

## Opportunities Week of 12/1/17

**LILAC Volunteer Opportunities:** The Long Island League to Abolish Cancer is looking for student volunteers to get involved in their fight to abolish cancer. LILAC was founded in 1967 by 10 women and has now grown to 150 dedicated members whose untiring work has sponsored hundreds of invaluable research instruments. They need volunteers to help raise funds by coordinating and/or participating in fund-raising events. This is an opportunity to make a positive impact locally and to build your outreach and leadership experience.

For more info, contact [lilacbouquet6@gmail.com](mailto:lilacbouquet6@gmail.com) and visit their webpage at <http://www.lileaguetoabolishcancer.org/>.

**Society of General Internal Medicine Events:** Stony Brook's Department of Medicine and School of Medicine Alumni Association cordially invite you to participate in our first #ProudToBeGIM Campaign! Two events are being held:

**#ProudToBeGIM MythBuster Bingo:** Friday Jan 19, 2018, 12pm - 1pm in the HSC Galleria  
Come have lunch and play MythBuster Bingo to learn the truth about careers in General Internal Medicine! Prizes will be available to bingo winners!

**#ProudToBeGIM Mentorship Dinner:** Wednesday Jan 31, 2018, 6pm-8pm in the HSC Galleria  
Join Stony Brook General Internal Medicine Faculty for dinner and learn more about the numerous career pathways within General Internal Medicine. Dinner will be served and raffle prizes will be available to attendees!

**RSVP deadline is January 21, 2018. To RSVP, visit**

[https://docs.google.com/forms/d/e/1FAIpQLSd9FdPEAfftSieMrl28YSvvXv3uJSPzu1XSrQP2v\\_aHU81qtA/viewform](https://docs.google.com/forms/d/e/1FAIpQLSd9FdPEAfftSieMrl28YSvvXv3uJSPzu1XSrQP2v_aHU81qtA/viewform)

For more info see [www.sgim.org](http://www.sgim.org) or [www.proudtobegim.org](http://www.proudtobegim.org) Contact Dr. Patricia Ng at [patricia.ng@stonybrookmedicine.edu](mailto:patricia.ng@stonybrookmedicine.edu) with any questions about these two events.

**iGEM Application Live:** The application for Stony Brook's 2018 iGEM team is officially LIVE! SBU's iGEM team is a group of undergraduate students who design and work on a project to be presented at the annual iGEM Jamboree in Boston. Training and project development is done in the spring and the work in the lab is done during the summer. This is a unique opportunity for undergraduate students to gain research experience in a hands on environment. Make sure to start the application as soon as possible, as some of the questions at the end may be time consuming. You may want to type your answers in a google document and copy them into the Google form so that you don't need to type them directly into the application.

**Application closes December 31st at 11:59 PM!**

Application can be found at <https://goo.gl/forms/QXP02R9A6vKCvBXY2>

**Kaplan Test Prep Discounted Courses:** Pre-Professional Advising and Kaplan Test Prep has partnered to offer discounted courses for Stony Brook students. This includes live online courses for the GRE, LSAT, MCAT, DAT, OAT, and PCAT. Also offering a Critical Analysis and Reasoning (CARS) Enrichment course in person at Stony Brook in February.

For more info, see attached flyer and register at <https://goo.gl/eRyCkq>

**Reminder: Neuroscience Fellowships:** The Marcus Autism Center, in conjunction with the Emory University School of Medicine and Children's Healthcare of Atlanta, is offering three fellowships: the Cohen Fellowship in Developmental Social Neuroscience, the Marcus Fellowship in Speech Science and Engineering, and the Simons Fellowship in Computational Neuroscience. Students who will receive a bachelor's degree by June 2018 will be eligible for the positions. The fellowships will commence in July 2018, and they are 2 years in duration.

Find further details at: [cohenfellowship.org](http://cohenfellowship.org) and [simonsfellowship.org](http://simonsfellowship.org)

**Harvard T.H. Chan School of Public Health Undergraduate Summer Programs:** The Harvard T.H. Chan School of Public Health is now recruiting for their Undergraduate Summer Programs in Public Health. There are 4 summer programs being offered: Summer Program in Biostatistics and Computational Biology, Forstering Advancement & Careers through Enrichment Training in Science (FACETS), Summer Program in Epidemiology and Biostatistics, and Summer Program in Biological Sciences.

**Application deadline for all 4 programs is February 4, 2018**

For more info, see attached flyer

**Applications for the 2018 Gateways to the Laboratory Summer Program for Pre-MD-PhD students are now being accepted.**

The Gateways Program is held in New York City through the Cornell/Rockefeller/Sloan-Kettering Tri-Institutional program. Find out more by [clicking here](#).

The Gateways to the Laboratory Program is for:

- Freshmen and sophomores (at time of application) only
- Underrepresented minority, disabled and/or disadvantaged backgrounds;
- US Citizens/Permanent Residents;
- Students who wish to pursue the combined MD-PhD degrees after college.

**The application deadline for this and most other summer programs is Monday, February 1**

For more details please see attached flyer

# TEST PREP

NOW  
OPEN

STONY BROOK - KAPLAN TEST PREP COURSES

## Kaplan Test Prep Live Online Courses

GRADUATE RECORD EXAM GRE \$800

LAW SCHOOL ADMISSIONS TEST LSAT \$1000

MEDICAL COLLEGE ADMISSIONS TEST MCAT \$1900

DENTAL ADMISSIONS TEST DAT \$1200

OPTOMETRY ADMISSIONS TEST OAT \$1200

PHARMACY COLLEGE ADMISSIONS TEST PCAT \$1200

## Kaplan Critical Analysis and Reasoning (CARS) Enrichment In Person course @ SBU

FEBRUARY 4 - APRIL 29

COST - \$400

TO REGISTER PLEASE VISIT: <https://goo.gl/eRyCkq>  
OR

[www.stonybrook.edu/prehealth](http://www.stonybrook.edu/prehealth)

Pre-Professional Advising  
E-3310 Frank Melville library  
Stony Brook, NY 11790



 Marcus  
AUTISM CENTER  
NIH Autism Center  
of Excellence

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## FELLOWSHIP OPPORTUNITIES

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ADVANCE UNDERSTANDING OF  
AUTISM SPECTRUM DISORDER (ASD)

# PREDOCTORAL FELLOWSHIP OPPORTUNITIES

Marcus Autism Center, in conjunction with Children’s Healthcare of Atlanta and Emory University School of Medicine, is offering two-year fellowships in three scientific subspecialties. Fellows will participate in innovative research to provide novel solutions to complex problems in a robust clinical environment.

## Our fellowships

**The Donald J. Cohen Fellowship in Developmental Social Neuroscience** will select fellows for a two-year training in the study of child development and social neuroscience in children with autism spectrum disorder (ASD).

**The Simons Fellowship in Computational Neuroscience** will select fellows for a two-year training at the nexus of computer science and psychology to integrate computational strategies with clinical research goals.

**The Marcus Fellowship in Speech Science and Engineering** will select fellows to spend two years engaged in research on early vocal development in children at risk for ASD.

## Research training program

Our research fellowships are intended for college graduates to dedicate two intensive years to research on ASD prior to entering graduate studies. Fellows will participate in and guide innovative research while working with families and children affected by ASD, ranging in age from week-old infants to adolescents and young adults.

Fellows receive direct research mentorship from the program directors and Marcus Autism Center faculty members, and they are involved in a highly active and productive community of clinical research scientists. In addition to research training and mentorship, fellows also complete an intensive summer training seminar covering clinical research in ASD (one week), ASD grand rounds meetings (twice a month), social neuroscience lab meetings (weekly) and ongoing didactic practica. Fellows are strongly encouraged and expected to submit their research for posters and publications and will be funded to attend at least one conference a year.

All three fellowship tracks are paid, two-year positions, with full healthcare coverage.

Visit [marcus.org/fellowship](http://marcus.org/fellowship) for more information and to download an application.



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# PREDOCTORAL FELLOWSHIP OPPORTUNITIES

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## Research at Marcus Autism Center

Marcus Autism Center is one of five National Institutes of Health (NIH)-recognized Autism Centers of Excellence in the country. It is the largest center for clinical care of children with ASD and their families in the U.S., seeing more than 5,000 patients every year. The center also works in partnership with Yerkes National Primate Research Center, the Centers for Disease Control and Prevention (CDC), and Georgia Institute of Technology. These varied institutions enable a multidisciplinary and translational approach to ASD research, spanning projects in behavioral neuroscience, neuroimaging, molecular and population genetics, and treatment. The directors of the fellowship program lead the social neuroscience, spoken communication and neuroimaging research cores within Marcus Autism Center. These research cores use eye-tracking technology, neuroimaging, computational modeling and behavioral neuroscience methods to better understand the causes and developmental mechanisms underlying ASD, and to develop new tools to improve early detection, diagnosis and treatment of ASD.

## Application information

*Sponsor institutions:* Marcus Autism Center, Children's Healthcare of Atlanta and Emory University School of Medicine

*Program directors:* Ami Klin, PhD, Warren Jones, PhD, Gordon Ramsay, PhD, and Sarah Shultz, PhD

*Term of award:* Two years

*Submission deadline:* Jan. 5, 2018

*Award amount:* \$34,000

All applications must be submitted electronically. The online application portal will open in November 2017.

To complete your online application, you will need a resume or curriculum vitae, a statement of purpose, two letters of recommendation and a scanned transcript(s).

Visit [marcus.org/fellowship](http://marcus.org/fellowship) or call 404-785-9554 for application materials and additional information.

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# DONALD J. COHEN FELLOWSHIP

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IN DEVELOPMENTAL  
SOCIAL NEUROSCIENCE

## Award description

The Donald J. Cohen Fellowship in Developmental Social Neuroscience provides recent college graduates with the opportunity to spend two years engaged in state-of-the-art clinical and basic research with children and families affected by ASD. Cohen fellows are directly mentored by program directors and are involved in a highly active and productive community of clinical research scientists who study ASD. Previous Cohen Fellows have led a wide range of research projects and have gone on to PhD, MD, and MD/PhD programs in clinical, developmental and basic science specialties.

Donald J. Cohen (1940-2001) was a nationally and internationally renowned child psychiatrist whose work improved the lives of children and families all over the world. More information about his life and work can be found [here](#).

## Fellowship expectations

Cohen Fellows guide a research project from the point of data collection through analysis and publication of results. Over the course of two years, fellows gain in-depth research and clinical experience through work with infants, toddlers and school-aged children spanning the full autism spectrum. Fellows also complete an intensive summer training seminar covering clinical research in ASD (one week), ASD grand rounds meetings (twice a month), social neuroscience lab meetings (weekly) and ongoing didactic practica.

Contact the Cohen Fellowship Committee at [cohen.fellowship@emory.edu](mailto:cohen.fellowship@emory.edu) or **404-785-9554** with additional questions.



# SIMONS FELLOWSHIP

## IN COMPUTATIONAL NEUROSCIENCE

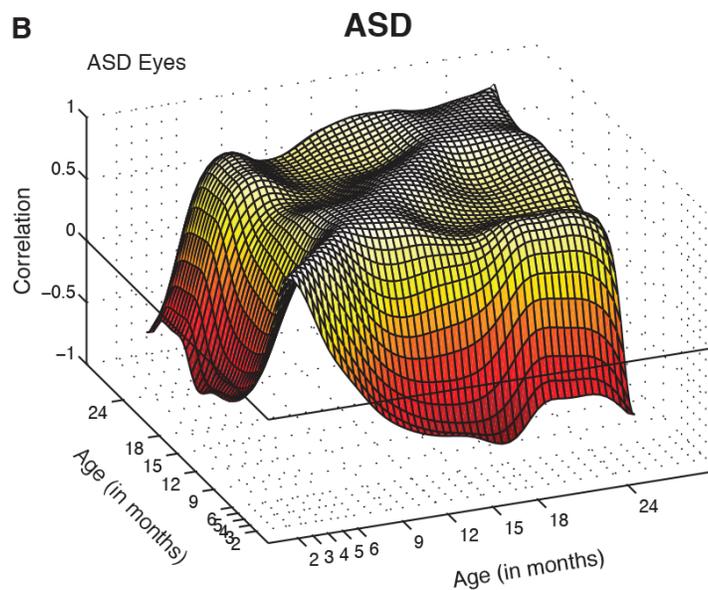
### Award description

The Simons Fellowship in Computational Neuroscience provides recent college graduates with the opportunity to spend two years using computer programming and basic science to advance our understanding of ASD. Simons Fellows are directly mentored by program directors and are involved in a highly active and productive community of clinicians, scientists and engineers who study ASD. Previous Simons Fellows have led a wide range of research projects and have gone on to PhD, MD, and MD/PhD programs, as well as research positions in computer and software engineering.

### Fellowship expectations

Over the course of two years, Simons Fellows work to integrate computational strategies with clinical research goals, guiding a research project from data collection through analysis and publication of results. Fellows work on developing methods for analyzing visual scanning and eye-tracking data, computational models of visual salience, and data visualization techniques, all with the aim of advancing understanding of ASD and efforts at early diagnosis. Fellows also complete a training curriculum through their participation in an intensive summer training seminar covering clinical research in ASD (one week), ASD grand rounds meetings (twice a month), social neuroscience lab meetings (weekly) and ongoing didactic practica.

Contact the Simons Fellowship Committee at [simons.fellowship@emory.edu](mailto:simons.fellowship@emory.edu) or **404-785-9554** with additional questions.



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# MARCUS FELLOWSHIP

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IN SPEECH SCIENCE AND  
ENGINEERING

## Award description

The Marcus Fellowship in Speech Science and Engineering is a two-year predoctoral research fellowship designed to prepare graduate-level engineers and linguists for entry into a doctoral degree, leading either to an academic career in speech science and engineering, or to a clinical career in speech-language pathology and communication disorders.

The main focus of the training program is early vocal development in the first years of life in children at risk of ASD, as part of a broader interdisciplinary research program mapping out the development and derailment of spoken communication in early childhood.

## Fellowship expectations

Fellows will receive training in all areas of speech science relevant to their goals, including speech production and speech perception. They will also receive training in relevant areas of signal processing, including sampling theory, spectral analysis and stochastic processes, as well as speech analysis, synthesis and recognition.

Practical training will involve computer programming (Matlab, C, Labview), software engineering, hardware design and construction of laboratory equipment where needed. Additional training will also be provided in experimental design, data acquisition, data analysis, statistics, preparation of publications, grant writing, human subject research and bioethics. Fellows will have the opportunity to observe clinical assessments of patients with ASD and related developmental disabilities in the clinic.

Each fellow will design and implement a research project of their own under the direct mentorship of the program director and will be expected to present their results at one or more national or international conferences.

Contact the Marcus Fellowship Committee at [marcus.fellowship@emory.edu](mailto:marcus.fellowship@emory.edu) or 404-785-9554 with additional questions.





**EMORY**  
UNIVERSITY

[marcus.org](http://marcus.org)

**PROUD TO BE  
GIM**

[www.proudtobegim.org](http://www.proudtobegim.org)

# SAVE THE DATE

*Join us to learn more about careers in  
General Internal Medicine!*

## **#ProudToBeGIM Mythbuster Bingo**

**Fri Jan 19, 2018 12pm-1pm  
HSC L3 Galleria**

## **#ProudToBeGIM Mentorship Dinner**

**Wed Jan 31, 2018 6pm-8pm  
HSC L3 Galleria**

RSVP at <https://goo.gl/forms/E1FgDafP21B5LdbL2>



**Stony Brook  
Medicine**

*Hosted by Stony Brook's Department of Medicine, School of Medicine Alumni Association,  
& the Society of General Internal Medicine*



# Discover Public Health:

Public health protects and improves the health of individuals, families, communities, and populations, locally and globally

## Are there required majors for the field of Public Health?



Public health professionals study and work in a range of fields. There is no one required undergraduate major for public health, and people in the field have backgrounds in:

**Social sciences:** anthropology, economics, history, political science, psychology, sociology, ethnic studies, women’s studies, etc.

**Biological and physical sciences:** biology, chemistry, earth science, engineering, physics, mathematics, etc.

**Quantitative sciences:** finance, statistics, computer sciences and

**Many other fields, including nursing, the allied health professions, and more!**

### Examples of the many fields/roles in public health:

- Biostatisticians
- Community planners
- Epidemiologists
- Emergency responders
- Environmental health workers
- Healthcare consultants
- Nutritionists
- Occupational health and safety professionals
- Public health nurses
- Public health physicians
- Public policymakers
- Scientists and researchers
- Social workers
- Toxicologists

#### Summer Program in Biostatistics and Computational Biology

**Length:** 6 weeks

**Application Deadline:**

February 1, 2018

**Program includes:** Stipend, airfare, housing, & GRE prep course

**Department:** Biostatistics

**Overview:** This comprehensive program prepares undergraduate students for advanced degrees in Biostatistics, Comp Bio, and Public Health by exposing them to the use of quantitative methods for biological, environmental, and medical research. Typical backgrounds include strong math/statistics skills.

<https://www.hsph.harvard.edu/biostatistics/diversity/summer-program/>

#### Fostering Advancement & Careers through Enrichment Training in Science (FACETS)

**Length:** 6 weeks

**Application Deadline:**

February 4, 2018

**Program includes:** Stipend, airfare, housing, & GRE prep course

**Department:** School-wide

**Overview:** An interdisciplinary program with cross-departmental coursework and research opportunities with faculty from Social & Behavioral Sciences, Health Policy, Environmental Health, Nutrition, and Global Health. This dynamic program takes a holistic approach to cultivating the generation of scientists.

<https://www.hsph.harvard.edu/diversity/facets/>

#### Summer Program in Epidemiology and Biostatistics

**Length:** 5 weeks

**Application Deadline:**

February 4, 2018

**Program includes:** Stipend, airfare, housing, & GRE prep course

**Department:** Epidemiology

**Overview:** This program integrates mathematics and quantitative methods to provide undergraduates with an understanding of the skills and processes necessary to pursue a career in Epidemiology or Biostatistics. Successful candidates typically have strong quantitative skills.

<https://www.hsph.harvard.edu/epidemiology/diversity/summer-program-in-epidemiology/>

#### Summer Program in Biological Sciences

**Length:** 8 weeks

**Application Deadline:**

February 4, 2018

**Program includes:** Stipend, airfare, housing, & GRE prep course

**Department:** Division of Biological Sciences

**Overview:** Exposes undergraduate science students to the rewards of laboratory research directed towards solving important public health problems. Typical backgrounds include biology and other majors that provide lab experience.

<https://www.hsph.harvard.edu/biological-sciences/undergraduate-summer-internship-program/>

