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.
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.

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.

“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

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

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_08IFGh2B010kbQs
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.