

2022 Advanced Medical Neuroscience Internship

In-Person at Georgetown University from July 10th to July 16th, 2022
Virtual Program from June 13th to June 24th, 2022



Through a partnership with the International Brain Bee, Leadership Initiatives provides Brain Bee participants the opportunity to attend their internships in the areas of neuroscience and medicine which are hosted online and in-person at Georgetown University. The top three winners of the 2022 IBB World Championship will be awarded full scholarships by Leadership Initiatives for a 2023 online internship. Leadership Initiatives also provides partial scholarships to any local and national Brain Bee participants worldwide that significantly reduce the tuition for their 2022 Online or In-Person Advanced Medical Neuroscience Internship - see details on next pages. Participants will be featured on the Leadership Initiatives website.

Learn more at www.LIChange.org/Summer/IBB



The Advanced Medical Neuroscience Internship

Leadership Initiatives
Virtual Internship



Through a partnership with the **International Brain Bee (IBB)**, Leadership Initiatives is offering all 2021 and 2022 local and national Brain Bee competitors worldwide a scholarship that will reduce the tuition for their Online Advanced Medical Neuroscience Internship to \$1000 when you use the code **BBGrant\$1000**.



2022 Online Program Information

Grades: Rising Freshman to Graduating Seniors (or equivalent)

Program Dates: June 13th to June 24th, 2022

Time Options: Monday through Friday (EDT/UTC-5) at 10:00 am to 3:00 pm

Certificate of Completion from:

Georgetown University
Leadership Initiatives

About the Program

In this accelerated apprenticeship, students will spend two weeks participating in cutting-edge neuroscience experiments.

All Summit Participants Receive Unparalleled College Assistance



One-on-one interactions with leaders in the field of neuroscience



Develop a cutting-edge neuroethics proposal with leading experts



Study with future student leaders in neuroscience from across the globe

Top Features



Neurological Experiments

Apprentices participate in the following neurological tests: Electroencephalograms (EEG), functional Near-Infrared Spectroscopy (NIRS), Neuropriming experiments using a Halo device, deep brain stimulations, Electromyography (EMG), neural microstimulations, and a brain dissection



Work with Experts

Students will work directly with doctors and medical experts from Georgetown University, Gallaudet University, and Walter Reed Hospital in the fields of neuroethics, neuroimaging, brain stimulation, and neurotechnology.



Develop a Research Project

For their final project, students will design and propose a research project related to cognitive neuroscience and neuroethics to Dr. James Giordano and several of the world's leading Neuroscience experts.



Advanced Medical Neuroscience Internship

Georgetown University
Washington, DC



Through a partnership with the **International Brain Bee (IBB)**, Leadership Initiatives is offering all 2021 and 2022 local and national Brain Bee competitors worldwide a scholarship that will reduce the tuition for their In-Person Advanced Medical Neuroscience Internship \$2400 when you use the code with code **BBGrant\$1000**.



2022 Program Information

Grades: Rising Freshman to Graduating Seniors

Program Dates: July 10th - July 16th, 2022

Location: Georgetown University, Washington, DC

Program Price: \$4,000 USD (Financial Aid Available)

About the Program

In Leadership Initiatives' Advanced Medical Neuroscience Internship, students work directly with Dr. Giordano, the Chief of Georgetown's Neuroethics Studies Program and Co-Director of the O'Neill-Pellegrino Program in Brain Science, Global Health Law, and Policy.

Interns spend seven days participating in cutting-edge neuroscience and ethics research. Students explore the anatomy and physiology of the brain, from the electrical signals fired by neurons to higher-order cognitive functions like memory, emotion, and morality. Interns also have the rare opportunity to participate in several neurological tests and meet with individuals who have neurological disorders and enhancements.

For their final project, students propose an experiment related to cognitive neuroscience and ethics to apply their understanding, then present it publicly to some of the world's leading neuroscientists. The top teams will write a paper that will be published for peer review.

Top Features



Neuro Experiments

Interns will learn about neurological tests and procedures. Students will participate in functional near-infrared spectroscopy (fNIRS), functional magnetic resonance imaging (fMRI), neuropriming, deep brain stimulation, electromyography (EMG), and brain dissection.



Work with Experts

Students work directly with medical experts from Georgetown University and the Defense Advanced Research Projects Agency. Students will learn from leaders working at the frontier of the fields of neuroethics, neuroimaging, brain stimulation, and neurotechnology.



Research Project

For their final project, students will work with Dr. Rachel Wurzman to design and propose a research project related to cognitive neuroscience. Students will present this project to Dr. James Giordano and several of the world's leading Neuroscience experts.



Leadership Initiatives

Advanced Medical Neuroscience Internship

About Leadership Initiatives

Leadership Initiatives has been committed to community-led projects since the organization's founding over 15 years ago. We began working directly with communities in 2003 at a grassroots level, where we believe development has the greatest impact. It is in these communities where women, men, and youth can discover their voice, assert their rights, and mobilize action to achieve their aspirations.

Leadership Initiatives is a registered 501(c)(3) nonprofit that has been fully vetted by GlobalGiving and has received its "Superstar" rating. Leadership Initiatives has also received "Goldstar" status from Guidestar, "Top Nonprofit" status from Great Nonprofits, and was awarded Georgetown University's coveted Outstanding Community Partner award from their Center For Social Justice.

Our Partners & Sponsors



Program Comparison Chart	LI Online	LI In-Person	NSLC	Yale
Create a public health campaign	✓	✓	✗	✗
Study and work with leading medical experts, top surgeons, medical researchers, and therapists	✓	✓	✗	✗
Diagnose real patients in the developing world using telemedicine technology	✓	✓	✗	✗
College application and career planning with medical school and college admissions officers	✓	✓	✗	✗
1 year of SAT/ACT training, college application essay editing, and scholarship assistance	✓	✓	✗	✗
Tuition - LI pricing includes scholarship	\$1000	\$2400	\$3495	\$4500

12-Month No-Interest Payment Plan Available From Our Sponsors