NYU Langone
Health

T32 Postdoctoral Research Training 2024-2025

The T32 Postdoctoral Research Training in Alzheimer's Disease and Related Neurodegenerative Disorders prepares basic, translational, and clinical scientists to be future leaders in research on brain aging and dementia. This program is funded by the National Institute on Aging of the National Institutes of Health (T32AG052909) and is directed by Thomas M. Wisniewski, MD, and Helen E. Scharfman, PhD.

Current T32 Trainees

Joshua Gills, PhD

2024-present

PI: Omonigho M. Bubu, MD, PhD
Department of Psychiatry, NYU Grossman School of Medicine

Joshua received a PhD in Exercise Science & Aging Studies from University of Arkansas, studying the relationships between metabolism, physical function, and cognition. His postdoctoral research with Dr. Bubu examines whether sleep efficiency and NREM slow wave sleep activity mediate the relationship between physical activity and neurocognitive outcomes in cognitively normal White Americans and Black/African Americans.

Solomon Haizel, PhD

2024-present

PI: Christine Vogel, PhD
Department of Biology, NYU

Solomon received his PhD in Biochemistry at Hunter College, part of the City University of New York (CUNY), under Dr. Dixie Goss, studying mechanisms of non-canonical translation control in diverse human mRNAs. His postdoctoral research at NYU in Dr. Vogel's lab focuses on understanding the complex translation regulation of C9ORF72 and its implications in neurodegenerative diseases such as ALS and FTD.
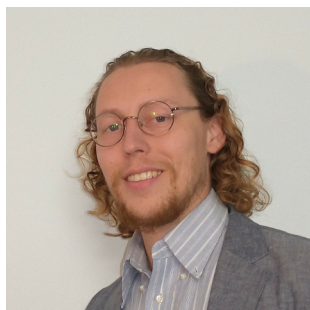

Gabriel Stephens, PhD

2023-present

PI: Helen Scharfman, PhD
The Nathan S. Kline Institute for Psychiatric Research

Gabriel obtained his PhD in neuroscience at Baylor College of Medicine, Houston, in the lab of Dr. Jeannie Chin, investigating recurrent seizures in Alzheimer's disease. His postdoctoral research with Dr. Scharfman aims to identify circuit mechanisms driving interictal spikes by selectively reducing the activity of medial septal cholinergic neurons (MSCNs) in mice that model the early pathophysiology of Alzheimer's disease.

Oliver Swart, PhD

2023-present

PI: Paramjit Arora
Department of Chemistry, NYU

Oliver received his PhD in chemistry from the University of Rochester, working under Dr. Benjamin Miller on developing small-molecules against HIV frameshift stimulatory RNA and precursor microRNAs. In his postdoctoral research in Dr. Arora's lab, he is developing peptidomimetic ligands to specifically target RNA triplet repeats implicated in neuro-degenerative diseases, focusing on the expanded CAG repeat in Huntington's disease.

Recent T32 Alumni

Marta Grońska-Pęski, PhD
2021-2022

PI: Gilad Evrony, MD, PhD
Center for Human Genetics & Genomics, NYU Grossman School of Medicine

Marta earned her neuroscience PhD at the Albert Einstein College of Medicine, working with Dr. Jean Hébert on the role of fibroblast growth factor receptors in hippocampal stem cell biology. Her postdoctoral work with Dr. Evrony centers on mutational processes and cell-type specific somatic mutation rates (SMRs) in the aging and Alzheimer's disease brain, utilizing ultra-high fidelity DNA sequencing in postmortem human brain tissue.

Amanda Labuza, PhD
2022-2024

PI: Stephen Ginsberg, PhD
The Nathan S. Kline Institute for Psychiatric Research

Amanda received a PhD in neuroscience from University of Maryland, Baltimore, studying calcium regulation in skeletal muscle and neurons in the lab of Dr. Robert Bloch. Her postdoctoral research in Dr. Ginsberg's lab is focused on neuronal populations within the default mode network (DMN) across the Alzheimer's disease spectrum in postmortem human brain tissue to uncover the link between gene expression and disease progression.

Jason Moore, PhD
2021-2023

PI: Jayeeta Basu, PhD
Department of Neuroscience and Physiology, NYU Grossman School of Medicine

Jason received a PhD in neuroscience at UCLA in the lab of Dr. Mayank Mehta studying dendritic activity during navigation and learning. In his postdoctoral work in Dr. Basu's lab, he investigates the cellular mechanisms of how dendrite-centric Alzheimer's disease pathologies result in cognitive decline using calcium imaging to examine dendritic population activity in the CA3 area of mouse hippocampus.

Amber Tetlow, PhD
2022-2024

PI: Einar Sigurdsson, PhD
Department of Neuroscience and Physiology, NYU Grossman School of Medicine

Amber earned her PhD in aging sciences from University of South Florida working with Dr. David Morgan on aging and viral mouse models of tauopathy. In her postdoctoral work in Dr. Sigurdsson's lab, she studies neuronal function, microglia morphology, and behavior in a mouse model of tauopathy in response to effective and toxic tau immunotherapies using two-photon imaging, histological analyses, and behavioral tests.

T32 Alumni

2017-2022

Yi Li, MD, PhD
PIs: Mony de Leon, EdD, and Thomas Wisniewski, MD (2017-2018)

Katherine Y. Peng Mackie, PhD
PIs: Paul Mathews, PhD, and Efrat Levy, PhD (2017-2019)

Emmanuel A. Cruz Torres, PhD
PI: Cristina Alberini, PhD (2018-2020)

Jessica S. Sadick, PhD
PI: Shane Liddelow, PhD (2018-2020)

Samantha B. Larsen, PhD
PI: Richard Tsien, DPhil (2019-2021)

Andie N. Dodge, PhD
PI: Einar Sigurdsson, PhD (2020-2021)

Marco J. Russo, MD, PhD
PI: Un Kang, MD (2020-2022)