

## Interest Surges in New Neuro Degree

MARGARET TATE  
INSTITUTE COMMUNICATIONS

When Georgia Tech's College of Sciences created a prospectus for a new Bachelor of Science in Neuroscience, it estimated 25 to 50 students would enroll the first year. Wrong.

Since the new degree program was approved by the Board of Regents on Feb. 14, more than 145 students have signed on.

This enthusiastic response was surprising — but then again, not, says Tim Cope, chair of the Undergraduate Neuroscience Curriculum Committee and professor in the School of Biological Sciences and the Wallace H. Coulter Department of Biomedical Engineering.

"Hardly a day goes by that there's not something in the news — a health concern or a recent breakthrough or societal challenge — that doesn't involve neuroscience," he says. "It's a growing field with so many opportunities, and it's inspired a lot of interest from our students."

One of them is Yeseul Heo.

"I got really excited when I learned about the new major," the rising second-year student says. "I think I was one of the first to

see **NEURO**, page 4

## YOUR GUIDE TO CAMPUS



Photos by Rob Felt

(Clockwise from top): Hannah Smith (chemical engineering major), Abigail Cliche (industrial and systems engineering major), and Emeritus Morris (industrial and systems engineering major) give campus tours on July 5, when the high temperature was 93 degrees but felt like 101. Tour guides are busiest during the summer, showing prospective students and their families around campus. Tours are also open to faculty and staff members. To sign up, contact Katy Beth Lockwood at [lockwood@gatech.edu](mailto:lockwood@gatech.edu).

## Join Incoming Students in Making 'Small Act Big Impact'

SARAH PERKINS  
STUDENT LIFE

Fall first-year FASET orientation sessions began this month, meaning students from around the country and world are descending on campus.

As part of new student orientation, incoming students and their families are invited to bring donations for the Small Act Big Impact project led by Student Engagement. The effort benefits the Atlanta Mission and culminates with a packaging event at the end of the summer.

Faculty and staff can participate

by donating items through Aug. 18.

Collection bins are located in the Student Center (in the Commons and near the second floor information desk) and Smithgall Student Services (Flag) Building (on both the first and second floors). Employees can also participate in the packaging event on Friday, Aug. 18, at 5 p.m. in the atrium of the

Flag Building.

Donations will be used by the Atlanta Mission for critical needs kits that are given to shelter residents. Supplies for these kits are one of the most pressing needs, as hygiene items tend to be donated less frequently.

see **ACT**, page 2

## NEWS BRIEFS

### Record 184 Yellow Jackets Named to ACC Honor Roll

Three student-athletes earned the recognition for the fifth time. Track and field led the way for the Jackets, with 61 student-athletes on the honor roll. Swimming and diving added 28 honorees to the list, followed by football with 26 and baseball with 19.

[c.gatech.edu/acchonorroll](http://c.gatech.edu/acchonorroll)



### A Brand New Age of Learning

The Summer 2017 issue of the *Georgia Tech Alumni Magazine* focuses on teaching, learning, higher education, and how Tech is leading the way. Read it online at:

[gtalumimag.com](http://gtalumimag.com)



## IN THIS ISSUE

Update on Executive Order and Travel Visas | **2**

Seeing Campus through a New Lens | **3**

Going, Going, Gone: Making Way for a New Facility | **4**



EVENTS

TRAININGS AND WORKSHOPS

July 14

Workplace Learning and Professional Development hosts a free training class on *Seizing Your Career the Georgia Tech Way*, from 9 a.m. to noon in Room 149, Global Learning Center. Register at: [trains.gatech.edu](http://trains.gatech.edu)

July 17–18

The Office of Sponsored Programs hosts a Responsible Conduct of Research workshop from noon to 2 p.m. in Room L1105, Ford ES&T Building. [rcr.gatech.edu/workshops](http://rcr.gatech.edu/workshops)

July 18

The Georgia Tech Library hosts a patent search class from noon to 2 p.m. in the Homer Rice Center, ground floor, Georgia Tech Library. An additional class will take place on Aug. 8 at the same time and location. Register at: [library.gatech.edu](http://library.gatech.edu)

July 20

Workplace Learning and Professional Development hosts a free class on the *POWER of Writing*, from 8:30 a.m. to 12:30 p.m. in Room 149, Global Learning Center. Register at: [trains.gatech.edu](http://trains.gatech.edu)

July 25

Workplace Learning and Professional Development hosts a free training class on *Conflict Management: An Exercise in Enriching Relationships*, from 9 a.m. to 4:30 p.m. in Room 149, Global Learning Center. Register at: [trains.gatech.edu](http://trains.gatech.edu)

July 25

Learn how to leverage the capabilities of the new campus space reservation system through an online webinar at 11 a.m. or 3 p.m. The webinar will take place again on July 26 at 9 a.m., noon, and 3 p.m. [c.gatech.edu/space](http://c.gatech.edu/space)

HEALTH AND WELLNESS

July 12

The Office of Human Resources hosts the Be Well session *Smoke-Free Atlanta: Learn About the Possibilities* from noon to 1 p.m. in Room 229, Human Resources Building. [ohr.gatech.edu/bewell](http://ohr.gatech.edu/bewell)

EVENTS continued on page 3



Photo by Jerome Stephens

Students pack donations during the Small Act Big Impact packaging event in 2014.

ACT, from page 1

- The Atlanta Mission requests:
- Travel-sized shampoo, conditioner, lotion, soap, and body wash.
  - Liquid hand soap with pump dispenser.
  - Hand sanitizer (large containers).
  - Band-aids.
  - Toilet paper.
  - Composition notebooks.
  - Art supplies (construction paper, glue, pipe cleaners, and tape).
  - Plastic baggies (quart size).

The Atlanta Mission provides emergency shelter, temporary shelter, recovery programming, job attainment, and transitional housing for more than 1,000 men, women, and children daily.

For more information, visit [c.gatech.edu/smallact](http://c.gatech.edu/smallact) or contact Sarah Perkins, assistant director of Civic Engagement, at [sarah.perkins@gatech.edu](mailto:sarah.perkins@gatech.edu).

Update on Immigration Executive Order and Travel Visas

On Monday, June 26, the U.S. Supreme Court partially granted the government’s request to stay preliminary injunctions on the 90-day travel ban in section 2(c) of Executive Order 13780. This decision will result in section 2(c) being enacted except under certain conditions. Enforcement will result in the travel ban for individuals from Iran, Libya, Somalia, Sudan, Syria, and Yemen “who lack a credible claim of a bona fide relationship with a person or entity in the United States.”

While the Court cited several examples of such “bona fide relationships” — such as students admitted to a U.S. college or university or individuals employed by U.S. entities — further guidance from the State Department is needed regarding full application of these rules. The Supreme Court will hear arguments on this case in October, and a final decision is expected during the 2017-18 academic year.

In addition, the Court formally lifted the injunction on the section outlining the government’s study which could lead, under section 2(e) of the executive order, to an indefinite ban on entry by nationals of countries that do not provide the U.S. government with sufficient information on citizens who are applying for U.S. visas or immigration benefits.

Georgia Tech’s Office of International Education (OIE) and Global Human Resources will continue to stay abreast of the changes and provide updates as they are available. International students, staff, and faculty are encouraged to contact OIE for individual guidance if they are planning to travel or study abroad. Information will continue to be shared at [gatech.edu/travel-visas](http://gatech.edu/travel-visas).



CREATING THE NEXT HOME AWAY FROM HOME



Photo by Rob Felt

Brett Hulst, associate director of Residence Life for the Department of Housing, helps students successfully settle into their new accommodations on campus. “When first-year students feel connected socially and academically to the Institute through the Freshman Experience Program’s resources like in-house peer leaders, Learning Assistance Program tutors, and hall directors, they find the links to be successful at Georgia Tech and make it feel like their home.” Learn about how others are “creating the next” at [c.gatech.edu/ctnstaff](http://c.gatech.edu/ctnstaff).

Phillips Named Associate Provost for Academic Effectiveness

SUSIE IVY  
INSTITUTE COMMUNICATIONS

Loraine H. Phillips will be the first to hold the newly created role of associate provost for Academic Effectiveness.

In this role, Phillips will lead the new Office of Academic Effectiveness, officially established in February to centralize academic assessment, academic program review and planning, and accreditation duties into a stand-alone office reporting directly to the provost.

“Loraine brings many years of assessment expertise at both the institutional and programmatic levels,” said Rafael L. Bras, provost and executive vice president for Academic Affairs and the K. Harrison Brown Family Chair. “That experience will serve her well in the new position as we formalize the Institute’s strategic assessment and accreditation activities.”

Phillips comes to Georgia Tech from the University of Texas – Arlington, where she has been serving as assistant vice provost for Institutional Effectiveness and Reporting since 2013. Her academic career spans nearly 25 years as a faculty member and administrator at UT-Arlington, Texas A&M, and Blinn College. She brings extensive experience with academic affairs initiatives, including Quality Enhancement Plans, core curriculum development and assessment, and service as the liaison to the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) at UT-Arlington, among others.

“Higher education is facing changing dynamics, many of which hinge upon the student experience,” said Phillips. “I look forward to joining Georgia Tech and developing programs that will strengthen the Institute’s strategic vision for student success going forward.”

Phillips holds a Ph.D. in Educational Human Resource Development and an M.Ed. in Curriculum and Instruction from Texas A&M, and a Bachelor of Science in Education from Indiana University. She will join Georgia Tech on Aug. 1.



Loraine Phillips



# Seeing Campus through a New Lens

## Biomedical Researcher Finds Beauty in Nature on Campus

STACY BRAUKMAN  
INSTITUTE COMMUNICATIONS

Yumiko Sakurai, a researcher in the Wallace H. Coulter Department of Biomedical Engineering, has spent years walking around Georgia Tech. Like most of us, she had been thinking more about work than about the robin calling down from a dogwood or the squirrel skittering across her path.

But one day last spring, as she passed by the Roger and Helen Krone Engineered Biosystems Building (EBB), Sakurai paused and took a long look around at the wetland pond and the trees, shrubs, and vegetation near the building. For the first time, she really noticed that the campus was alive (and, yes, abuzz) with a dazzling display of nature — flora, fauna, and an array of insects and birds.

Until that point, Sakurai had been an enthusiastic recreational photographer who mostly took pictures of family vacations and travels. But now she was inspired to start bringing her Canon EOS 70D with her to the Marcus Nanotechnology Building every day. After that, her view of the Tech campus changed completely.

“For me, photography is a way to appreciate nature,” she explains. “I like it because I can capture things I can’t see in detail with my eyes. But with a camera, you can see so much — you can capture the detail of a flying bird that you wouldn’t normally see. Or a close-up of a bee. I really enjoy that.”

Before work and during lunchtime, Sakurai says, “I take my camera and explore different parts of the campus, with different varieties of trees and flowers. If there are interesting birds, or butterflies, dragonflies, and other insects, I will take a few pictures. The diverse flowers and plants attract a wide variety of butterflies in particular, from the monarch and the American lady to the eastern tiger swallowtail.” In addition to EBB, her favorite locations to photograph campus wildlife are the rooftop garden at Clough Commons and the area surrounding the Student Center.

It is not surprising that so many spaces offer spectacular nature viewing. The Tech campus boasts more than 12,000 trees and 4 million square feet of canopy cover. For nearly a decade, Georgia Tech has been nationally recognized by the Arbor Day Foundation for its efforts to



Photo by Rob Felt

Yumiko Sakurai shoots with a Canon EOS 70D. Her favorite locations to photograph campus wildlife are the Krone Engineered Biosystems Building (where she captured the monarch butterfly image below), rooftop garden at Clough Commons, and the area surrounding the Student Center, where she captured the robin below.



Photo by Yumiko Sakurai



Photo by Rob Felt



Photo by Yumiko Sakurai

promote healthy trees and engage the campus community in the spirit of conservation.

Sakurai, who holds bachelor's and master's degrees from the University of Tsukuba in Japan, is a biologist by training. As a researcher in Associate Professor Wilbur Lam's lab, where she has worked since 2011, she focuses on hematology, blood disease,

and the application of engineering and microfabrication in designing devices for medical and clinical use.

Outside of the lab, however, she has discovered a new appreciation for the natural world. And she has learned a lot along the way. “I have always liked animals and nature and so on, but I never really tried to identify them or

find out more about them until I started photographing them,” Sakurai says.

She hopes to expand her photographic purview to a new species the next time Capital Planning and Space Management brings kudzu-eating sheep to campus. “I want to take pictures of them! I didn't have a camera when I saw them.”

## EVENTS

### July 26

The Office of Human Resources hosts a Be Well session on *Tips for Healthy Eyes* from noon to 1 p.m. in Room 101, Scheller College of Business.

[ohr.gatech.edu/bewell](http://ohr.gatech.edu/bewell)

## ARTS & CULTURE

### July 15

Flicks at Tech hosts a screening of *Hidden Figures* from 8 to 11 p.m. on Tech Green.

[flicks.studentcenter.gatech.edu](http://flicks.studentcenter.gatech.edu)

## MISCELLANEOUS

### July 12

Student teams will present their summer work at Startup Launch Product Day from 5 to 7 p.m. in the Klaus Advanced Computing Building Atrium.

[createx.gatech.edu](http://createx.gatech.edu)

### July 17–18

First-year students will be on campus for FASET orientation. Additional sessions take place July 20–21, July 27–28, July 31–Aug. 1, Aug. 13–14, and Aug. 15–16.

[nssp.gatech.edu](http://nssp.gatech.edu)

### July 19

The Staff Council hosts a general meeting from 10:30 a.m. to noon in the Crescent Room, Student Center. RSVP to [leslie.hall@itg.gatech.edu](mailto:leslie.hall@itg.gatech.edu).

[staffcouncil.gatech.edu](http://staffcouncil.gatech.edu)

### July 19–20

Undergraduate students present summer research with the College of Sciences from 10 a.m. to 3 p.m. in Rooms G021 and 1201A (July 19), and Room 3201A (July 20) in the Molecular Sciences and Engineering Building.

[cos.gatech.edu](http://cos.gatech.edu)

### July 24–25

Final Instructional Class Days for full summer session.

[registrar.gatech.edu](http://registrar.gatech.edu)

### July 25

The Student Alumni Association hosts a Graduate Student Summer Dinner at 6 p.m. at the Biotech Quad.

[gtsaa.com](http://gtsaa.com)

### July 27 – Aug. 3

Final exams for Full and Late Short Summer sessions.

[registrar.gatech.edu](http://registrar.gatech.edu)

### July 29

Atlanta United F.C. hosts Orlando City at 5 p.m. at Bobby Dodd stadium. Discounted tickets are available.

[c.gatech.edu/atlutdgt](http://c.gatech.edu/atlutdgt)

For a more comprehensive listing of events, or to add your own, visit [calendar.gatech.edu](http://calendar.gatech.edu).



# GOING > GOING > GONE

## SOMETIMES, WHAT GOES UP MUST COME DOWN

Construction is booming in Atlanta, and the Georgia Tech campus has its share, including a project at the corner of 10th Street and Hemphill Avenue.

Over the past several months, the building at 490 10th Street was demolished to make space for the Campus Safety Facility, which will be the new home of the Georgia Tech Police Department. The buildings included a former church and its annex. The building was last used as a church in 1988, and part of the sanctuary was used as a call center during the 1996 Olympic Games.

During the demolition, some elements of the building were carefully salvaged and will be reused in the Living Building at Georgia Tech. Others were salvaged and sent to the Lifecycle Building Center, a local nonprofit founded by Tech alumni that works to keep construction materials out of landfills and give them new life.

**Photos:** (1) Demolition of the annex building was underway earlier this summer and is now complete. (2) Peeling paint and a water-damaged ceiling filled a space that once was used for choir practice. (3 and 4) Assorted curious items were found in the office and lab spaces. (5) The steeple was carefully removed in sections.



Written by Victor Rogers // Photos by Rob Felt



### NEURO, from page 1

turn in my paper to switch.”

Heo’s original major was psychology — and she is keeping that as a minor, along with a double major in international affairs — but she sees neuroscience as a way to put her studies on a more quantitative footing. “Along with psychology, I wanted to focus more on hard research, specifically on brain activity and working with quantitative data,” she says.

Heo has gotten a taste of neuroscience already as a student assistant in the lab of Associate Professor of Psychology Eric Schumacher, whose research uses

functional magnetic resonance imaging (fMRI) and other experimental techniques to investigate the neural mechanisms for vision, attention, memory, learning, and cognitive control.

Schumacher is one of more than 50 faculty members from disciplines across Georgia Tech who are involved in neuroscience research — and have been for years. But however collaborative, widespread, and even world-renowned these neuroscience efforts have been, what they have lacked, Cope suggests, is “community.”

He and many others anticipate this new undergraduate degree will build that necessary

component, for both faculty and students. “It’s a very important, symbolic event in the development of neuroscience on this campus,” he says.

### NeuroX Factor

Getting from neuroscience activity to neuroscience community at Georgia Tech has been something of a journey, starting with the formation of a “NeuroX” committee back in 2014 and ending with the Board of Regents approval for the new undergraduate degree a few months ago.

To reach this place, certain boxes had to be checked. It was not enough that faculty

were engaged in neuroscience and students wanted it — although that was clearly the case. Every time the Institute offered a neuroscience course, it maxed out, and professors were constantly asked if there would be more courses, or if they could open up another section.

Still, Cope points out, “It’s a legitimate thing for the administration to think about these things exceedingly carefully. No university can be everything — there’s a limit to resources and we have to be strategic with our planning.”

*This is an abridged version of this article. Read the full story at [c.gatech.edu/bsneuro](http://c.gatech.edu/bsneuro).*

## CLASSIFIEDS

### REAL ESTATE/ ROOMMATES

3BR house for rent in Marietta. About 30 minutes from Tech. \$950/mo. Available July 1. Call 770 855-5647.

Second floor unfurnished condo w/ balcony overlooking quiet courtyard. 15-min. walk to Tech, 3-min. walk to Stinger Green Route. Unit comes with gated parking garage and reserved parking space, refrigerator, W/D, granite counters, custom closet, access to pool and gym. 24-hour security on property. Non-smoking unit, prefer no pets. Walking distance to Atlantic Station. Available for 1-year lease. \$1,350/mo. OBO. Includes water, trash. Contact yangtzepritt@yahoo.com.

Male employee seeking roommate to share 1BR apartment near Lenox MARTA Station. Very quiet, near shopping. Contact Jose, 404-904-0202.

3BR/3BA plus bonus room on quiet cul-de-sac, 6 mi. from Tech near Lenox. \$1,950/mo. Good credit and deposit (\$3,000) required. Lawn service included in rent; utilities not included. Roommates are welcome. No smokers. Contact mrrobert@comcast.net or 404-315-6962. For a virtual tour and more information, visit 1732dunwoodyplace.com.

Looking for young working professional, graduate student, or visiting professor to rent private bedroom and bath (w/ access to all living spaces) in Buckhead. \$800/mo. Includes utilities, cable, internet, parking. Fully furnished large condo in small private community. Neat, clean home. Walking distance to food markets, restaurants, entertainment, shopping, public transit. Have rented to Italian doctoral student, Brazilian banker, semi-pro soccer player. Referrals on request. Request 1-year agreement. Contact 404-514-7662, rebadarr@gmail.com.

### MISCELLANEOUS

Vintage 1960s Magnavox AstroSonic console stereo unit. Working turntable and radio w/ auxiliary input. Speakers need some work. Cabinet in excellent condition and has good sound. Asking \$75. Call 404-735-7611 or email james.corbett@gttri.gatech.edu.

Oak table, 48-in., round, four legs, w/ two 10-in. extensions and six fancy-back chairs. \$170. Contact james.cagle@mse.gatech.edu.

New in box Maytag s/s kitchen appliances: 27 cu. ft. french door refrigerator, 6 cu. ft. convection double oven, 2 cu. ft. over-the-range microwave, s/s interior dishwasher w/ Powerblast. \$3,600 for all. Call 770-652-9911.

Free yellow jacket nest removal. Nests to be used for research in the School of Biology. Call 404-385-6311 or e-mail michael.goodisman@biology.gatech.edu.

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