeroy, Dr. S. Andrew Josephson, Dr. Page B. Pennell, and Dr. Elan D. Louis **Moderator**: Dr. Argye Hillis	Rotunda
	All Neurosurgery **Chair Panel Discussion**: ***Setting up for career success*** **Panelists**: Dr. E. Antonio Chiocca, Dr. Linda Liau, and Dr. Alexander A. Khalessi **Moderator**: Dr. Bill Mack	Room 217
12:00 – 1:00 pm	***Concurrent Sessions***	
	Adult Neurology General feedback on Posters/Talks and group mentoring	Rotunda
	All Neurosurgery General feedback on Posters/Talks and group mentoring	Room 217
	Pediatric Neurology General feedback on Posters/Talks and group mentoring	Room 214

WILLIAM BENZING, PhD

Scientific Review Officer
National Institute of Neurological Disorders and Stroke, National Institutes of Health

Dr. William Benzing is the Scientific Review Officer for the NST-1 study section, which reviews the training grant mechanisms in which the NINDS participates. These include the diversity F99/K00, diversity K01 and K22, clinician scientist K02, and clinician scientist mentored K08, K22 and K23 training grant mechanisms. Prior to taking over the NST-1 study section in early 2016, Dr. Benzing ran the NSD-C study section, which reviewed a broad range of basic and translational research grant applications focused on epilepsy, pain, Alzheimer's disease, multiple sclerosis, neurovirology, and neuroinflammation. In 2006, Dr. Benzing came to NINDS from the NIH Center for Scientific Review where he was the Deputy Chief for CSR's Brain Disorders and Clinical Neurosciences IRG and SRO for the BDCN-2/Clinical Neuroplasticity and Neurotransmitters (CNNT) Study Section. Prior to joining CSR, Dr. Benzing worked seven years in the biotech industry as a senior project leader at Gliatech, Inc., Cleveland, OH. There, he managed a program to develop anti-inflammatory agents for the treatment of Alzheimer's disease, myocardial ischemia, and rheumatoid arthritis. Dr. Benzing received a Ph.D. in Neurosciences from the University of California, San Diego, where he studied the development of the senile plaques that form in the brains of patients with Alzheimer's Disease. After a brief stint at Georgetown University, he moved to Rush Presbyterian St. Luke's Medical Center in Chicago where he conducted studies focused upon neural development, neuroimmunology and neurodegenerative diseases such as Alzheimer's and Parkinson's disease. Dr. Benzing also performed research on the effect of aging upon a variety of neurotransmitters systems, including their phylogenetic differences among primates and their expression during human development, aging, and Alzheimer's disease.

TIFFANY BRALEY, MD

Associate Professor of Neurology
University of Michigan

Dr. Braley is an Associate Professor of Neurology and clinical neuroimmunologist. In addition to her medical degree, from Wayne State University, she also holds an M.S. degree, in Clinical Research Design and Statistical Analysis, from the University of Michigan School of Public Health. And her research focuses on crucial connections between sleep disorders, the immune system, and neurological disorders, especially as they relate to patients with MS. She also conducts clinical trials of MS therapeutics. Since completing her Multiple Sclerosis Clinical Fellowship and joining the U-M Neurology faculty in 2011, Dr. Braley has worked to develop a productive, multidisciplinary clinical research program between the University of Michigan Sleep and Neuroimmunology (MS) groups. To date, this program has led to several important findings that have increased our understanding of sleep disorders and their consequences in MS, and predictors of MS-related fatigue. Dr. Braley has also established a new first of its kind Multidisciplinary MS Fatigue and Sleep Clinic. This clinic offers a unique service to patients with multiple sclerosis and related inflammatory disorders of the central nervous system.

JONATHAN R. BRENT, MD, PhD

Assistant Professor of Neurology
Northwestern University

Jonathan Brent MD, PhD is a physician-scientist with an interest in the roles of axonal transport and cytoskeletal dynamics in the pathogenesis of neurodegenerative diseases such as Amyotrophic Lateral Sclerosis and Frontotemporal Dementia. Dr. Brent received his B.S. in Cellular and Molecular Biology, suma cum laude with honors, from Hampton University in 2006 and completed the medical scientist training program (MSTP) at Columbia University Vagelos College of Physicians and Surgeons in 2013. He completed residency in Adult Neurology and Neuromuscular medicine Fellowship at Northwestern University where he received the R25 award and later a clinical research training scholarship CRTS in ALS from the American Academy of Neurology. His current work is supported by an NINDS K08Mentored Clinical Scientist Research Career Development Award to study the pathogenesis of neurodegeneration in KIF5A ALS/FTD.

S. THOMAS CARMICHAEL, MD, PhD

Professor and Chair, Department of Neurology; Co-Director, Broad Stem Cell Center
Co-Director, Regenerative Medicine Theme
University of California, Los Angeles

S. Thomas Carmichael is Professor and Chair of the Department of Neurology and Professor in the Department of Neurobiology at the David Geffen School of Medicine at UCLA. He has active laboratory and clinical interests in stroke and neurorehabilitation and how the brain repairs from injury. He received his M.D. and Ph.D. degrees from Washington University School of Medicine in 1993 and 1994 and completed a Neurology residency at Washington University School of Medicine, serving as Chief Resident. Dr. Carmichael was a Howard Hughes Medical Institute postdoctoral fellow at UCLA from 1998-2001. He has been on the UCLA faculty since 2001. Dr. Carmichael's laboratory studies the molecular and cellular mechanisms of neural repair after stroke and other forms of brain injury. This research focuses on the processes of axonal sprouting and neural stem cell and progenitor responses after stroke, and on neural stem cell transplantation. Dr. Carmichael is an attending physician on the General Neurology and outpatient clinical services at UCLA. Dr. Carmichael has published important papers on stroke recovery that have defined mechanisms of plasticity and repair. These include the fact that the stroke produces partially damaged circuits that limit recovery but can be restored to normal functioning with newly applied experimental drugs. His work has identified brain "growth programs" that are activated by stroke and lead to the formation of new connections, how these growth programs change with age, and how specific molecules in the aged brain block the formation of new connections and of recovery.

FACULTY and SPEAKER BIOGRAPHIES

BOSTON, MA MARCH 7-9, 2024

BOB CARTER, MD, PhD

Chief, Neurosurgery Service,
Massachusetts General Hospital
William and Elizabeth Sweet Professor of Neurosurgery
Harvard Medical School, Department of Neurosurgery

Bob S. Carter, MD, PhD, is a board-certified neurosurgeon specializing in complex intracranial surgery including brain, pituitary, and skull base tumors, and brain aneurysms. Dr. Carter is the Chair of the Department of Neurosurgery at Mass General and the William and Elizabeth Sweet Professor of Neurosurgery at Harvard Medical School. One of the nation's leading clinical neurosurgeons, Dr. Carter co-leads Massachusetts General Hospital's brain tumor program. As a prolific researcher, Dr. Carter's scientific work has included the development of the first reported EGFRvIII directed CAR T-cell therapy, and the first characterizations of exosomes in glioblastoma. He is a principal investigator participating in the NCI's liquid biopsy consortium. Dr. Carter leads a team of clinician scientists who have developed the role of "big data" in characterizing outcomes in oncologic and vascular neurosurgery. He served as Chair of the Editorial Board for the Journal of Neurosurgery and editorial advisory board member for Neurosurgery. Prior to joining Mass General, Dr. Carter served as Professor and Chair of Neurosurgery at the UC San Diego School of Medicine. Elected to America's Top Doctors®, Dr. Carter is a fellow of the American Association of Neurological Surgeons and a member of numerous medical organizations, including the Congress of Neurological Surgeons and the American Academy of Neurological Surgery. He serves on the program committee for the American Stroke Association's International Stroke Conference and has served on the executive boards of the Joint Cerebrovascular Section and the New England Neurosurgical Society.

SYD CASH, MD, PhD

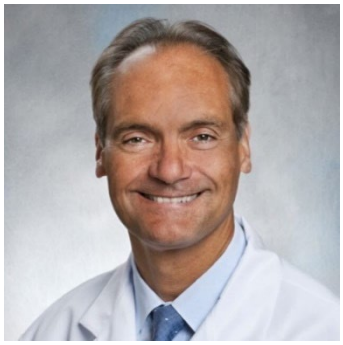
Associate Professor of Neurology
Harvard Medical School
Assistant in Neurology
Massachusetts General Hospital

Sydney S. Cash, MD, PhD, received his MD and PhD degrees from Columbia University College of Physicians and Surgeons, completed his Neurology residency and was a Chief Resident at MGH and BWH. Dr. Cash is on the Neurology staff at MGH and is an Assistant Professor in Neurology at Harvard Medical School. Dr. Cash is a specialist in epilepsy with research expertise in cortical microphysiology, including research with the investigating the mechanisms of diseases such as epilepsy and ways of interfacing with the brain for improving the lives of people with seizures, paralysis, and other neurological difficulties.

H. ISAAC CHEN, MD

Assistant Professor of Neurosurgery
University of Pennsylvania
Neurosurgery Residency Program Director and Surgical Director
Penn Epilepsy Center

H. Isaac Chen, MD is an Assistant Professor of Neurosurgery at the University of Pennsylvania and serves as the Neurosurgery Residency Program Director and Surgical Director of the Penn Epilepsy Center. He obtained his undergraduate degree in Biochemical Sciences at Harvard University and his medical degree from the University of Pennsylvania. He subsequently completed his neurosurgical training at the University of Pennsylvania. Dr. Chen's clinical practice encompasses functional neurosurgery and the treatment of brain tumors, especially those in eloquent brain areas. He runs a translational research laboratory focused on developing novel strategies for rebuilding brain circuity after injury using principles and techniques derived from stem cell biology, neural tissue engineering, and neural interfaces.



E. ANTONIO CHIOCCA, MD, PhD, FAANS

Chairman of the Department of Neurosurgery
Brigham and Women's Hospital
Harvey W. Cushing Professor of Neurosurgery
Harvard Medical School

Dr. E. Antonio (‘Nino”) Chiocca was born in the city of Padova in northeastern Italy. In 1979, he came to the USA where he attended college at the University of Texas at El Paso, where he graduated with a BS in 1982. His interest in biomedical research was solidified by an undergraduate research project that he attended at MD Anderson Hospital in the summer of 1981. He entered the MD/PhD program offered by the University of Texas Medical School at Houston and the Graduate School of Biomedical Sciences. In 2004, he became the first Chairman of the newly instituted Department of Neurological Surgery at the Ohio State University Medical Center, where he held the Dardinger Family Endowed Chair in Oncological Neurosurgery. In 2012, he became the Chairman of the Department of Neurosurgery at Brigham & Women's Hospital and the Harvey W. Cushing Professor of Neurosurgery at Harvard Medical School, funded by the Daniel E. Ponton fund. Dr. Chiocca is a clinician-scientist whose research is focused on developing novel genetic therapies for malignant brain tumors. He is the current Secretary of the American Association of Neurological Surgeons and the President of the Society of Neurosurgeons, among other board positions.

ERIN C. CONRAD, MD

Assistant Professor of Neurology
University of Pennsylvania

Erin Conrad is an Assistant Professor of Neurology in the Epilepsy division at the University of Pennsylvania. She is in the 3rd year of an NINDS K23 award. Her career goal is to bridge the fields of data science and clinical epilepsy, applying computational tools to improve how we care for people with intractable seizures.

FACULTY and SPEAKER BIOGRAPHIES

BOSTON, MA MARCH 7-9, 2024

MERIT CUDKOWICZ, MD, MSC

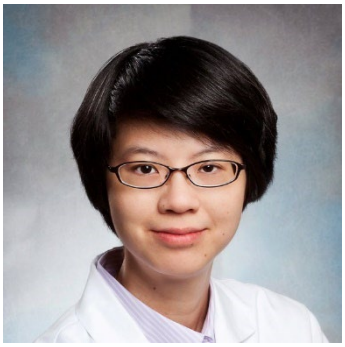
Chair of Neurology and Director or the Sean M. Healey & AMG Center for ALS
Massachusetts General Hospital
Julieanne Dorn Professor of Neurology
Harvard Medical School

Dr. Merit Cudkowicz is the Chair of Neurology and Director of the Sean M. Healey & AMG Center for ALS at Massachusetts General Hospital and the Julieanne Dorn Professor of Neurology at Harvard Medical School in Boston. Dr. Cudkowicz is one of the founders and former co-directors of the Northeast ALS Consortium (NEALS), a group of over 150 clinical sites in the United States, Canada, Europe and the Middle East dedicated to performing collaborative academic-led clinical trials and research studies in ALS. She helped bring forward two of the most recent new FDA approved treatments for people with ALS, Relyvrio and Qalsody. She is leading the first Platform Trial initiative in ALS and is also the Principal Investigator of the Clinical Coordination Center for the National Institute of Neurological Disorders and Stroke's Neurology Network of Excellence in Clinical Trials (NeuroNEXT). Dr. Cudkowicz mentors neurologists in careers in experimental therapeutics.

JOHN A. DETRE, MD

Professor of Neurology and Radiology; Vice Chair, Research in Neurology
Director, Center for Functional Neuroimaging in Radiology
University of Pennsylvania

Dr. Detre is Professor of Neurology and Radiology at the University of Pennsylvania Perelman School of Medicine where he also serves as Vice Chair for Research in Neurology and as founding Director of the Center for Functional Neuroimaging in Radiology. He received his bachelor's and medical degrees from Yale and completed his neurology residency at Penn, where he has been on the faculty since 1993. He has been working in the field of neuroimaging for over 20 years, with a specific focus on quantitative cerebral blood flow imaging as a biomarker of brain function and on clinical applications of functional MRI. Dr. Detre has been the recipient of NINDS K08, K02, and K24 awards and is currently Principal Investigator of the NINDS R25 program at the University of Pennsylvania. He also attends on the stroke service at the Hospital of the University of Pennsylvania.



ROSE DU, MD, PhD

Director of Cerebrovascular Surgery Director of Bypass and Moyamoya Program, Department of Neurosurgery
Professor of Neurosurgery
Harvard Medical School

Dr. Du is the Director of Cerebrovascular Surgery in the Department of Neurosurgery and Associate Professor of Neurosurgery at Harvard Medical School. Dr. Du's clinical practice is focused on cerebrovascular diseases including brain aneurysms, arteriovenous malformations, moyamoya disease, carotid stenosis, cavernous malformations, dural b arteriovenous fistulas, brain tumors, skull base tumors, and trigeminal neuralgia. Dr. Du's research involves the genetics of and outcomes studies in cerebrovascular diseases.

GAVIN DUNN, MD, PhD

Director, Center for Brain Tumor Immunology and Immunotherapy
Massachusetts General Hospital
Associate Professor
Harvard University

Dr. Dunn is a board-certified neurosurgeon who specializes in neurosurgical oncology. At MGH, he is the Director of the Center for Brain Tumor Immunology and Immunotherapy. His practice centers on the management of patients with primary and metastatic brain cancers as well as general neurosurgical conditions. He has a comprehensive background employing technological adjuncts such as awake surgery, cortical mapping, laser ablation, fluorescence-guided surgery, and stereotactic radiosurgery. He is a fellow and member of the American Association of Neurological Surgeons (AANS), member of the Congress of Neurological Surgeons (CNS) and Society for Immunotherapy of Cancer (SITC), and member of the Board of Directors of the Society for Neuro-Oncology (SNO). Born in London, Dr. Dunn grew up in central Missouri and graduated summa cum laude from Princeton University. He received his MD and PhD degrees in the Medical Scientist Training Program at the Washington University School of Medicine in St. Louis where his doctoral work in cancer immunology was performed with Dr. Robert Schreiber. He completed his neurosurgical training at the Massachusetts General Hospital, where he conducted postdoctoral research in functional cancer genomics with Dr. William Hahn at the Broad Institute and Dana-Farber Cancer Institute. Prior to joining MGH, Dr. Dunn was an Associate Professor of Neurological Surgery and a Bursky Scholar in the Andrew M. and Jane M. Bursky Center for Human Immunology and Immunotherapy Programs at Washington University where he was also the Director the Neurological Surgery Residency Training Program. Dr. Dunn's NIH-funded research program focuses on understanding the immune response to brain tumors and the fundamental basis of CNS immunobiology in order to improve the lives of patients with brain cancers. His work on the Brain Tumor Immunity cycle involves preclinical models as well as translational work and has resulted in the development of novel personalized cancer vaccine clinical studies. He is a co-chair of a clinical trial through the Alliance for Clinical Trials in Neuro-Oncology focused on recurrent glioblastoma. Dr. Dunn is also a Commander in the United States Navy Reserves Medical Corps.

FACULTY and SPEAKER BIOGRAPHIES

BOSTON, MA MARCH 7-9, 2024

COSTAS HADJIPANAYIS, MD, PhD

L. Dade Lunsford Professor
Executive Vice Chair
Director, Center for Image-Guided Neurosurgery
Co-Director, UPMC Brain Tumor Center, UPMC Hillman Cancer Center
Director, Brain Tumor Nanotechnology Laboratory
University of Pittsburgh

Costas G. Hadjipanayis, MD, PhD, is a board-certified neurosurgeon who has devoted his entire career to the treatment of brain tumor patients. He completed his neurosurgical residency and graduate PhD training at the University of Pittsburgh with additional neurosurgical oncology training at the University of California, San Francisco. Dr. Hadjipanayis is executive vice chair for the University of Pittsburgh Department of Neurological Surgery and has succeeded L. Dade Lunsford, MD—his mentor—as director of the UPMC Center for Image-Guided Neurosurgery. Dr. Hadjipanayis also directs the Brain Tumor Nanotechnology Laboratory in the Hillman Cancer Center and has been the principal investigator of multiple clinical trials and university, foundation, and NIH-funded grants focused on brain tumors. He was recently recruited back to the University of Pittsburgh from the Icahn School of Medicine at Mount Sinai in New York City where he served as the chair of neurosurgery at Mount Sinai Union Square/Beth Israel and the director of neurosurgical oncology for the Mount Sinai Health System. Dr. Hadjipanayis has focused much of his career on innovation, translational research, and intraoperative technology development. In 2011, Dr. Hadjipanayis was the first to use 5-ALA (Gleolan) and perform fluorescence-guided surgery (FGS) in the United States and helped lead the FDA approval of Gleolan for glioma surgery in June 2017. He has also led the development of a voice-controlled robotic-assisted exoscope for neurosurgery. He is an elected member of the American Academy of Neurological Surgeons and the Society of Neurological Surgeons (SNS). Dr. Hadjipanayis has been a tireless brain tumor advocate serving on the nonprofit boards of the Southeastern Brain Tumor Foundation (SBTF) and StacheStrong.

DAVID HASAN, MD, MSc

Microvascular Surgeon, Neurosurgeon
Professor of Neurosurgery
Duke University

Dr. Hasan's clinical mission is to advance the science and practice of cerebrovascular neurosurgery to new uncharted frontiers. He aims to provide patients seeking neurosurgical treatment at Duke Health with world-class clinical care and surgical management. He partners with patients and their families to achieve excellent clinical and surgical outcomes. He leads a team of scientists and clinicians that strive to make innovative advances in treatment devices, alternative therapeutic agents for cerebrovascular diseases, and surgical approaches. Dr. Hasan is a scientist neurosurgeon with experience in management of cerebrovascular diseases and skull base tumors. He is a fellowship - dual trained open cerebrovascular and endovascular with a background of treating over 2500 brain aneurysms using very innovative techniques including awake surgery. He is an international authority in cerebrovascular research with over 270 peer-reviewed PubMed publications, multiple NIH grants, and member of several editorial boards of high impact medical and surgical journals.

PACO HERSON, PhD

Associate Dean for Research Innovation
Professor
The Ohio State University Medical Center

Dr. Herson is a translational neuroscientist who specializes in the development of new therapeutic approaches to treat cerebrovascular disease. He received his PhD at the University of Aberdeen, Scotland, UK and then moved on for a post-doctoral fellowship at the Vollum Institute with Dr. John Adelman. He worked as Assistant/Associate Professor at Oregon Health and Science University and then moved to the University of Colorado School of Medicine where he served as a Professor with Tenure and Vice Chair for Research in the Department of Anesthesiology. Dr. Herson's research focuses on understanding mechanisms of injury and repair following ischemic brain injury, with studies related to ion channels/receptors, neuroinflammation, age and gender. Current studies are focused on the impact of ischemia on synaptic function and plasticity with the goal of revealing pharmacological interventions that both prevent acute ischemic injury and improve long-term brain function after injury. He received several NIH, DoD and AHA grants and has been continuously NIH funded throughout his independent career. Dr. Herson has published over 100 peer reviewer articles, developed multiple patents and mentored several junior faculty, both PhD and clinician-scientist.

ARGYE HILLIS, MD

Executive Vice Chair, Department of Neurology; Director, Cerebrovascular Division
Professor of Neurology, Physical Medicine & Rehabilitation, and Cognitive Science
Johns Hopkins University

Dr. Hillis is a Professor of Neurology, Physical Medicine & Rehabilitation, and Cognitive Science at Johns Hopkins. She serves as the Executive Vice Chair of Neurology, and Director of the Cerebrovascular Division. She began her career as a Speech-Language Pathologist and Director of Neurological Rehabilitation, focusing on studies of novel treatments of aphasia and communication disorders after right hemisphere stroke. Dr. Hillis then completed medical training and neurology residency at Johns Hopkins and integrated her training in the fields of Speech-Language Pathology and Cognitive Science with Neurology to continue her investigations of aphasia and right hemisphere cognitive and communicative impairments and how patients recover. Using multimodality imaging and behavioral analyses, her lab studies changes from the acute stage of stroke through the first year of recovery to improve our understanding of how language and other cognitive functions recover after stroke and how to facilitate recovery. She also studies novel methods to treat communication in Primary Progressive Aphasia.

FACULTY and SPEAKER BIOGRAPHIES

BOSTON, MA MARCH 7-9, 2024

JASON HINMAN, MD, PhD

Associate Professor-in-Residence, Neurology
University of California Los Angeles

Dr. Dr. Hinman is a physician-scientist, Associate Professor of Neurology, and Vice Chair of Research in the David Geffen School of Medicine at UCLA. He is also Stroke Program Director at the West Los Angeles VA Medical Center. Dr. Hinman obtained his MD/PhD from Boston University School of Medicine and completed Adult Neurology Residency and Vascular Neurology Fellowship with specialization in Neurorehabilitation. He joined UCLA faculty in 2013 and believes in equity in education, science, and medicine. His NIH-funded laboratory at UCLA focuses on cellular and molecular pathways active in injury and repair in stroke and neurodegenerative disease.

MICHELLE JONES-LONDON, PhD

Chief, Office of Programs to Enhance Neuroscience Workforce Diversity
National Institute of Neurological Disorders and Stroke, National Institutes of Health

Dr. Michelle D. Jones-London serves as Chief, Office of Programs to Enhance Neuroscience Workforce Diversity (OPEN-WD). In this position, she plays a critical role in guiding the Institute's diversity efforts and chairs the NINDS Diversity Working Group. Dr. Jones-London joined NINDS as a Program Director in July 2006. Dr. Jones-London earned her Ph.D. in Neuroscience from the Department of Neuroscience and Anatomy at Pennsylvania State University College of Medicine. She then received postdoctoral training as a research fellow at the University of Pennsylvania in the Department of Psychiatry. Dr. Jones-London came to the NIH in July 2004 as an Emerging Leader Fellow; she performed duties across the Department of Health and Human Services including the Center for Scientific Review, FDA Office of Women's Health Science Program, and the Immediate Office of the Secretary, Intergovernmental/Tribal Affairs Office. Dr. Jones-London directs the diversity training and workforce development programs at NINDS which include Diversity and Re-Entry Supplements, Predoctoral Fellowships to Promote Diversity in Health-Related Research (F31), Career Development Awards to Promote Diversity (MOSAIC K99/R00 and K01) and Diversity Research Education Grants (R25) (including the Neuroscience Scholars Program with SfN). She also provides oversight for the Institute's diversity outreach initiatives at several other national scientific conferences. Her trans-NIH efforts include oversight for the NIH Blueprint ENDURE and DSPAN (F99/K00) programs, the BRAIN Initiative Diversity K99/R00, former Project Scientist for the NIH National Research Mentoring Network (NRMN) and part of the leadership team for NIH Faculty Institutional Recruitment for Sustainable Transformation (FIRST). Her research interests have focused on understanding monoaminergic neurotransmitter regulation and mechanisms of behavioral psychopharmacology in animal models of disorders such as ADHD, Tourette Syndrome, and depression.

S. ANDREW JOSEPHSON, MD

Professor and Chair, Neurology
UCSF Weill Institute for Neurosciences
University of California San Francisco

Dr. S. Andrew Josephson specializes in neurovascular and other neurologic disorders, caring for general neurology and stroke patients in the hospital as well as in clinic. He is the founder of UCSF's Neurohospitalist Program and specializes in difficult to diagnose inpatient neurologic conditions. He serves as Chair of the Department of Neurology and is the Carmen Castro Franceschi and Gladyne K. Mitchell Neurohospitalist Distinguished Professor. After graduating from Stanford University, Dr. Josephson earned his medical degree at Washington University in Saint Louis. He completed an internship in internal medicine and a residency in neurology at UCSF, where he was chief resident. He also completed fellowships in neurovascular neurology (stroke) and behavioral neurology at UCSF and is board certified in both vascular neurology and neurocritical care. Dr. Josephson is known nationally for his pioneering work launching the neurohospitalist model of care and his leadership of its society. His research interests include improving models of inpatient neurologic care delivery, quality and safety in hospitalized patients, neurologic education, delirium, and the contribution of stroke to dementia. He serves as the Editor-In-Chief of JAMA Neurology, a leading journal in the field. Dr. Josephson has won numerous teaching awards from medical students and residents at UCSF including being selected to present the keynote address for the School of Medicine Commencement; the Henry J. Kaiser Award for Excellence in Teaching; the Academic Senate Distinction in Teaching Award, and the Robert Layzer Golden Toe Award for resident teaching.

JOHN KESSLER, MD

Director, Stem Cell Institute
Northwestern University

Dr. Kessler received his undergraduate degree from Princeton University and his M.D. from Cornell University. He is board certified in both neurology and internal medicine. The majority of his research career has focused on studies of basic cellular and molecular neurobiology with the long-term goal of developing techniques for repairing the damaged nervous system. His work has also collaboratively embraced other fields including bionanotechnology and materials science to help develop tools for accomplishing this long-term goal. Dr. Kessler is now beginning to translate his findings in several clinical trials that he is directing, including a phase III gene therapy trial. He was Chairman of Neurology at Northwestern University for 12 years and currently is Director of the Northwestern University Stem Cell Institute. He is Editor-in-Chief of the Annals of Clinical and Translational Neurology and an associate editor on several other journals. Dr. Kessler has received numerous awards both in the medical field and outside of it, including a Peabody Award for his documentary film. He is on the board of directors of two hospitals and serves on numerous scientific advisory boards, including the Christopher Reeve Foundation Advisory Panel and the March of Dimes Scientific Review Board. He is the author of more than 300 scientific publications and has had NIH funding continuously since 1979. Dr. Kessler is Principal Investigator of the Northwestern University R25 Research Education Programs for Trainees in Neurology.

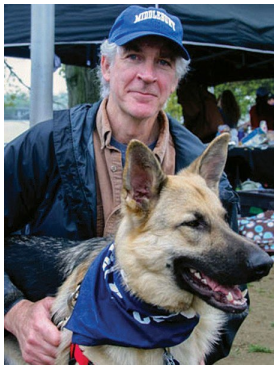
FACULTY and SPEAKER BIOGRAPHIES

BOSTON, MA MARCH 7-9, 2024

ALEXANDAR A. KHALESSI, MD, MBA

Chair, Department of Neurological Surgery
Professor of Surgery, Radiology and Neurosciences
University of California, San Diego

Dr. Alexander Khalessi is a board-certified neurosurgeon specializing in cranial and endovascular surgery. He provides both open surgical and catheter-based approaches to complex neurosurgical problems, including primary and metastatic brain tumors, cavernomas, aneurysms, arteriovenous malformations (AVMs), stroke, Moyamoya disease, and carotid disease. Dr. Khalessi holds several global and national leadership roles. He is the current President of the Congress of Neurological Surgeons (CNS), the leading academic society for neurosurgical professionals. Dr. Khalessi is in his fourth term on the American Association of Neurological Surgeons (AANS)/CNS Washington Committee and sits on the Board of Governors for the American College of Surgeons (ACS). Dr. Khalessi earned his medical degree at Johns Hopkins School of Medicine and completed his neurosurgical residency at the University of Southern California. He obtained a bachelor's degree in public policy and master's degree in health services research from Stanford University and holds a master's degree in business administration from Massachusetts Institute of Technology (MIT) Sloan School of Management.



STEPHEN KORN, PhD

Director, Office of Training and Workforce Development
National Institute of Neurological Disorders and Stroke, National Institutes of Health

Dr. Korn came to NINDS as Director of the Office of Training, Career Development and Workforce Diversity (now the Office of Training & Workforce Development) in January 2006. He received his Ph.D. in Pharmacology from the University of North Carolina - Chapel Hill and received postdoctoral training at NIH (as a PRAT Fellow of NIGMS) and at the Roche Institute of Molecular Biology (with financial support from NRSA postdoctoral fellowships). He then spent 15 years on the faculty of the University of Connecticut at Storrs, where he was a Full Professor. His area of scientific specialty is the molecular basis of ion channel gating and permeation, but he has also conducted electrophysiological and imaging research on calcium and pH transport/buffering, and synaptic transmission in the hippocampal slice.

SHENG-HAN KUO, MD

H. Houston Merritt Associate Professor of Neurology
Director of the Initiative for Columbia Ataxia and Tremor
Columbia University Irving Medical Center

Dr. Kuo is a Movement Disorders specialist caring for patients with cerebellar ataxia, including spinocerebellar ataxia and multiple system atrophy, and a variety of other movement disorders, such as essential tremor and Parkinson's disease. As a physician-scientist, his research is funded by National Institutes of Health to study the role of the cerebellum in movement disorders, implicating in ataxia and tremor. He leads a multi-disciplinary research team to study the disease mechanism and to develop therapies for movement disorders via translational research and clinical trials. Dr. Kuo is the Director for the Initiative for Columbia Ataxia and Tremor (ICAT), an interdisciplinary research group to study how the cerebellum plays a role in neurological and neurodegenerative disorders. He also serves as one of the tri-leaders for the Clinical Research Consortium for Spinocerebellar Ataxias, constituting 15 medical centers in the U.S. to study patients living with spinocerebellar ataxias. Aiming to promote research collaboration, Dr. Kuo organizes International Tremor Congress every other year, bringing researchers together to advance therapies for tremor. He was elected in 2020 as the Vice Chair for the Movement Disorders Section at American Academy of Neurology. Dr. Kuo has received multiple scientific awards as the recognition of his contributions to neurology, including 2016 Louis V. Gerstner Jr. Scholar Merit Award, 2019 American Academy of Neurology Jon Stolk Award for Movement Disorders, and 2020 American Neurological Association Derek Denny-Brown Award.

MICHAEL LEVITT, MD, FAANS

Assistant Professor of Neurological Surgery, Radiology, and Mechanical Engineering
Associate Program Director of the Neurological Surgery Residency
Scientific Director of the Stroke and Applied Neuroscience Center
University of Washington

Dr. Michael Levitt is an Associate Professor of Neurological Surgery, Radiology and Mechanical Engineering. He is a board-certified neurosurgeon with a focused practice in the surgical treatment of cerebrovascular disease. Dr. Levitt's research has been funded by the NIH, the American Heart Association and other foundations since 2011, with research focused on cerebral aneurysm pathophysiology. His lab pioneered the incorporation of endovascular Doppler measurements to improve boundary condition accuracy in fluid dynamics simulations; the application of microtomography, 3D-printed models and materials science techniques in the characterization of endovascular aneurysm treatment; and the use of endothelialized 3D-printed models to measure the effect of hemodynamic stresses on the transcriptional activity of vascular endothelial cells. As the Scientific Director of the UW Stroke & Applied Neuroscience Center, a multidisciplinary organized research unit, he maintains close collaborations with physician-scientists and researchers in multiple disciplines including radiology, bioengineering, cardiothoracic surgery, mechanical engineering, psychiatry and genomics. He has served on multiple NIH and AHA grant review study sections focusing on surgery, neuroscience and small businesses, and is the current national chair of research for the American Association of Neurological Surgeons/Congress of Neurological Surgeons Cerebrovascular Section.

FACULTY and SPEAKER BIOGRAPHIES

BOSTON, MA MARCH 7-9, 2024

SAMDEN LHATOO, MD, FRCP

Director, Texas Comprehensive Epilepsy Program
Co-Director, Texas Institute for Restorative Neurotechnologies
Professor, McGovern Distinguished Chair in Neurology, and Executive Vice Chair, Department of Neurology
McGovern Medical School, UTHealth

Dr. Lhatoo received his basic medical training from the University of Delhi's Maulana Azad Medical College in 1991. He completed his residency in Internal Medicine at the Postgraduate Institute of Medical Education and Research, Chandigarh in 1994 and obtained his Membership of the Royal College of Physicians, London in 1995. He trained in Neurology at the Radcliffe Infirmary at Oxford, Frenchay Hospital in Bristol and the National Hospital for Neurology and Neurosurgery (NHNN) at Queen Square in London, UK. He received his board certification (UK) in Neurology in 2002 and trained in epilepsy with a two-year fellowship at NHNN and a further epilepsy research fellowship in EEG at the Cleveland Clinic Foundation. Dr. Lhatoo also has an MBA from the Cleveland Clinic Weatherhead Executive MBA program. Dr. Lhatoo joined the faculty at Case Western Reserve University in 2010. He was recruited in December 2018 to McGovern Medical School as Visiting Professor and Executive Vice Chair with the Department of Neurology. Dr. Lhatoo also serves as Director of the Texas Comprehensive Epilepsy Program (TCEP) and Co-Director of the Texas Institute of Restorative Neurotechnologies.

LINDA M. LIAU, MD, PhD, MBA

Professor and the W. Eugene Stern Chair
Chair & Executive Medical Director, Department of Neurosurgery
David Geffen School of Medicine & UCLA Health

Dr. Linda M. Liau is Professor and W. Eugene Stern Chair of the Department of Neurosurgery at the David Geffen School of Medicine at UCLA. She is Co-Director of the UCLA Brain Tumor Center, and Principal Investigator and Director of the NCI-designated UCLA Brain Tumor SPORE (Specialized Program of Research Excellence). She served as a Board Director of the American Board of Neurological Surgery (2014 – 2020) and was the first woman Chair of the ABNS (2019-2020). She was also the first woman President of the Western Neurosurgical Society (WNS). Dr. Liau has been continuously funded by the National Institutes of Health (NIH) for the past 25 years. She has been the mentor of several NIH training grants for residents, fellows, and postdoctoral researchers in her laboratory. Her research interests include translational experimental therapeutics of cell-based immunotherapy for brain tumors and the characterization of biomarkers of response to immune-based therapies. She is internationally recognized for her achievements in understanding the immunobiology of malignant brain tumors and pioneering the use of dendritic cell-based vaccines for glioblastoma. Dr. Liau has authored over 230 peer-reviewed research articles, along with several book chapters, and a textbook entitled Brain Tumor Immunotherapy. She is on the editorial boards of several scientific/medical journals and was the Editor-in-Chief of the Journal of Neuro-Oncology (2007–2018). In 2018, she was elected to the National Academy of Medicine (NAM).

RUSSELL LONSER, MD

Professor and Chair of the Department of Neurological Surgery
Ohio State University

Russell R. Lonser, M.D., is Professor and Chair of the Department of Neurological Surgery at Ohio State University in 2012. He holds the Dardinger Family Chair in Neurosurgical Oncology. Dr. Lonser's research interests include development of gene therapy delivery paradigms for the treatment of central nervous system diseases, including tumors, neurodegenerative disorders, trauma, epilepsy, metabolic disorders and addiction.

ELAN D. LOUIS, MD

Professor and Chair of the Department of Neurology
UT Southwestern Medical Center

Elan Louis, M.D., is Professor and Chair of the Department of Neurology at UT Southwestern Medical Center. He specializes in disorders of involuntary movement and is considered the world's leading scholar in essential tremor (ET). Dr. Louis earned his medical degree at Yale University and a master's degree in epidemiology at Columbia University. He completed a residency in neurology at Columbia-Presbyterian Medical Center and then received advanced training in movement disorders and neuroepidemiology through fellowships at Columbia University. Dr. Louis served in Yale University's Department of Neurology from 2015 to 2020 as a tenured Professor of Neurology and Epidemiology, Chief of the Movement Disorders Division, Associate Chair of Outpatient Clinical Research, and Co-Director of the Center for Neuroepidemiology and Clinical Neurological Research. Prior to that, he was a tenured Professor of Neurology and Epidemiology at Columbia University's College of Physicians and Surgeons, where he was also the Associate Chairman for Academic Affairs and Faculty Development. Certified by the American Board of Psychiatry and Neurology, Dr. Louis joined the UT Southwestern faculty in 2020. Dr. Louis's research focuses on the genetics, epidemiology, and pathophysiology of tremor disorders. Dr. Louis established the Essential Tremor Centralized Brain Repository – a national centralized brain bank for the study of ET. He is the founding Editor-in-Chief of Tremor and Other Hyperkinetic Movements, and he serves on the editorial board of more than 10 other scholarly journals and is also the editor of Merritt's Textbook of Neurology. Dr. Louis has served on the International Essential Tremor Foundation, the Tremor Action Network, and HopeNET, and he is a member of the American Academy of Neurology, the American Neurological Association, and the International Parkinson and Movement Disorder Society.

FACULTY and SPEAKER BIOGRAPHIES

BOSTON, MA MARCH 7-9, 2024

WILLIAM MACK, MD

Professor of Neurosurgery
University of Southern California

William Mack William Mack is Professor of Neurosurgery, Vice Chair of Academic Affairs, and a faculty member of the Neuroscience Graduate Program at University of Southern California. His area of clinical focus is endovascular and open surgical management of patients with cerebrovascular disease. Dr. Mack received his bachelor's degree from Cornell University. He then attended Columbia University, College of Physicians and Surgeons, where he graduated from medical school and completed Neurosurgical residency training. During residency, he spent one year as a post-doctoral cerebrovascular research fellowship under Drs. David J. Pinsky and E. Sander Connolly Jr. at Columbia University. Following residency, Dr. Mack completed an Interventional Neuroradiology fellowship at UCLA. Dr. Mack is the Principal Investigator and Director of the Cerebrovascular Laboratory in the Zilkha Neurogenetic Institute. His overarching academic goal is to examine the effects of inflammation in experimental models of cerebrovascular disease. Dr. Mack is currently the Principal Investigator on active NIH (R01, P01, R21, R25) grants. He serves on the National Advisory Council for the Neurosurgery K12 Neurosurgeon Research Career Development program. Dr. Mack is the Past President of the Society of Neurointerventional Surgery and the Chair of the Cerebrovascular section of the Congress of Neurological Surgeons/ American Association of Neurological Surgeons. He is an Associate Editor of the *Journal of Neurointerventional Surgery,* and an Editorial Board member for the *Journal of Neurosurgery* and *World Neurosurgery*. Dr. Mack is a Charter member of the NIH/ NINDS NST-1 study section and a member of the AHA Stroke Scientific Statement Oversight Committee.

PAGE PENNELL, MD

Henry B. Higman Professor of Neurology and Chair of the Department of Neurology
University of Pittsburgh School of Medicine
University of Pittsburgh Medical Center

Dr. Page Pennell is Henry B. Higman Professor of Neurology and Chair of the Department of Neurology at the University of Pittsburgh School of Medicine and University of Pittsburgh Medical Center (UPMC). She is a clinician investigator with a focus on women's health in epilepsy. Her current clinical studies focus on the effects of hormones on seizure provocation, pharmacokinetic changes of anti-seizure medications (ASMs) with exogenous hormones or differing reproductive phases, and maternal and fetal outcomes during pregnancy in women with epilepsy. Collaborative, multi-center studies have included funding from industry, non-profit foundations, and National Institutes of Health (NIH). She is multi-Principal Investigator of the NINDS-funded, multi-center, prospective cohort U01 study, Maternal Outcomes and Neurodevelopmental Effects of AEDs (MONEAD), the NICHD-funded R01 study "Physiological-based Pharmacokinetics Approach to Determine the Extent of Antiseizure Medications during Pregnancy and Breastfeeding," and the NINDS-funded R25 "Neurology, Neurosurgery, and Neuropathology Pittsburgh Research Education Program (N3-PREP)." Dr. Pennell has served as President of the American Epilepsy Society and on the Board of Directors for several organizations, including the American Epilepsy Society and the Epilepsy Foundation. She has been elected as an Ambassador for Epilepsy by the International League Against Epilepsy. She has contributed over 15 book chapters and been guest editor of publications focusing on neurology illnesses and pregnancy, and she has published over 150 peer-reviewed articles in the field.

PIER PERUZZI, MD, PhD

Assistant Professor of Neurosurgery
Harvard Medical School

Dr. Peruzzi is an Assistant Professor in the Department of Neurosurgery. He holds an appointment as an attending clinical neurosurgeon, as well as a principal investigator in the neuro-oncology research laboratories at the Brigham and Women's Hospital. Dr Peruzzi works together with a dedicated support team to provide the best, most timely and compassionate care to patients suffering from neurological disorders, particularly malignant brain tumors. Dr. Peruzzi leads a molecular biology laboratory focused in basic research to find a cure to malignant brain tumors and is also involved in multiple clinical trials for the treatment of brain tumors at the BWH, including oncolytic virotherapy and the use of novel microdevices to guide personalized chemotherapy to patients with brain cancers. Dr Peruzzi has been continuously supported by NIH funding for his laboratory research since he joined the staff at the Brigham. He has received the Neurosurgery Research and Education Foundation fellowship by the American Association of Neurological Surgeons, as well as the prestigious American Academy of Neurological Surgery Award.

ANN PODURI, MD, MPH

Professor of Neurology, Harvard Medical School
Associate Chief for Academic Development, Department of Neurology
Diamond Blackfan Chair in Neuroscience Research
Boston Children's Hospital

Dr. Annapurna Poduri is a Child Neurologist and Epileptologist at Boston Children's Hospital, where she directs the Epilepsy Genetics Program and Program in Neurogenetics. She received her medical degree from the University of Pennsylvania School of Medicine, her MPH at the Harvard School of Public Health, and residency training at Boston Children's Hospital and the Children's Hospital of Philadelphia. Her research program in the Boston Children's Hospital Department of Neurology and the F.M. Kirby Neurobiology Center focuses on epilepsy genetics, from genetic causes of epilepsy in patients to translational models of neurodevelopmental conditions.

FACULTY and SPEAKER BIOGRAPHIES

BOSTON, MA MARCH 7-9, 2024

SCOTT POMEROY, MD, PhD

Bronson Crothers Professor of Neurology
Harvard Medical School
Chair of the Department of Neurology
Boston Children's Hospital

Dr. Pomeroy is the Bronson Crothers Professor of Neurology at Harvard Medical School and Chair of the Department of Neurology at Boston Children's Hospital. He graduated from Miami University and was the first graduate of the M.D., Ph.D. program of the University of Cincinnati. He trained in pediatrics at Boston Children's Hospital and in child neurology at St. Louis Children's Hospital/Washington University. In 1989, he won the Child Neurology Society Young Investigator Award for work done as a postdoctoral fellow with Dr. Dale Purves. Dr. Pomeroy's lab focuses on understanding the molecular and cellular bases of medulloblastomas and other embryonal brain tumors. Using integrative genomics, his group has found that medulloblastomas are quite heterogeneous, consisting of multiple molecular subgroups that each have unique gene expression and DNA copy number signatures reflecting the mechanisms that regulate tumor growth. The subgroups also have unique outcomes, which enables the use of molecular signatures to more accurately predict outcome. Molecular classification of medulloblastomas has been adopted by the World Health Organization and is being used in clinical trial design throughout North America and Europe. Dr. Pomeroy has received numerous awards, including the Sidney Carter Award, the Daniel Drake Medal, the Compassionate Caregiver Award of the Kenneth Schwartz Center, and membership of the National Academy of Medicine.

BRENDA PORTER, MD, PhD

Professor of Neurology and Pediatrics
Stanford University

Brenda E. Porter, MD, Ph.D. is a Professor of Neurology and Pediatrics at Stanford University. She received her MD and Ph.D. from Washington University in St. Louis. She traveled east to complete her child neurology fellowship at the Children's Hospital of Philadelphia. She went on to complete a combined clinical and research fellowship in epilepsy. Dr. Porter developed an interest in difficult-to-treat epilepsy, with a special focus on children with neuronal developmental disorders leading to epilepsy such as tuberous sclerosis and focal cortical dysplasia. Her clinical research focuses on improving outcomes in epilepsy surgery, increasing parental understanding of epilepsy and the role epilepsy surgery plays in treatment. She enjoys working in her lab studying the molecular and cellular changes that contribute to the development of epilepsy. Her research has shown that suppression of CREB a transcription factor can decrease the severity of epilepsy and is hoping to expand on this finding and someday turn her research findings into a therapeutic strategy for preventing epilepsy.

GEORGE B. RICHERSON, MD, PhD

Roy J. Carver Chair in Neuroscience and Professor and Chairman,
Department of Neurology, University of Iowa

Dr. Richerson is Professor and Chairman of Neurology, and The Roy J. Carver Chair in Neuroscience at the University of Iowa. He received a B.S. in aerospace engineering from Iowa State University in 1980, and an M.D. and Ph.D. in physiology and biophysics from the University of Iowa in 1987. He trained in neurology at Yale University, where he spent 19 years as a faculty member, including 15 years as Neurology Residency Program Director. Dr. Richerson performs research on rodent models focused on the neurobiology of serotonin neurons and their role in control of breathing and arousal. These neurons are sensors of CO2 and pH and are involved in the pathophysiology of sudden unexpected death in epilepsy (SUDEP) and sudden infant death syndrome. Dr. Richerson has had continuous funding from the NIH since 1995, and has trained more than 55 students, residents, and fellows in his basic science laboratory. He has founded two residency research tracks, one at Yale and the other at Iowa, which provide integration of research and clinical training for physician-scientists. These programs have led to the successful training of many academic neurologists who have gone on to obtain K awards and R01s as well as independent faculty positions.

MICHAEL ROGAWSKI, MD, PhD

Distinguished Professor of Neurology and Pharmacology
University of California, Davis School of Medicine

Michael A. Rogawski is distinguished professor of neurology and pharmacology at the University of California, Davis School of Medicine, where he served as chair of the Department of Neurology until 2012. Prior to his appointment at UC Davis, he was senior investigator and chief of the Epilepsy Research Section at the National Institute of Neurological Disorders and Stroke. Dr. Rogawski's research encompasses cellular neurophysiological studies of ion channels, studies on the actions of antiseizure medications in animal models, and clinical trials. His laboratory studies on AMPA receptors and neuroactive steroids have led to new treatment approaches for epilepsy and seizures. Dr. Rogawski has received the NIH Director's Award, the ASPET Epilepsy Research Award, the American Academy of Neurology Neuroendocrine Research Award, and the UC Davis Chancellor's Innovator of the Year award. He is a fellow of the American Neurological Association, the American Association for the Advancement of Science (cited for distinguished contributions in the fields of neuroscience, neuropharmacology and neurology, particularly applied to the treatment of epilepsy), and the National Academy of Inventors. Dr. Rogawski has served as an editor and editorial board members of many journals in neuroscience and pharmacology. He was awarded a B.A. (biophysics) from Amherst College, and an M.D. and Ph.D. (pharmacology) from Yale University. He completed residency training in neurology at the Johns Hopkins Hospital.

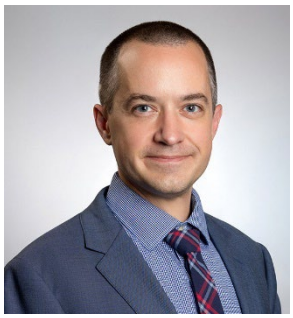
FACULTY and SPEAKER BIOGRAPHIES

BOSTON, MA MARCH 7-9, 2024

CAITLIN ROLLINS, MD, SM

Assistant Professor of Neurology, Harvard Medical School
Director for Boston Children's Hospital's Cardiac Neurodevelopmental Program

Dr. Rollins is Assistant Professor of Neurology at Harvard Medical School and the Director for Boston Children's Hospital's Cardiac Neurodevelopmental Program where she cares for children with congenital heart disease from infancy into adulthood. As an NIH-funded clinical researcher, her work lies at the intersection of neurology and cardiology, using MRI as a tool to understand mechanisms of neurodevelopmental impairment in children with congenital heart disease. Her most recent work has been focused on the association of brain MRI findings in the fetal period with outcome.



JOHN ROLSTON, MD, PhD

Director of the Mapping & Engineering Neural Dynamics (MEND) Laboratory
Associate Professor
Harvard Medical School

Dr. John Rolston is a neurosurgeon and neuroscientist at Brigham & Women's Hospital in Boston, Massachusetts, recognized internationally for his contributions to epilepsy surgery and movement disorder surgery. Before moving to Brigham & Women's, he served as the Director of Epilepsy Surgery and the Director of Stereotactic and Functional Neurosurgery at the University of Utah from 2017 to 2022. Dr. Rolston received his Bachelor's degree from Columbia University, where he won the Russell Mills Award for Excellence in Computer Science. For his PhD, he developed brain-computer interfaces for epilepsy at the Georgia Institute of Technology and Emory University. He received an MD from Emory University before completing his residency training and post-doctoral fellowship at the University of California, San Francisco. Dr. Rolston's NIH-funded laboratory investigates how neural engineering can be used to map and ultimately rewire the diseased brain. The same tools can be used to better understand neural information processing and how it is disordered in illnesses like epilepsy, Parkinson's, and psychiatric disease. Dr. Rolston ardently promotes patient safety in neurosurgery and has led several studies examining the frequency and causes of neurosurgical errors and complications. He has over 100 publications and has received numerous awards, such as the University of California's Harold Rosegay Award for teaching and the Congress of Neurological Surgeons' Basic Science Award for Stereotactic and Functional Neurosurgery.

M. ELIZABETH ROSS, MD, PhD, FANA

President
American Neurological Association

Dr. M. Elizabeth Ross is the Nathan Cummings Professor and Head of the Laboratory of Neurogenetics and Development. She Directs the Center for Neurogenetics (CNG) and Chairs the Neuroscience Graduate Program at Weill Cornell Medicine. Dr. Ross received her M.D. from Cornell University Medical College, Ph.D. from Cornell University Graduate School of Medical Sciences, her residency training in Neurology at Massachusetts General Hospital, Harvard Medical School, and fellowships in molecular genetics at Harvard and Rockefeller University. Dr. Ross directs the CNG in the Brain and Mind Research Institute, Weill Cornell Medicine, which supports research into the genetic causes of neurological disorders in children and adults. The Center has both basic science and clinical arms, evaluating patients with neurological disorders attributable to a single gene mutation or requiring multi-gene interactions and operates the biobank for the neurological community at Weill Cornell. Neuroscientist faculty in the Center investigate the mechanisms underlying pathogenesis of these conditions. Her own research group, the Laboratory of Neurogenetics and Development, focuses on the discovery of gene mutations associated with brain malformations and investigation of how these genes direct the construction of the brain. Three major projects encompass: 1) genetic interactions that lead to spina bifida, 2) cell cycle regulation and its role in growth and cellular patterning of brain, and 3) regulation of neuronal movement, synapse formation and turnover that are critical to the function of developing and aging brain. These three areas of study are approached from both a basic science perspective, using biochemical, cell biological and mouse genetic tools, and clinical genetics, pursuing how an altered gene-or several genes together-causes impaired brain function. This is the essential first step to finding improved therapies tailored to the individual patient. Dr. Ross is currently President of the American Neurological Association (2023-2025) and has served on several committees for the ANA including the Annual Meeting Programming Committee which is tasked with planning the Annual Meeting of the ANA.

LAUREN SANSING, MD, MS, FAHA, FANA

Professor of Neurology, Vice Chair of Faculty Affairs; Vice-Chair of Faculty Affairs, Neurology
Yale School of Medicine

Dr. Sansing completed her residency in Neurology in 2006 followed by a Vascular Neurology fellowship from 2006-2008, both at the Hospital of the University of Pennsylvania. Her clinical interests include acute ischemic stroke and intracerebral hemorrhage as well as other complex neurovascular diseases. Following clinical training, she completed a Master of Science in Translational Research at Penn studying immune mechanisms of injury after intracerebral hemorrhage. She then joined the faculty at the University of Connecticut and Hartford Hospital in 2010, where she was active in the Departments of Neurology, Neuroscience, Neurosurgery, and Immunology. Dr. Sansing came to Yale in the summer of 2014, where she continues her work in cerebrovascular diseases and neuro-inflammation through basic, translational, and clinical studies. She leads a NIH-funded laboratory identifying immunological treatment targets for stroke, intracerebral hemorrhage, vascular cognitive impairment and dementia. She has received numerous national and international awards for her research, including the Established Investigator Award from the American Heart Association, the Derek Denny-Brown Neurological Scholar Award from the American Neurological Association, the Michael S. Pessin Stroke Leadership Award from the American Academy of Neurology, and is an elected member of the Henry Kunkel Society and the American Society for Clinical Investigation.

CLIFFORD B. SAPER, MD, PhD

James Jackson Putnam Professor of Neurology and Neuroscience, Harvard Medical School, and Department of Neurology, Beth Israel Deaconess Medical Center

Dr. Clifford B. Saper received his M.D. and Ph.D. degrees and did his internship in internal medicine at Washington University School of Medicine in St. Louis, before doing a neurology residency at Cornell University Medical Center- New York Hospital. He then joined the faculty of Washington University School of Medicine where he served from 1981-1985 as Assistant and then Associate Professor of Neurology and Anatomy and Neurobiology. He moved to the University of Chicago, where from 1985-1992 he was an Associate Professor, then William D. Mabie Professor of Physiology and Neurology, and Chairman of the Committee on Neurobiology. In 1992, he moved to Harvard Medical School, where he is the James Jackson Putnam Professor of Neurology and Neuroscience. From 1992-2021 he also served as Chairman of the Harvard Department of Neurology at Beth Israel Deaconess Medical Center. Dr. Saper served from 1994-2011 as the Editor-in-chief of the *Journal of Comparative Neurology* and from 2014-2021 as the Editor-in-Chief of *Annals of Neurology*. He has served as Vice President and Councilor of the American Neurological Association and has served on the Publications Committee and has chaired the Program Committee of both that organization and the Society for Neuroscience. Dr. Saper has received a Javits Neuroscience Investigator Award from the NIH and was named one of the 100 most frequently cited neuroscientists by the Institute for Scientific Information. He has received distinguishing awards from the University of Illinois, the Sleep Research Foundation, the American Academy of Neurology, the Netherlands Brain Research Institute, and the International Federation for Clinical Neurophysiology. Dr. Saper was elected to the National Academy of Medicine and has been named a Fellow of the American Academy of Neurology, the American Association for the Advancement of Science, and the Royal College of Physicians (London) and a member of the American Association of Physicians. Dr. Saper's research explores circuitry of the brain that controls basic functions such as wake-sleep cycles, thermoregulation, and immune and stress responses, and how these circuits are disrupted in neurological disorders, such as Parkinson's disease, and in sleep disorders such as narcolepsy and sleep apnea, and during aging.

RAYMOND F. SEKULA JR., MD

Professor of Neurological Surgery
Director of Cranial Nerve Disorder Center
Columbia University Irving Medical Center

Dr. Sekula is one of the world's foremost leaders in minimally invasive brain surgery. His world-renowned practice is devoted exclusively to cranial nerve disorders (i.e., including trigeminal neuralgia, hemifacial spasm, glossopharyngeal neuralgia), acoustic neuroma and other skull base disorders, and endoscopic management of intraventricular tumors. Each year, he performs more than 500 neurosurgical operations, including 200 microvascular decompressions. During his career, he has performed more than 2,000 microvascular decompression surgeries. After receiving his undergraduate degree from The University of Virginia and his medical degree from Georgetown University School of Medicine, Dr. Sekula completed his internship and residency training in Pittsburgh, Pennsylvania, where he also completed his fellowship training in cranial nerve and skull base surgery. Prior to Columbia, Dr. Sekula was Professor and Residency Program Director at the University of Pittsburgh, Department of Neurological Surgery. Dr. Sekula's prolific academic career includes writing over 100 scientific manuscripts, including editing of the textbook, "Microvascular Decompression Surgery." He is Principal Investigator of a study concerning trigeminal neuralgia investigating fundamental mechanisms of facial pain from the National Institutes of Health. Dr. Sekula's international outreach includes co-founding the World Federation of Cranial Nerve Disorders in 2016. He is a member of the medical advisory board of the Facial Pain Association, an international association dedicated to helping patients with facial pain of all types.

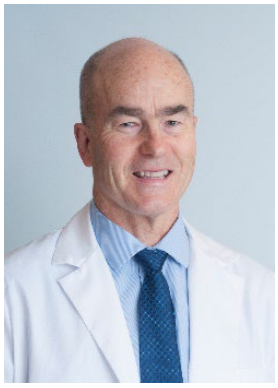
ASHISH SHAH, MD

Assistant Professor of Neurological Surgery
University of Miami, Miller School of Medicine

Dr. Shah is Assistant Professor of Neurological Surgery at the University of Miami Miller School of Medicine. He received his medical degree from the University of Miami Medical School and completed his neurosurgical internship and residency at the University of Miami/Jackson Memorial Hospital, followed by a fellowship in Surgical Neuro-Oncology at the University of Miami. Following residency, Dr. Shah completed another fellowship in Translational Neuro-Oncology at the NIH within the Surgical Neurology Branch where he specialized in clinical trials for brain tumors. As Director of Clinical Trials and Translational Research within the University of Miami Brain Tumor Initiative, Dr. Shah's main clinical interests include surgical and radio surgical treatment of primary and metastatic brain tumors as well as pituitary lesions and meningiomas. He is a specialist in minimally invasive approaches to brain tumors utilizing cutting-edge techniques. Dr. Shah is currently serving as principal investigator for the Section of Virology and Immunotherapy and Director of clinical trials and translational research in the UMBTI. The laboratory goal is to develop novel treatment options for brain tumors including virotherapies, immunotherapies, and targeted molecular therapeutics. He is a member of the Society of Neuro-oncology, American Association of Neurological Surgery and the Congress of Neurological Surgery. Aside from his clinical work, Dr. Shah is deeply invested in mitigating global health disparities.

FACULTY and SPEAKER BIOGRAPHIES

BOSTON, MA MARCH 7-9, 2024



KEVIN STALEY, MD

Joseph P. and Rose F. Kennedy Professor of Child Neurology and Mental Retardation
Harvard Medical School
Chief of the section of Child Neurology
Massachusetts General Hospital

Kevin Staley is the Joseph P. and Rose F. Kennedy Professor of Child Neurology and Mental Retardation at Harvard Medical School and the chief of the section of child neurology at Massachusetts General Hospital. He trained in physics, medicine, pediatric neurology and cellular electrophysiology. The lab has a longstanding interest in signaling by the neurotransmitter GABA. GABA signals are carried by anion currents that are uniquely reversible. We study how and why these signals reverse, how these reversals may engender seizures, and how the direction of GABA currents can be manipulated to prevent seizures. These studies form the basis for a recently published trial of the chloride transport inhibitor bumetanide for neonatal seizures. We have recently extended these efforts to studies of acute ion and fluid shifts that underlie brain swelling, intraventricular hemorrhage, and seizures after injury. To link GABA changes to seizures, we also study the mechanisms by which epileptic activity is initiated and spread. Computational models are being tested using new imaging and optical stimulation methods.

NITIN TANDON, MD

Neurosurgeon
Professor
Vivian L. Smith Department of Neurosurgery
McGovern Medical School, UTHealth Houston

Nitin Tandon, MD, is a professor of neurosurgery at McGovern Medical School at UTHealth Houston. He is also currently chief of the epilepsy surgery program. Dr. Tandon has served as a clinician at UTHealth Houston since 2004 and has recently formed the Texas Institute for Restorative Neurotechnologies (TIRN) to study and develop new treatments for brain disorders, where he serves as co-director. He has performed over 4,000 brain operations, including more than 1,500 for brain tumors and 1,000 for epilepsy. Dr. Tandon specializes in the surgical treatment of epilepsy, brain tumors, and trigeminal neuralgia, and has pioneered a number of innovative technologies and minimally invasive approaches including robot-assisted stereo-electro-encephalography and laser ablation. In parallel, his research interests yield fundamental insights into the processes of cognition and epilepsy using intracranial recordings, non-invasive imaging data, and cortical stimulation. These discoveries will pave the way for innovative rehabilitative and neuro-prosthetic approaches to the resolution of brain disorders such as intractable epilepsy. Dr. Tandon's research is currently funded by several National Institutes of Health grants including a BRAIN initiative award, and by the NSF. He has authored over 75 peer reviewed publications in journals such as Nature Neuroscience, Brain and JAMA Neurology and is a member of several professional organizations. He is a clinical leader in the treatment of epilepsy, as well as an avid scientist delving into its underlying causes and future therapies.

MICHAEL TENNEKOON, PhD

Health Program Specialist, Office of Training and Workforce Development
National Institute of Neurological Disorders and Stroke, National Institutes of Health

Dr. Tennekoon joined NINDS as a Health Program Specialist in May 2018. He earned his Ph.D. in Neuroscience from Northwestern University with support from a NINDS T32 funded training program. Subsequently, he received postdoctoral training at the National Institute for Drug Abuse in Baltimore. Dr. Tennekoon's research interests involved comparing differences in reward circuitry between healthy individuals and individuals who have maladaptive behaviors, such as smoking and other highly impulsive actions. He has used multifaceted approaches, including pharmacological and behavioral manipulations, MRI, and genetic studies to examine these underlying neural circuits. Throughout his career, Dr. Tennekoon has had a passion for training and has been involved in several career development symposia, workshops, and other training related activities.

TISH WEIGAND, PhD

Deputy Director of the Office of Training and Workforce Development
National Institute of Neurological Disorders and Stroke, National Institutes of Health

Tish Weigand, Ph.D. is the Deputy Director of the Office of Training and Workforce Development at NINDS. Dr. Weigand's career in science has hit the trifecta of academia, government, and industry. She began at the lab bench conducting research at the intersection of neuroscience, physiology and immunology, after which she entered government service at NINDS as a program analyst and manager in the Training Office. There she oversaw institutional training programs and many other initiatives for a number of years before moving on to work in the pharmaceutical industry as a Medical Science Liaison for UCB, serving as a regional expert on the science underlying the company's epilepsy portfolio. She recently made her return to NINDS to create and lead programs that support research training and career development for graduate students, postdocs, and early career physician scientists. Dr. Weigand holds a PhD from John Hopkins University and completed a postdoctoral training in neuroscience at George Washington University. She is passionate about preparing and equipping the next generation of scientists and professionals for success. Throughout her career she has served as a speaker and mentor throughout the biomedical and neuroscience communities. Dr. Weigand spends much of her free time sharing outdoor adventures with her husband and their three kids.

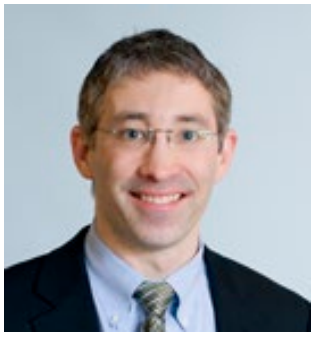
FACULTY and SPEAKER BIOGRAPHIES

BOSTON, MA MARCH 7-9, 2024

JONATHAN WEINSTEIN, MD, PhD

Professor, Neurology
University of Washington

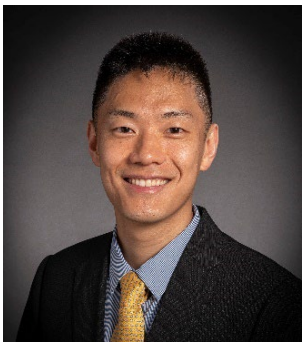
Dr. Weinstein is a clinician scientist with a focus on stroke at both the basic science and clinical levels. He has developed an independent NIH-funded research program focusing on the role of microglia and innate immune cell signaling pathways in the robustly protective ischemic preconditioning (IPC) phenomenon. His laboratory combines *in vivo* and *in vitro* methodologies to study IPC including multiple ischemia models for stroke and IPC, *ex vivo* flow cytometry/sorting, transcriptomic profiling of innate immune cells, single cell RNA seq, immunofluorescent microscopy, quantitative stereology and electrophysiology. Using these paradigms, Dr. Weinstein has demonstrated key roles for microglial type 1 interferon (IFN) signaling in IPC. He has also developed a novel model of IPC in white matter. His training included medical scientist training program (MSTP) at UC Irvine as well as neurology residency and stroke fellowship at UW (completed in 2007). His clinical work includes supervising in-patient attending for care of stroke and intracranial hemorrhage patients on the neurology/neurocritical care service at UW/Harborview Medical Center. He is also the director of the UW Neurology Residency Research Track Program and co-PI for a newly resubmitted institutional R25 from UW Neurology/Neurosurgery.



ZIV WILLIAMS, MD

Associate Professor of Neurosurgery
Harvard Medical School
Massachusetts General Hospital

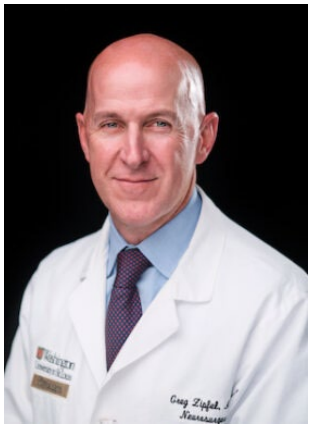
Ziv Williams is an associate professor in neurosurgery at Massachusetts General Hospital, Harvard Medical School and is faculty at the Harvard-MIT division of health sciences and technology. Using an array of techniques in both animal models and humans, his main focus has been to investigate social cognition at the basic cellular level and to develop novel treatments for abnormal social behavior through neuro-modulatory and genetic techniques.



RISHENG XU, MD, PhD

Assistant Professor of Neurosurgery and Assistant Program Director
Johns Hopkins School of Medicine

Risheng Xu is an Assistant Professor of Neurosurgery and Assistant Program Director at Johns Hopkins. He treats patients with skull base pathology and cerebrovascular conditions using both open and endovascular techniques. His PhD doctoral training explored mechanisms of higher inositol phosphate biology and its roles in neuronal cell death and plasticity. During his residency, he was supported by the NREF and R25 investigating molecular mechanisms underlying trigeminal neuralgia. His current research focuses on mechanisms of neuroinflammation after stroke and is supported by the K08 mechanism.



GREGORY ZIPFEL, MD

Chair and Ralph G. Dacey Distinguished Endowed Professor of Neurosurgery
Washington University School of Medicine

Gregory J. Zipfel was born in Peoria, IL on February 2, 1969. He received his B.S. degree from the University of Illinois in 1991 and his M.D. degree from Northwestern University in 1995. He served as a neurosurgery resident at the University of Florida. He also completed a post-doctoral research fellowship at Washington University in St. Louis in the world-renowned brain ischemia laboratory of Dr. Dennis Choi. Following training, Dr. Zipfel was recruited to Washington University in St. Louis in 2004. He was promoted to Associate Professor in 2011, Professor in 2015, and Chair of the Department in 2019. In addition, he serves as neurosurgeon-in-chief at Barnes-Jewish Hospital and is the inaugural holder of the Ralph G. Dacey Distinguished Endowed Chair at Washington University. Dr. Zipfel focuses his practice on the surgical management of cerebrovascular disease and skull base tumors. He also directs the Cerebrovascular Research Program in the Department of Neurosurgery at Washington University. This program has three primary areas of interest: 1) Examining the impact of vascular oxidative stress on Alzheimer's disease, vascular dementia, and other cognitive disorders; 2) Exploring the molecular basis and developing novel therapeutics for subarachnoid hemorrhage-induced brain injury; and 3) Determining and classifying the pathophysiology, natural history, and treatment of dural arteriovenous fistulae. Dr. Zipfel is also a dedicated neurosurgical educator and leader. He has served as visiting professor at >25 universities, was member and co-chair of the editorial board of the Journal of Neurosurgery, served as Chair of the Joint Cerebrovascular Section of the AANS/CNS, and is currently serving in several leadership roles in the Society of Neurological Surgeons, the American Academy of Neurological Surgery, and the Neurosurgery Research and Education Foundation.

2024 NINDS R25 GRANTEE WORKSHOP

TALKS SESSION 1 Friday, 11:30am – 12:30pm

BOSTON, MA MARCH 7-9, 2024

Location	*Time*	*Name*	*Title of Talk*	*Assigned Faculty*	*Assigned Participants*
Rotunda	11:30-11:45	Andrews, John	Optogenetic modulation of epileptiform activity in human hippocampus	Dr. Detre Dr. Lhatoo Dr. Mack Dr. Pennell Dr. Poduri Dr. Porter Dr. Rollins Dr. Staley	Dr. Brent Dr. Filappatou Dr. Hardigan Dr. Hickman Dr. Lu, R. Dr. Luna Dr. McGarry Dr. Moor Dr. Muftuoglu Dr. Rincon Torroella Dr. Rosenberg Dr. Sun Dr. Tang Dr. Yoh
	11:45-12:00	Hadar, Peter	Mapping the Structural and Functional Networks of MRI-Negative Temporal Lobe Epilepsy		
	12:00-12:15	Chiang, Sharon	Circuit mechanisms of altered memory consolidation in temporal lobe epilepsy		
	12:15-12:30	Villa, Genaro	Assessing Tumor-Associated Macrophage Plasticity Regulation by HNRNPH1 to Augment Adaptive Antitumor Immune Responses in Glioblastoma		
Room 214	11:30-11:45	Furey, Charuta	Characterizing glioma evolution through longitudinal cerebrospinal fluid liquid biopsy in a Phase 0/2 clinical trial of niraparib for newly-diagnosed glioblastoma	Dr. Chen Dr. Carmichael Dr. Kessler Dr. Levitt Dr. Liau Dr. Pomeroy Dr. Ross Dr. Sansing	Dr. Bargiela Dr. Brooker Dr. Duskin Dr. Hammer Dr. Huynh Dr. Lindquist Dr. McGinnis Dr. Mo Dr. Mukherjee-Clavin Dr. Nguyen Dr. Rosenthal Dr. Xu Dr. Wilcox Dr. Zima
	11:45-12:00	Lucke-Wold, Brandon	IL-6 modulation for subarachnoid hemorrhage to prevent vasospasm		
	12:00-12:15	Carroll, Kate	Effect of CRHR1 genotype on cortisol regulation and development of depression after aneurysmal subarachnoid hemorrhage		
	12:15-12:30	Pappalardo, Laura	Microglial-derived nanoscale biomarkers of traumatic brain injury		

TALKS SESSION 1 Friday, 11:30am – 12:30pm

BOSTON, MA MARCH 7-9, 2024

Location	*Time*	*Name*	*Title of Talk*	*Assigned Faculty*	*Assigned Participants*
Room 216	11:30-11:45	Brown, Christopher	Prediction of heterogenous tau pathology spread in humans using individualized epicenters and white matter pathways	Dr. Braley Dr. Cash Dr. Hillis Dr. Kuo Dr. Louis Dr. Saper Dr. Zipfel Dr. Hinman	Dr. Albertson Dr. Asuzu Dr. Bowen Dr. Cavaleri Dr. Divakaruni Dr. Flavin Dr. Guo Dr. Jimenez Dr. Patel Dr. Pinarbasi Dr. Ramani Dr. Rudman Dr. Liu Dr. Taga
	11:45-12:00	Hammer, Lauren	Neurophysiologic Signatures of Essential Tremor and Implications for Deep Brain Stimulation		
	12:00-12:15	Marcott, Pamela	Dissecting neural circuits associated with sleep disturbances in Parkinson's disease		
	12:15-12:30	Lehner, Kurt	Insights into Basal Ganglia and Cerebellar Interactions from High Density Neural Recordings		
Room 217	11:30-11:45	Huang, Danny	Intracranial mapping of human emotional and mood states across contexts and timescales	Dr. Hadjipanayis Dr. Josephson Dr. Khalessi Dr. Lonser Dr. Richerson Dr. Rogawski Dr. Sekula Dr. Tandon Dr. Williams	Dr. Chopra Dr. Essuman Dr. Florenda Dr. Gardin Dr. Herman Dr. Lee Dr. Lu, V. Dr. Michelassi Dr. Porras Dr. Perez Dr. Ye
	11:45-12:00	Timbie, Claire	Amygdala - nRT pathways in cognition and seizures		
	12:00-12:15	Munoz, William	Single-neuronal and cortical columnar dynamics underlying human language production.		
	12:15-12:30	Fitzgerald, Dennis	The role of the parabrachial nucleus in opioid-mediated respiratory depression		

2024 NINDS R25 GRANTEE WORKSHOP

TALKS SESSION 2 Friday, 2:15pm – 3:30pm

BOSTON, MA MARCH 7-9, 2024

Location	*Time*	*Name*	*Title of Talk*	*Assigned Faculty*	*Assigned Participants*
Rotunda	2:15-2:30	Brooker, Sarah	Effects of pathogenic LRRK2 and GBA variants on iPSC-derived microglia	Dr. Hadjipanayis Dr. Kessler Dr. Levitt Dr. Lhatoo Dr. Lonser Dr. Louis Dr. Pomeroy Dr. Rogawski Dr. Sekula	Dr. Conrad Dr. Florendo Dr. Furey Dr. Hickman Dr. Lehner Dr. Li Dr. Liu Dr. Marcott Dr. McGinnis Dr. Moor Dr. Taga Dr. Tang Dr. Villa Dr. Yoh
	2:30-2:45	Ramani, Biswarathan	Uncovering the role of the molecular co-chaperone DNAJC7 in protein homeostasis and neurodegeneration		
	2:45-3:00	Rincon Torroella, Jordina	MCT1 as a gate to pancreatic cancer treatment with ME3BP-7		
	3:00-3:15	Michelassi, Francesco	Mitochondrial Biogenesis as a Therapeutic Target in Paclitaxel Induced Peripheral Neuropathy		
	3:15-3:30	Muftuoglu, Yagmur	Overcoming Resistance to Tyrosine Kinase Inhibitors for Treatment of Chordoma		
Room 214	2:15-2:30	Nguyen, Mai	Inflammatory mediators of post-stroke neuritic injury	Dr. Chen Dr. Detre Dr. Hillis Dr. Hinman Dr. Josephson Dr. Sansing Dr. Staley Dr. Zipfel	Dr. Bargiela Dr. Carroll Dr. Fitzgerald Dr. Hadar Dr. Hammer Dr. Huynh Dr. Lu, V. Dr. Lucke-Wold Dr. Luna Dr. Pappalardo Dr. Zima
	2:30-2:45	Rosenthal, Joseph	Engineering a multimodal drug eluting polymeric stent for therapeutic modulation of the post-stroke environment in intracranial atherosclerosis disease		
	2:45-3:00	Wilcox, Douglas	Immune Regulation of the Blood-Brain Barrier		
	3:00-3:15	Duskin, Jonathan	Development of Accessible Precision Nutrition Interventions for Stroke and Dementia Prevention		
	3:15-3:30	Lindquist, Britta	The role of H+-sensitive NMDA receptors in spreading depolarization and ischemic injury		

TALKS SESSION 2 Friday, 2:15pm – 3:30pm

BOSTON, MA MARCH 7-9, 2024

Location	*Time*	*Name*	*Title of Talk*	*Assigned Faculty*	*Assigned Participants*
Room 216	2:15-2:30	Pinarbasi, Emile	Molecular features that distinguish between LATE-NC and FTLD-TDP	Dr. Braley Dr. Carmichael Dr. Liau Dr. Richerson Dr. Ross Dr. Saper Dr. Tandon	Dr. Albertson Dr. Bowen Dr. Brown Dr. Filappatou Dr. Jimenez Dr. Lu, R. Dr. Munoz Dr. Patel Dr. Porras Dr. Rosenberg Dr. Ye
	2:30-2:45	Flavin, Bill	Defining cellular factors that promote resilience against prion-like propagation of tau strains in Alzheimer's disease and related dementias		
	2:45-3:00	Guo, Michael	Short tandem repeats as a novel genetic driver of Alzheimer's disease		
	3:00-3:15	Rudman, Michelle	The adaptive immune system as a therapeutic target in tauopathy		
	3:15-3:30	Perez, Enmanuel	Role of Glial ApoE in Modulating Innate and Adaptive Immune Responses during Traumatic Neurodegeneration		
Room 217	2:15-2:30	Asuzu, David	Transcriptional and epigenetic drivers or Cushing's disease	Dr. Cash Dr. Khalessi Dr. Kuo Dr. Mack Dr. Pennell Dr. Poduri Dr. Porter Dr. Rollins Dr. Williams	Dr. Brent Dr. Andrews Dr. Cavaleri Dr. Chiang Dr. Chopra Dr. Divakaruni Dr. Essuman Dr. Hardigan Dr. Huang Dr. Lee Dr. McGarry Dr. Sun Dr. Timbie
	2:30-2:45	Gardin, Tova	Loss of Immune Tolerance in Paraneoplastic NMDAR Encephalitis: Identifying Molecular Drivers of Autoimmune CNS Disease		
	2:45-3:00	Mukherjee-Clavin, Bipasha	Mechanisms of Schwann cell dysfunction in PMP22-related diseases		
	3:00-3:15	Mo, Alisa	Somatic Mutations in Autism Spectrum Disorder		
	3:15-3:30	Herman, Wendy	Networks involved in Autism Spectrum Disorder Traits		

2024 NINDS R25 GRANTEE WORKSHOP

POSTER SESSION Friday, 5:00 pm - 6:00 pm

BOSTON, MA MARCH 7-9, 2024

	Name	*Institution*	*Poster Title*	*Assigned Faculty*
1	Albertson	University of Michigan	Timing and Proximity in age-related neurodegeneration	Dr. Hinman Dr. Brent
2	Bargiela	MGB	Metabolic modulation of T cell immunotherapy responses in glioblastoma multiforme	Dr. Sansing Dr. Xu
3	Bowen	Boston Children's Hospital	Regional metabolic dysfunction and neurodegeneration in a mouse model of mitochondrial disease	Dr. Carmichael Dr. Herson
4	Cavaleri	University of Southern California	Understanding the role of beta-oscillations in the human hippocampus during movement preparation and movement uncertainty	Dr. Kuo Dr. Tandon
5	Chopra	Washington University in Saint Louis	Exploring corticospinal network failure in a mouse model of amyotrophic lateral sclerosis (ALS)	Dr. Chen Dr. Cash
6	Divakaruni	Johns Hopkins	Regulation of dendritic calcium dynamics during long-term potentiation	Dr. Richerson Dr. Staley
7	Essuman	Massachusetts General Hospital	Somatic mutations in the Neurofibromatosis Type I brain	Dr. Pomeroy Dr. Poduri
8	Filippatou	Johns Hopkins	Immunological biomarkers in NMOSD and MOGAD	Dr. Carmichael Dr. Lhatoo
9	Florendo	University of California, Davis	In vitro delivery of ribonucleoprotein complex for gene therapy via engineered virus like particles	Dr. Lonser Dr. Braley
10	Kim	Johns Hopkins	PD-L1 reprograms blood monocytes to prevent cerebral edema and facilitate recovery after ischemic stroke	Dr. Saper Dr. Hadjipanayis
11	Hardigan	Duke University	Deciphering the epigenomic regulation of adaptive plasticity in glioblastoma	Dr. Ross Dr. Detre
12	Hickman	University of California, Los Angeles	Biomarker evidence of neurodegeneration in late-onset mesial temporal lobe epilepsy	Dr. Porter Dr. Conrad
13	Huynh	University of California, Los Angeles	The role of astrocyte dysfunction in Alzheimer's disease due to PLCG2 P522R genomic variation	Dr. Kessler Dr. Poduri

POSTER SESSION Friday, 5:00 pm - 6:00 pm

BOSTON, MA MARCH 7-9, 2024

	Name	*Institution*	*Poster Title*	*Assigned Faculty*
14	Jimenez	University of California San Francisco	corticothalamic dynamics in mediating motor memory consolidation during sleep	Dr. Braley Dr. Cash
15	Lammert	Johns Hopkins	Neurotransmitter metabolism and neonatal brain injury	Dr. Rollins Dr. Saper
16	Lee	University of California San Francisco	Functional cytoarchitecture of the human superior temporal gyrus	Dr. Detre Dr. Williams
17	Li	Massachusetts General Hospital	Precision Genome Editing for CSF1R-Related Leukoencephalopathy	Dr. Pomeroy Dr. Louis
18	Liu	University of Iowa	Investigating the Effect of Increasing Brain ATP on Tau Pathology in a Tauopathy Mouse Model	Dr. Hinman Dr. Zipfel
19	Lu. R	University of California San Francisco	Mechanisms of Progranulin and C9orf72 Deficiency Induced Autoimmunity and Neurodegeneration in Frontotemporal Dementia	Dr. Weinstein Dr. Tandon
20	Lu. V	University of Miami	Deciphering the etiology and impact of post-infectious hydrocephalus in Haiti	Dr. Josephson Dr. Hillis
21	Luna	University of Pennsylvania	The Adaptive Immune System is Not Necessary for α-Synuclein Pathology Formation or Dopaminergic Neuron Loss After α-Synuclein Pre-formed Fibril Injection	Dr. Sansing Dr. Pennell
22	McGarry	Children's Hospital of Philadelphia/ UPenn	Striatal Circuits in Epilepsy and Autism	Dr. Porter Dr. Lhatoo
23	McGinnis	Baylor College of Medicine	Optimizing cell-type specificity of AAV gene therapy vectors for the human brain	Dr. Kessler Dr. Rogawski
24	Moor	University of Florida	RNA Nanoparticle Treatment for Diffuse Midline Glioma: Visualizing Treatment Effect	Dr. Lonser Dr. Hadjipanayis
25	Patel	University of California, Los Angeles	Mechanisms of lymphovascular dysfunction in tauopathy	Dr. Levitt Dr. Chen
26	Porras	Johns Hopkins University	Surgical Skills Assessment in the Operating Room	Dr. Josephson Dr. Mack
27	Rosenberg	University of Pennsylvania	Examining the role of serotonin in an animal model of Dravet Syndrome	Dr. Richerson Dr. Pennell
28	Sun	NYP/CUMC	Dissecting IDH-mutant dependence and intratumor heterogeneity during astrocytoma progression	Dr. Staley Dr. Saper

2024 NINDS R25 GRANTEE WORKSHOP

POSTER SESSION Friday, 5:00 pm - 6:00 pm

BOSTON, MA MARCH 7-9, 2024

	Name	***Institution***	***Poster Title***	***Assigned Faculty***
29	Taga	Johns Hopkins University	Modeling the Human Corticospinal Tract on a Chip with Regionally-Specific hiPSC-Derived Neurons and Astrocytes in Normal States and in ALS	Dr. Kuo Dr. Williams
30	Tang	Northwestern University Feinberg School of Medicine	Investigating the pathogenic mechanisms of novel non-coding variants in SCN1A	Dr. Ross Dr. Louis
31	Wadhwani	University of Pennsylvania	Shared and distinct epigenetic profiles in primary age-related tauopathy and Alzheimer's disease.	Dr. Brent Dr. Zipfel
32	Ye	MGB	Astrocyte oligodendrocyte interactions in the context of MS	Dr. Weinstein Dr. Hillis
33	Yoh	Columbia	Focused Ultrasound Opening of the Blood Brain Barrier for Delivery of ONC201 in Diffuse Midline Glioma	Dr. Rogawski Dr. Hadjipanayis
34	Zima	UT Houston	Epigenetic Methylation and Traumatic Brain Injury	Dr. Levitt Dr. Herson

SPECIFIC AIMS Saturday, 10:00am - 11:00am

Name	*Institution*	*Title*	*Faculty*
Hadar, Peter	Mass General Hospital	Mapping the Structural and Functional Networks of MRI-Negative Temporal Lobe Epilepsy	Dr. Detre Dr. Lhatoo
Flavin, Bill	University of California, Los Angeles	Defining cellular factors that promote resilience against prion-like propagation of tau strains in Alzheimer's disease and related dementias	
Lu, Rufei	University of California San Francisco	Mechanisms of Progranulin and C9orf72 Deficiency Induced Autoimmunity and Neurodegeneration in Frontotemporal Dementia.	
Ramani, Biswarathan	University of California San Francisco	Uncovering the role of the molecular co-chaperone DNAJC7 in protein homeostasis and neurodegeneration	Dr. Braley Dr. Pomeroy Dr. Staley
Brooker, Sarah	Northwestern University	Effects of pathogenic LRRK2 and GBA variants on iPSC-derived microglia	
Lindquist, Britta	University of California San Francisco	The role of H+-sensitive NMDA receptors in spreading depolarization and ischemic injury	
Villa, Genaro	Mass General Hospital	Assessing Tumor-Associated Macrophage Plasticity Regulation by HNRNPH1 to Augment Adaptive Antitumor Immune Responses in Glioblastoma	Dr. Herson Dr. Weinstein
Nguyen, Mai	University of California San Francisco	Inflammatory mediators of post-stroke neuritic injury	
Wilcox, Douglas	Mass General Hospital	Immune Regulation of the Blood-Brain Barrier	
McGinnis, JP	Baylor University	Optimizing cell-type specificity of AAV gene therapy vectors for the human brain	Dr. Josephson Dr. Levitt Dr. Lonser
Rosenthal, Joseph	Mass General Hospital	Engineering a multimodal drug eluting polymeric stent for therapeutic modulation of the post-stroke environment in intracranial atherosclerosis disease	
Rincon Torroella, Jordina	Johns Hopkins University	MCT1 as a gate to pancreatic cancer treatment with ME3BP-7	
Michelassi, Francesco	Columbia University	Mitochondrial Biogenesis as a Therapeutic Target in Paclitaxel Induced Peripheral Neuropathy	

2024 NINDS RL25 GRANTEE WORKSHOP

SPECIFIC AIMS Saturday, 10:00am - 11:00am

BOSTON, MA MARCH 7-9, 2024

Name	*Institution*	*Title*	*Faculty*
Gardin, Tova	Yale University	Loss of Immune Tolerance in Paraneoplastic NMDAR Encephalitis: Identifying Molecular Drivers of Autoimmune CNS Disease	Dr. Richerson Dr. Rogawski
Andrews, John	University of California San Francisco	Optogenetic modulation of epileptiform activity in human hippocampus	
Asuzu, David	National Institutes of Health	Transcriptional and epigenetic drivers or Cushing's disease	Dr. Pennell Dr. Rolston
Chiang, Sharon	University of California, San Francisco	Circuit mechanisms of altered memory consolidation in temporal lobe epilepsy	
Lucke-Wold, Brandon	University of Florida	IL-6 modulation for subarachnoid hemorrhage to prevent vasospasm	Dr. Du Dr. Sansing
Carroll, Kate	University of Washington	Effect of CRHR1 genotype on cortisol regulation and development of depression after aneurysmal subarachnoid hemorrhage	
Pappalardo, Laura	University of Pennsylvania	Microglial-derived nanoscale biomarkers of traumatic brain injury	Dr. Hillis Dr. Kessler
Duskin, Jonathan	Mass General Hospital	Development of Accessible Precision Nutrition Interventions for Stroke and Dementia Prevention	
Perez, Enmanuel	Washington University in St. Louis	Role of Glial ApoE in Modulating Innate and Adaptive Immune Responses during Traumatic Neurodegeneration	
Muftuoglu, Yagmur	University of California, Los Angeles	Overcoming Resistance to Tyrosine Kinase Inhibitors for Treatment of Chordoma	Dr. Peruzzi Dr. Williams
Huang, Danny	Stanford University	Intracranial mapping of human emotional and mood states across contexts and timescales	
Lehner, Kurt	Johns Hopkins University	Insights into Basal Ganglia and Cerebellar Interactions from High Density Neural Recordings	

SPECIFIC AIMS Saturday, 10:00am - 11:00am

BOSTON, MA MARCH 7-9, 2024

Name	*Institution*	*Title*	*Faculty*
Hammer, Lauren	University of California San Francisco	Neurophysiologic Signatures of Essential Tremor and Implications for Deep Brain Stimulation	Dr. Cash Dr. Chen Dr. Saper
Marcott, Pamela	University of California San Francisco	Dissecting neural circuits associated with sleep disturbances in Parkinson's disease	
Timbie, Claire	University of California San Francisco	Amygdala - nRT pathways in cognition and seizures	
Brown, Christopher	University of Pennsylvania	Prediction of heterogenous tau pathology spread in humans using individualized epicenters and white matter pathways	Dr. Kuo Dr. Tandon
Munoz, William	Mass General Hospital	Single-neuronal and cortical columnar dynamics underlying human language production	
Pinarbasi, Emile	University of Michigan	Molecular features that distinguish between LATE-NC and FTLD-TDP	Dr. Liau Dr. Poduri
Guo, Michael	University of Pennsylvania	Short tandem repeats as a novel genetic driver of Alzheimer's disease	
Furey, Charuta	Barrow Neurological Institute	Characterizing glioma evolution through longitudinal cerebrospinal fluid liquid biopsy in a Phase 0/2 clinical trial of niraparib for newly-diagnosed glioblastoma	
Rudman, Michelle	Washington University in St. Louis	The adaptive immune system as a therapeutic target in tauopathy	Dr. Dunn Dr. Porter Dr. Louis
Mukherjee-Clavin, Bipasha	Johns Hopkins University	Mechanisms of Schwann cell dysfunction in PMP22-related diseases	
Herman, Wendy	Boston Children's Hospital	Networks involved in Autism Spectrum Disorder Traits	
Mo, Alisa	Boston Children's Hospital	Somatic mutations in autism spectrum disorder	

2024 NINDS R25 GRANTEE WORKSHOP

SPEAKER/FACULTY ASSIGNMENTS

BOSTON, MA MARCH 7-9, 2024

Name	*Institution*	*Talks Session I (11:30-12:30pm)*	*Talks Session II (2:15-3:30pm)*	*Poster Assignment*	*Specific Aims*
Benzing	National Institutes of Health	*NA*	*NA*	*NA*	*NA*
Braley	University of Michigan	Room 216	Room 216	14 - Jimenez 9 - Florendo	Ramani Brooker Lindquist Gardin
Brent	Northwestern University	Rotunda	Room 217	1 – Albertson 31 - Wadhwani	Braley Staley Pomeroy
Carmichael	University of California, Los Angeles	Room 214	Room 216	3 – Bowen 8 - Filippatou	*NA*
Cash	Harvard University Mass General Hospital	Room 216	Room 217	5 – Chopra 14 - Jimenez	Hammer Marcott Timbie
Chen	University of Pennsylvania	Room 214	Room 214	5 – Chopra 25 – Patel	Hammer Marcott Timbie
Conrad	University of Pennsylvania	Rotunda	Rotunda	12 - Hickman	*NA*
Detre	University of Pennsylvania	Rotunda	Room 214	11 - Hardigan 16 – Lee	Hadar Flavin Lu, R.
Du	Mass General Hospital	*NA*	*NA*	*NA*	Lucke-Wold Carroll
Dunn	Mass General Hospital	*NA*	*NA*	*NA*	Mukherjee-Clavin Rudman Herman Mo
Hadjipanayis	University of Pittsburgh	Room 217	Rotunda	10 - Kim 24 – Moor 33 - Yoh	*NA*
Herson	The Ohio State University	Room 214	Room 214	3 – Bowen 34 – Zima	Nguyen Wilcox Villa

SPEAKER/FACULTY ASSIGNMENTS

BOSTON, MA MARCH 7-9, 2024

Name	*Institution*	*Talks Session I (11:30-12:30pm)*	*Talks Session II (2:15-3:30pm)*	*Poster Assignment*	*Specific Aims*
Hillis	Johns Hopkins University	Room 216	Room 214	20 – Lu. V 32 - Ye	Pappalardo Duskin Perez
Hinman	University of California, Los Angeles	Room 216	Room 214	1 – Albertson 18 – Liu	*NA*
Jones-London	National Institute of Neurological Disorders and Stroke	*NA*	*NA*	*NA*	*NA*
Josephson	University of California, San Francisco	Room 217	Room 214	20 – Lu, V. 26 - Porras	Rosenthal Rincon Torroella Michelassi McGinnis
Kessler	Northwestern University	Room 214	Rotunda	13 – Huynh 23 - McGinnis	Pappalardo Duskin Perez
Khalessi	University of California San Diego, Congress of Neurological Surgeons	Room 217	Room 217	*NA*	*NA*
Korn	National Institute of Neurological Disorders and Stroke	*NA*	*NA*	*NA*	*NA*
Kuo	Columbia University	Room 216	Room 217	4 - Cavaleri 29 - Taga	Brown Munoz
Levitt	University of Washington	Room 214	Rotunda	25 – Patel 34 – Zima	Rosenthal Rincon Torroella Michelassi McGinnis
Lhatoo	University of Texas, Health Houston	Rotunda	Rotunda	8 – Filappatou 22 - McGarry	Hadar Flavin Lu, R.
Liau	University of California, Los Angeles	Room 214	Room 216	*NA*	Pinarbasi Guo Furey

2024 NINDS R25 GRANTEE WORKSHOP

SPEAKER/FACULTY ASSIGNMENTS

BOSTON, MA MARCH 7-9, 2024

Name	*Institution*	*Talks Session I (11:30-12:30pm)*	*Talks Session II (2:15-3:30pm)*	*Poster Assignment*	*Specific Aims*
Lonser	The Ohio State University	Room 217	Rotunda	9 - Florendo 24 – Moor	Rosenthal Rincon Torroella Michelassi McGinnis
Louis	University of Texas Southwestern	Room 216	Rotunda	17 – Li 30 - Tang	Mukherjee-Clavin Rudman Herman Mo
Mack	University of Southern California	Rotunda	Room 217	26 - Porras	*NA*
Pennell	University of Pittsburgh	Rotunda	Room 217	21 - Luna 27 – Rosenberg	Asuzu Chiang
Peruzzi	Mass General Hospital	*NA*	*NA*	*NA*	Muftuoglu Huang Lehner
Poduri	Boston Children's Hospital	Rotunda	Room 217	7 – Essuman 13 - Huynh	Pinarbasi Guo Furey
Pomeroy	Boston Children's Hospital	Room 214	Rotunda	7 – Essuman 17 – Li	Ramani Brooker Lindquist Gardin
Porter	Stanford University	Rotunda	Room 217	12 – Hickman 22 - McGarry	Mukherjee-Clavin Rudman Herman Mo
Richerson	University of Iowa	Room 217	Room 216	6 - Divakaruni 27 – Rosenberg	Fitzgerald Andrews
Rogawski	University of California, Davis	Room 217	Rotunda	23 – McGinnis 33 – Yoh	Fitzgerald Andrews
Rollins	Boston Children's Hospital	Rotunda	Room 217	15 – Lammert	*NA*
Rolston	Harvard University Brigham & Women's Hospital	*NA*	*NA*	*NA*	Asuzu Chiang

2024 NINDS R25 GRANTEE WORKSHOP

SPEAKER/FACULTY ASSIGNMENTS

BOSTON, MA MARCH 7-9, 2024

Name	*Institution*	*Talks Session I (11:30-12:30pm)*	*Talks Session II (2:15-3:30pm)*	*Poster Assignment*	*Specific Aims*
Ross	Weill Cornell Medicine	Room 214	Room 216	11 – Hardigan 30 - Tang	*NA*
Sansing	Yale University	Room 214	Room 214	2 - Bargiela 21 – Luna	Lucke-Wold Carroll
Saper	Harvard University Boston Children's Hospital	Room 216	Room 216	10 – Kim 15 - Lammert 28 - Sun	Hammer Marcott Timbie
Sekula	Columbia University	Room 217	Rotunda	*NA*	*NA*
Shah	University of Miami	Rotunda	Room 214	*NA*	*NA*
Staley	Harvard University Mass General Hospital	Rotunda	Room 214	6 – Divakaruni 28 - Sun	Ramani Brooker Lindquist Gardin
Tandon	University of Texas Southwestern	Room 217	Room 216	4 – Cavaleri 19 – Lu. R	Brown Munoz
Tennekoon	National Institute of Neurological Disorders and Stroke	*NA*	*NA*	*NA*	*NA*
Weigand	National Institute of Neurological Disorders and Stroke	*NA*	*NA*	*NA*	*NA*
Weinstein	University of Washington	Room 214	Room 216	19 – Lu. R 32 - Ye	Nguyen Wilcox Villa
Williams	Harvard University Mass General Hospital	Room 217	Room 217	16 - Lee 29 - Taga	Muftuoglu Huang Lehner
Xu	Johns Hopkins University	Room 214	Room 214	2 – Bargiela	*NA*
Zipfel	Washington University in St. Louis	Room 216	Room 214	18 – Liu 31 - Wadhwani	*NA*

2024 NINDS R25 GRANTEE WORKSHOP

PARTICIPANT ASSIGNMENTS

BOSTON, MA MARCH 7-9, 2024

Last Name	*Institution*	*Talks Session I (11:30-12:30pm)*	*Talks Session II (2:15-3:30pm)*	*Poster Number*	*Specific Aims/ Step by Step*
Albertson	University of Michigan	Room 216	Room 216	1	*NA*
Andrews	University of California San Francisco	Rotunda	Room 217	*NA*	Dr. Richerson Dr. Rogawski
Asuzu	National Institute of Neurological Disorders and Stroke	Room 216	Room 217	*NA*	Dr. Rolston Dr. Pennell
Bargiela	Mass General Brigham	Room 214	Room 214	2	*NA*
Bowen	Boston Children's Hospital	Room 216	Room 216	3	*NA*
Brooker	Northwestern University Feinberg School of Medicine	Room 214	Rotunda	*NA*	Dr. Braley Dr. Staley Dr. Pomeroy
Brown	University of Pennsylvania	Room 216	Room 216	*NA*	Dr. Tandon Dr. Kuo
Carroll	University of Washington	Room 214	Room 214	*NA*	Dr. Du Dr. Sansing
Cavaleri	University of Southern California	Room 216	Room 217	4	*NA*
Chiang	University of California San Francisco	Rotunda	Room 217	*NA*	Dr. Rolston Dr. Pennell
Chopra	Washington University in Saint Louis	Room 217	Room 217	5	*NA*
Divakaruni	Johns Hopkins University	Room 216	Room 217	6	*NA*
Duskin	Massachusetts General Hospital	Room 214	Room 214	*NA*	Dr. Hillis Dr. Kessler
Essuman	Massachusetts General Hospital	Room 217	Room 217	7	*NA*
Filippatou	Johns Hopkins University	Rotunda	Room 216	8	*NA*
Fitzgerald	Beth Israel Deaconess	Room 217	Room 214	*NA*	Dr. Richerson Dr. Rogawski

PARTICIPANT ASSIGNMENTS

BOSTON, MA MARCH 7-9, 2024

Last Name	*Institution*	*Talks Session I (11:30-12:30pm)*	*Talks Session II (2:15-3:30pm)*	*Poster Number*	*Specific Aims/ Step by Step*
Flavin	University of California, Los Angeles	Room 216	Room 216	*NA*	Dr. Detre Dr. Lhatoo
Florendo	University of California, Davis	Room 217	Rotunda	9	*NA*
Furey	Barrow Neurological Institute	Room 214	Rotunda	*NA*	Dr. Liau Dr. Poduri
Gardin	Yale University	Room 217	Room 217	*NA*	Dr. Braley Dr. Staley Dr. Pomeroy
Guo	University of Pennsylvania	Room 216	Room 216	*NA*	Dr. Liau Dr. Poduri
Hadar	Massachusetts General Hospital	Rotunda	Room 214	*NA*	Dr. Detre Dr. Lhatoo
Hammer	University of California San Francisco	Room 216	Room 214	*NA*	Dr. Cash Dr. Chen Dr. Saper
Hardigan	Duke University	Rotunda	Room 217	11	*NA*
Herman	Boston Children's Hospital	Room 217	Room 217	*NA*	Dr. Dunn Dr. Louis Dr. Porter
Hickman	University of California, Los Angeles	Rotunda	Rotunda	12	*NA*
Huang	Stanford University	Room 217	Room 217	*NA*	Dr. Peruzzi Dr. Williams
Huynh	University of California, Los Angeles	Room 214	Room 214	13	*NA*
Jimenez	University of California San Francisco	Room 216	Room 216	14	*NA*
Kim	Johns Hopkins University	Room 214	Room 214	10	*NA*
Lammert	Johns Hopkins University	Room 214	Room 214	15	*NA*
Lee	University of California San Francisco	Room 217	Room 217	16	*NA*
Lehner	Johns Hopkins Hospital	Room 216	Rotunda	*NA*	Dr. Peruzzi Dr. Williams
Li	Mass General Hospital	Room 214	Rotunda	17	*NA*

2024 NINDS R25 GRANTEE WORKSHOP

PARTICIPANT ASSIGNMENTS

BOSTON, MA MARCH 7-9, 2024

Last Name	*Institution*	*Talks Session I (11:30-12:30pm)*	*Talks Session II (2:15-3:30pm)*	*Poster Number*	*Specific Aims/ Step by Step*
Lindquist	University of California San Francisco	Room 214	Room 214	*NA*	Dr. Braley Dr. Staley Dr. Pomeroy
Liu	University of Iowa	Room 216	Rotunda	18	*NA*
Lu, R.	University of California San Francisco	Rotunda	Room 216	19	Dr. Detre Dr. Lhatoo
Lu, V.	University of Miami	Room 217	Room 214	20	*NA*
Lucke-Wold	University of Florida	Room 214	Room 214	*NA*	Dr. Du Dr. Sansing
Luna	University of Pennsylvania	Rotunda	Room 214	21	*NA*
Marcott	University of California San Francisco	Room 216	Rotunda	*NA*	Dr. Cash Dr. Chen Dr. Saper
McGarry	Children's Hospital of Philadelphia/University of Pennsylvania	Rotunda	Room 217	22	*NA*
McGinnis	Baylor College of Medicine	Room 214	Rotunda	23	Dr. Lonser Dr. Levitt Dr. Josephson
Michelassi	Columbia University Medical College	Room 217	Rotunda	*NA*	Dr. Lonser Dr. Levitt Dr. Josephson
Mo	Boston Children's Hospital	Room 214	Room 217	*NA*	Dr. Dunn Dr. Louis Dr. Porter
Moor	University of Florida	Rotunda	Rotunda	24	*NA*
Muftuoglu	University of California, Los Angeles	Rotunda	Rotunda	*NA*	Dr. Peruzzi Dr. Williams
Mukherjee-Clavin	Johns Hopkins University	Room 214	Room 217	*NA*	Dr. Dunn Dr. Louis Dr. Porter
Munoz	Massachusetts General Hospital	Room 217	Room 217	*NA*	Dr. Tandon Dr. Kuo
Nguyen	University of California San Francisco	Room 214	Room 214	*NA*	Dr. Weinstein Dr. Herson

PARTICIPANT ASSIGNMENTS

BOSTON, MA MARCH 7-9, 2024

Last Name	*Institution*	*Talks Session I (11:30-12:30pm)*	*Talks Session II (2:15-3:30pm)*	*Poster Number*	*Specific Aims/ Step by Step*
Pappalardo	University of Pennsylvania	Room 214	Room 214	*NA*	Dr. Hillis Dr. Kessler
Patel	University of California, Los Angeles	Room 216	Room 216	25	*NA*
Perez	Washington University	Room 217	Room 216	*NA*	Dr. Hillis Dr. Kessler
Pinarbasi	University of Michigan	Room 216	Room 216	*NA*	Dr. Liau Dr. Poduri
Porras	Johns Hopkins University	Room 217	Room 216	26	*NA*
Ramani	University of California San Francisco	Room 216	Rotunda	*NA*	Dr. Braley Dr. Staley Dr. Pomeroy
Rincon Torroella	Johns Hopkins University	Rotunda	Rotunda	*NA*	Dr. Lonser Dr. Levitt Dr. Josephson
Rosenberg	University of Pennsylvania	Rotunda	Room 216	27	*NA*
Rosenthal	Mass General Brigham Harvard University	Room 214	Room 214	*NA*	Dr. Lonser Dr. Levitt Dr. Josephson
Rudman	Washington University in Saint Louis	Room 216	Room 216	*NA*	Dr. Dunn Dr. Louis Dr. Porter
Sun	New York-Presbyterian/ Columbia University Irving Medical Center	Rotunda	217	28	*NA*
Taga	Johns Hopkins University	Room 216	Rotunda	29	*NA*
Tang	Northwestern University Feinberg School of Medicine	Rotunda	Rotunda	30	*NA*
Timbie	University of California San Francisco	Room 217	Room 217	*NA*	Dr. Cash Dr. Chen Dr. Saper
Villa	Massachusetts General Hospital	Rotunda	Rotunda	*NA*	Dr. Weinstein Dr. Herson

2024 NINDS R25 GRANTEE WORKSHOP

PARTICIPANT ASSIGNMENTS

BOSTON, MA MARCH 7-9, 2024

Last Name	*Institution*	*Talks Session I (11:30-12:30pm)*	*Talks Session II (2:15-3:30pm)*	*Poster Number*	*Specific Aims/ Step by Step*
Wadhwani	University of Pennsylvania	Room 216	Room 216	31	*NA*
Wilcox	Brigham and Women's Hospital	Room 214	Room 214	*NA*	Dr. Weinstein Dr. Herson
Ye	Mass General Brigham	Room 217	Room 216	32	*NA*
Yoh	Columbia University	Rotunda	Rotunda	33	*NA*
Zima	University of Texas, Houston	Room 214	Room 214	34	*NA*

Last Name	First Name	Email	Institution
Albertson	Richard	albertri@med.umich.edu	University of Michigan
Andrews	John	john.andrews@ucsf.edu	University of California San Francisco
Asuzu	David	david.asuzu@nih.gov	National Institute of Neurological Disorders and Stroke
Bargiela	David	Dbargiela@mgb.org	Mass General Brigham
Benzing	William	benzingw@ninds.nih.gov	National Institute of Neurological Disorders and Stroke
Bowen	Aaron	aaron.bowen@childrens.harvard.edu	Boston Children's Hospital
Braley	Tiffany	tbraley@med.umich.edu	University of Michigan
Brent	Jonathan (Jon)	jonathan.brent@northwestern.edu	Northwestern University
Brooker	Sarah	sarah-brooker@northwestern.edu	Northwestern University Feinberg School of Medicine
Brown	Christopher	christopher.brown@pennmedicine.upenn.edu	University of Pennsylvania
Carmichael	Tom	scarmichael@mednet.ucla.edu	David Geffen School of Medicine at UCLA
Carroll	Kate	ktc00@uw.edu	University of Washington
Carter	Bob	bcarter@mgh.harvard.edu	Massachusetts General Hospital Harvard University
Cash	Sydney	scash@mgh.harvard.edu	Massachusetts General Hospital
Cavaleri	Jonathon	jonathon.cavaleri@med.usc.edu	University of Southern California

2024 NINDS R25 GRANTEE WORKSHOP

PARTICIPANT LIST

BOSTON, MA MARCH 7-9, 2024

Last Name	First Name	Email	Institution
Chen	Isaac	Isaac.Chen@pennmedicine.upenn.edu	University of Pennsylvania
Chiang	Sharon	sharon.chiang@ucsf.edu	University of California San Francisco
Chiocca	E. Antonio	eachiocca@bwh.harvard.edu	Brigham and Women's Hospital Harvard University
Chopra	Ravi	chopra.r@wustl.edu	Washington University in Saint Louis
Conrad	Erin	erin.conrad2@pennmedicine.upenn.edu	University of Pennsylvania
Cudkowicz	Merit	Cudkowicz.Merit@mgh.harvard.edu	Massachusetts General Hospital
Detre	John	detre@pennmedicine.upenn.edu	University of Pennsylvania
Divakaruni	Sai Sachin	Sdivaka2@jhmi.edu	Johns Hopkins University School of Medicine
Du	Rose	rdu@bwh.harvard.edu	Brigham and Women's Hospital
Dunn	Gavin	gpdunn@mgh.harvard.edu	Massachusetts General Hospital
Duskin	Jonathan	jduskin@mgh.harvard.edu	Massachusetts General Hospital
Essuman	Kow	kessuman@mgh.harvard.edu	Massachusetts General Hospital
Filippatou	Angeliki	afilipp5@jhmi.edu	Johns Hopkins University School of Medicine
Fitzgerald	Dennis	Dfitzge1@bidmc.harvard.edu	Beth Israel Deaconess

Last Name	First Name	Email	Institution
Flavin	Bill	wflavin@mednet.ucla.edu	University of California, Los Angeles
Florendo	Maria	mflorendo@ucdavis.edu	University of California, Davis
Furey	Charuta	charuta.furey@gmail.com	Barrow Neurological Institute
Gardin	Tova	tova.gardin@yale.edu	Yale University
Goldberg	Nadine	ngoldberg@myana.org	American Neurological Association
Guo	Michael	michael.guo@pennmedicine.upenn.edu	University of Pennsylvania
Hadar	Peter	phadar@mgh.harvard.edu	Massachusetts General Hospital
Hadjipanayis	Costas	hadjipanayiscg2@upmc.edu	University of Pittsburgh
Hammer	Lauren	lauren.hammer@ucsf.edu	University of California San Francisco
Hardigan	Andrew	andrew.hardigan@duke.edu	Duke University
Hasan	David	David.hasan@duke.edu	Duke University
Herman	Wendy	wendy.herman@childrens.harvard.edu	Boston Children's Hospital
Herson	Paco	paco.herson@osumc.edu	The Ohio State University

PARTICIPANT LIST

BOSTON, MA MARCH 7-9, 2024

Last Name	First Name	Email	Institution
Hickman	Leonard	leonardhickman@mednet.ucla.edu	University of California, Los Angeles
Hillis	Argye	argye@jhmi.edu	Johns Hopkins University School of Medicine
Hinman	Jason	jhinman@mednet.ucla.edu	University of California, Los Angeles
Huang	Yuhao	yhhuang@stanford.edu	Stanford University
Huynh	Tien-Phat	tvhuynh@mednet.ucla.edu	University of California, Los Angeles
Jimenez	Jessica	jessica.jimenez2@ucsf.edu	University of California San Francisco
Jones-London	Michelle	jonesmiche@ninds.nih.gov	National Institute of Neurological Disorders and Stroke
Josephson	S. Andrew	Andrew.josephson@ucsf.edu	University of California San Francisco
Kessler	John	jakessler@northwestern.edu	Northwestern University
Khalessi	Alexander	akhalessi@health.ucsd.edu	University of California San Diego Congress of Neurological Surgeons
Kim	Jennifer	jenikim256@gmail.com	Johns Hopkins University School of Medicine
Korn	Steve	korns@ninds.nih.gov	National Institute of Neurological Disorders and Stroke
Kuo	Sheng-Han	sk3295@columbia.edu	Columbia University
Lammert	Dawn	dlammer2@jhmi.edu	Johns Hopkins Hospital

Last Name	First Name	Email	Institution
Lee	Anthony	anthony.lee@ucsf.edu	University of California San Francisco
Lehner	Kurt	klehner3@jh.edu	Johns Hopkins Hospital
Levitt	Michael	mklevitt@gmail.com	University of Washington
Lhatoo	Samden	Samden.D.Lhatoo@uth.tmc.edu	The University of Texas Health Science Center at Houston
Li	Yedda	yli@mgh.harvard.edu	Massachusetts General Hospital
Liau	Linda	LLIAU@mednet.ucla.edu	University of California, Los Angeles
Lindquist	Britta	britta.lindquist@ucsf.edu	University of California San Francisco
Liu	Guang Hao	guanghao-liu@uiowa.edu	University of Iowa
Lonser	Russell	russell.lonser@osumc.edu	The Ohio State University Medical Center
Louis	Elan	Elan.Louis@UTSouthwestern.edu	UT Southwestern Medical Center
Lu	Rufei	rufei.lu@ucsf.edu	University of California San Francisco
Lu	Victor	mrvictorlu@gmail.com	University of Miami
Lucke-Wold	Brandon	Brandon.lucke-wold@neurosurgery.ufl.edu	University of Florida
Luna	Esteban	estebanl@pennmedicine.upenn.edu	University of Pennsylvania

PARTICIPANT LIST

BOSTON, MA MARCH 7-9, 2024

Last Name	First Name	Email	Institution
Mack	William	william.mack@med.usc.edu	University of Southern California
Nguyen	Mai	nguyen.mai@ucsf.edu	University of California San Francisco
Marcott	Pamela	pam.marcott@ucsf.edu	University of California San Francisco
McGarry	Laura	mcgarrylm@chop.edu	Children's Hospital of Philadelphia University of Pennsylvania
McGinnis	JP	jp.mcginnis@bcm.edu	Baylor College of Medicine
Michelassi	Francesco	fem2104@cumc.columbia.edu	Columbia University Medical College
Mo	Alisa	alisa.mo@childrens.harvard.edu	Boston Children's Hospital
Moor	Rachel	rachel.moor@neurosurgery.ufl.edu	University of Florida
Muftuoglu	Yagmur	yagmur@mednet.ucla.edu	University of California, Los Angeles
Mukherjee-Clavin	Bipasha	bmukher2@jh.edu	Johns Hopkins University School of Medicine
Munoz	William	wmunozmiranda@mgh.harvard.edu	Massachusetts General Hospital
Pappalardo	Laura	lwpappalardo@gmail.com	University of Pennsylvania
Patel	Tirth	tkpatel@mednet.ucla.edu	University of California, Los Angeles
Pennell	Page	pennellpb@upmc.edu	University of Pittsburgh

Last Name	First Name	Email	Institution
Perez	Enmanuel	eperezmartinez@wustl.edu	Washington University School of Medicine
Peruzzi	Pier	pperuzzi@bwh.harvard.edu	Brigham and Women's Hospital Harvard Medical School
Pinarbasi	Emile	espinarb@med.umich.edu	University of Michigan
Poduri	Ann	annapurna.poduri@childrens.harvard.edu	Boston Children's Hospital
Pomeroy	Scott	scott.pomeroy@childrens.harvard.edu	Boston Children's Hospital
Porras	Tito	jporras1@jhmi.edu	Johns Hopkins University School of Medicine
Porter	Brenda	brenda2@stanford.edu	Stanford University
Ramani	Biswarathan	biswarathan.ramani@ucsf.edu	University of California San Francisco
Richerson	George	george-richerson@uiowa.edu	University of Iowa
Rincon Torroella	Jordina	jrincon2@jhmi.edu	Johns Hopkins University School of Medicine
Rogawski	Michael	rogawski@ucdavis.edu	University of California, Davis
Rollins	Caitlin	caitlin.rollins@childrens.harvard.edu	Boston Children's Hospital Harvard Medical School
Rolston	John	jrolston@bwh.harvard.edu	Brigham and Women's Hospital Harvard Medical School
Rosenberg	Evan	Evan.Rosenberg@Pennmedicine.upenn.edu	University of Pennsylvania

PARTICIPANT LIST

BOSTON, MA MARCH 7-9, 2024

Last Name	First Name	Email	Institution
Rosenthal	Joseph	jrosenthal3@partners.org	Mass General Brigham Harvard Medical School
Ross	M. Elizabeth	mer2005@med.cornell.edu	Weill Cornell Medicine
Rudman	Michelle	mdrudman@wustl.edu	Washington University in Saint Louis
Sansing	Lauren	lauren.sansing@yale.edu	Yale University
Saper	Clifford	csaper@bidmc.harvard.edu	Harvard Medical School
Sekula	Raymond	rfs2155@cumc.columbia.edu	Columbia University
Shah	Ashish	ashah@med.miami.edu	University of Miami
Staley	Kevin	staley.kevin@mgh.harvard.edu	Massachusetts General Hospital Harvard Medical School
Sun	Yu	ys3271@cumc.columbia.edu	New York-Presbyterian/Columbia University Irving Medical Center
Taga	Arens	ataga1@jh.edu	Johns Hopkins University School of Medicine
Tandon	Nitin	Nitin.Tandon@uth.tmc.edu	The University of Texas Health Science Center at Houston
Tang	Sheng	sheng.tang@nm.org	Northwestern University Feinberg School of Medicine
Tennekoon	Michael	michael.tennekoon@nih.gov	National Institute of Neurological Disorders and Stroke

Last Name	First Name	Email	Institution
Timbie	Clare	Clare.timbie@ucsf.edu	University of California San Francisco
Villa	Genaro	gvilla@bwh.harvard.edu	Brigham and Women's Hospital
Wadhwani	Anil	anil.wadhwani@pennmedicine.upenn.edu	University of Pennsylvania
Weigand	Tish	letitia.weigand@nih.gov	National Institute of Neurological Disorders and Stroke
Weinstein	Jonathan	jweinste@uw.edu	University of Washington
Wilcox	Douglas	drwilcox@bwh.harvard.edu	Brigham and Women's Hospital
Williams	Ziv	zwilliams@mgh.harvard.edu	Massachusetts General Hospital
Xu	Risheng	rxu4@jhmi.edu	Johns Hopkins University School of Medicine
Ye	Jessica	Jeye@mgb.org	Mass General Brigham
Yoh	Nina	ny2219@cumc.columbia.edu	Columbia University
Zima	Laura	laura.a.zima@uth.tmc.edu	The University of Texas Health Science Center at Houston
Zipfel	Gregory	zipfelg@wustl.edu	Washington University

ACKNOWLEDGEMENTS

BOSTON, MA MARCH 7-9, 2024

R25 Grantee Workshop

R25 Research Education Program for Residents and Fellows in Neurological Disorders and Stroke

Harvard University
Massachusetts General Hospital
Boston, Massachusetts

Sponsored by

The National Institute of Neurological Diseases and Stroke (NINDS) is grateful to Drs. Syd Cash and Ziv Williams for kindly hosting this workshop. NINDS also thanks Ronald Ash and Dante Joseph for invaluable help and logistical support for this workshop.

NOTES

NOTES

BOSTON, MA MARCH 7-9, 2024

National Institute of Neurological Disorders and Stroke

Congress of Neurological Surgeons

American Neurological Association since 1875