



Neuroscience



Krieger School of Arts and Sciences

UNDERGRADUATE PROGRAM IN NEUROSCIENCE

Our program is growing each year. We now have 455 majors, which has steadily increased each year. We have added a few new courses and faculty from the School of Medicine to our Neuroscience Program Committee. We added a recent Honors Thesis Track Program in Summer 2022 and are hoping to continue to have funding available for this program.

Please think about supporting our program through a donation. [CLICK HERE](#), choose other and mention Neuroscience.

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New Courses

Fall 2023

Current Topics in Peripheral Neuropathies
and Nerve Disease • *M. Farah*
Neural Oscillations, Cognition and Disease •
B. Ross

Spring 2024

Neuroimmunology • *S. Hendry*
Writing About the Brain • *D. Linden*

Neuroscience Program Committee

THE UNDERGRADUATE NEUROSCIENCE PROGRAM IS ADMINISTERED BY A COMMITTEE CONSISTING OF REPRESENTATIVES FROM THE PRINCIPAL PARTICIPATING DEPARTMENTS AND INSTITUTES. NPC SERVES AS THE ADVISORY BOARD FOR THE PROGRAM.

Hey-Kyoung Lee

Program Chair
Professor, Mind Brain Institute, KSAS

Jason Trageser

Director of Undergraduate Studies
Associate Teaching Professor, Psychological & Brain
Sciences, KSAS

Jay Baraban

Director of the Neuroscience BS/MS Program
Professor, Neuroscience, SOM

Vikram Chib

Associate Professor, Biomedical Engineering, Whiting
School of Engineering

Hope Fisher

Associate Director of Undergraduate Studies
Psychological & Brain Sciences, KSAS

Kishore Kuchibhotla

Assistant Professor, Psychological & Brain Sciences, KSAS

Michael McCloskey

Professor, Cognitive Science, KSAS

Shreesh Mysore

Associate Professor, Psychological & Brain Sciences, KSAS

Brenda Rapp

Professor, Cognitive Science, KSAS

Genevieve Stein-O'Brien

Assistant Professor, Neuroscience, SOM

Haiqing Zhao

Professor, Biology, KSAS

Richard Huganir

Professor, Neuroscience, SOM



Workshops

SUCCESS IN YOUR MAJOR

LOOKING INTO GRADUATE SCHOOL, MEDICAL SCHOOL OR
INDUSTRY?

DIVERSITY IN THE WORLD OF SCIENCE

These workshops were created post-COVID to support our students where they were. It was difficult for them to return to in-person classes, develop relationships, and understand how to network in a world behind closed doors for an extended period. We saw this as an opportunity to bring the resources to our students and allow them to form genuine relationships with peers in their majors. In a survey emailed last spring, students said they want more time management support, information about graduate school versus medical school, and interactions with new FLI students.

"I was able to delve into research and science in ways I hadn't been able to before. During the academic term it's practically impossible to dedicate as much attention and time as I want to go to my research, but the experience over the summer was completely immersive and allowed me to fully appreciate the work I do."

LUIS RUBIO '24

UNDERGRADUATE HONORS THESIS PROGRAM

Select students are eligible to receive a Summer Research Fellowship, which comes with a budget of \$6000 (\$1000 for lab supplies and \$5000 for living expenses), to help produce a thesis-worthy project. We would like to increase the number of fellowship recipients in the future with support from the university and alumni.

We have had two students go through the program and two that are currently in the program.



**Dr. Robert
Ross
DIRECTOR**

BS/MS Program

DIRECTOR: DR. JAY BARABAN



Currently in the Program: 11

Graduated: 54

Current Positions Held:

Orthopedic Surgeon

General Physician

Consultant

Researcher

General Surgeon

Send us an update on
where you are!

In the News...

Neuroscience students are branching out by the year. Some are now working on a dual degree with the Peabody Institute:

“...the experience of working a shift at the med campus in full black concert attire... then rushing to Peabody to create spontaneous art on stage is the perfectly chaotic and satisfying feeling I will always associate with my undergrad years.”

SEBASTIAN ZAMARIPPA '26

NEUROSCIENCE & JAZZ STUDIES/TROMBONE PERFORMANCE

Sebastian studies hearing loss in the Glowatzki Lab at JHMI, and hopes to work on sound-based neural oscillations in the future, as it is a promising and minimally invasive way to drive neuroimmune effects capable of treating neurodegenerative pathology. He hopes to advance his research and advocacy skills to equip himself to combine them exactly the way he envisions it.

Contact Information:

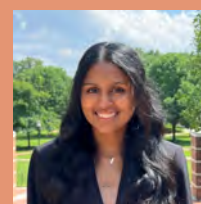
Hope Fisher, HopeStein@jhu.edu

website: <https://krieger.jhu.edu/neuroscience/>

Update your information with the program:

https://jh.qualtrics.com/jfe/form/SV_08IFGh2B01okbQy

CLASS OF 2024



Suma Kotha

PI: Dr. Xiaobo Mao



Zaida McClinton

PI: Dr. Marina Bedny



Robert Stowell-Campos

PI: Dr. Elisabeth Marsh



Balaji Vijayakumar

PI: Dr. Lauren Jantzie



Xianyi Jia

PI: Dr. Lauren Jantzie



ADMINISTRATIVE STAFF

Kelly Thammavong
Academic Coordinator

Rodney Williams
Administrative Coordinator

Linda White
Academic Administrator

Experiential Learning

HELPING AN AGING COMMUNITY: SOCIAL AND COGNITIVE SUPPORT FOR SENIORS (NEW)

We recognized that our students needed to fully benefit from a crucial opportunity to engage with the geriatric population. Roland Park Place has been gracious enough to collaborate to ensure our students gain meaningful experiences that will equip them for medical research and the health professions.

MAKING NEUROSCIENCE FUN

We're thrilled to announce that with the help of Dr. Linda Gorman and our neuroscience students, the recent revamp of our Making Neuroscience Fun Program was designed with students and teachers in mind. Our commitment to providing top-notch resources for a dynamic learning experience has never been more substantial!

KIDS ENJOYING EXERCISE NOW

Our program continues to work with KEEN, has been thrilled with the student experience, and is genuinely excited about its growth.

