



## Emory and Atlanta

The Emory campus is located six miles northeast of downtown Atlanta. The ninth largest U.S. metropolitan area, Atlanta is home to state government, regional centers of the U.S. government, and numerous corporations and organizations like the American Cancer Society, the U.S. Centers for Disease Control and Prevention, the King Center, The Carter Center, CNN and Coca-Cola. It is also a major center for higher education, which includes Emory, the Georgia Institute of Technology, Georgia State University and 16 other colleges and universities.

Here's what past participants have said:



“... a very helpful and motivating experience for prospective researchers.”



“... transformed my perception of myself as a scientist.”



“It honestly gave me confidence in myself as a scientist that I had never felt before.”

“It felt like each student, undergraduate and graduate alike, was an individual that Emory truly cared about and not a number.”



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# EMORY UNIVERSITY – LANEY GRADUATE SCHOOL STEM RESEARCH AND CAREER SYMPOSIUM

## September 30 – October 2, 2018 Emory Conference Center

In collaboration with Emory College, Rollins School of Public Health and the Emory University Office of the Provost.

Participants include the Graduate Division of Biological and Biomedical Sciences, the MD/PhD Medical Scientist Training Program, Public Health Sciences and the graduate programs of Chemistry, Computer Science and Informatics, Mathematics, Nursing, Physics and Psychology.



EMORY  
LANEY  
GRADUATE  
SCHOOL

Diversity in Action

# The symposium brings undergraduates and faculty advisors to Emory for presentations, networking, mentoring, and recruitment.

Convened and organized by Laney Graduate School, the goal of the symposium is to bring faculty advisors and their students to the Emory campus for two days of shared research presentations and for networking, mentoring, and recruitment. Participants will include outstanding undergraduates intending to pursue the PhD and the MD/PhD degree. Faculty advisors are also encouraged to attend and learn about the opportunities Emory offers.

Students are required to submit abstracts of their research for review by a selection committee of Emory training faculty from science, technology, engineering and mathematics (STEM)-related programs, including those doctoral programs that align with the MD/PhD program. Ten students will be selected to give oral presentations and all others will present their research in a poster session.

There will be ample opportunity to meet with faculty and students of the participating programs, including training grant programs. Professional development sessions will cover topics relevant to students at this stage of their career and advisors of such students.

Trainees from diverse backgrounds (to include ethnicity, race, economic status, disability, educational experience, first generation status, and in some cases, gender) can apply for diversity travel awards that will provide for travel and housing for the student and possibly her/his advisor.

A wide breadth of abstract categories are covered, including:

- Biochemistry
- Bioethics
- Biomedical Engineering
- Biostatistics
- Cell Biology
- Cancer Biology
- Chemistry
- Computer Science
- Developmental Biology
- Environmental Health and Sciences
- Epidemiology
- Genetics
- Immunology
- Materials Science
- Mathematics
- Microbiology
- Neuroscience
- Nutrition
- Pharmacology
- Physics and Astronomy
- Physiology
- Population Biology, Ecology and Evolution
- Psychology and Behavioral Sciences

We encourage underrepresented minority students, students with disabilities, and economically disadvantaged students who are pursuing a career in STEM disciplines to apply.

## Schedule at a Glance

- Sunday, Sept 30** Keynote Remarks by Dr. Charlie Garnett-Benson  
Welcome Reception
- Monday, Oct 1** Student Oral Presentations  
Poster Sessions  
Small Group Discussion in Area of Interest  
Dinner with Keynote Remarks by Dr. José Bowen  
Bowling and Billiards (Social Event)
- Tuesday, Oct 2** Professional Development Sessions  
Campus Tours  
Round Table Discussions with Emory Faculty for Advisors

## Keynote Speakers



**José Antonio Bowen, PhD** is President of Goucher College. Bowen has won teaching awards at Stanford, Georgetown, Miami and Southern Methodist University where he was Dean of the Meadows School of the Arts. He has written over 100 scholarly articles, edited the Cambridge Companion to Conducting (2003), is an editor of the 6-CD set, *Jazz: The Smithsonian Anthology* (2011), and has appeared as a musician with Stan Getz, Bobby McFerrin, and others. He has written a symphony (nominated for the Pulitzer Prize), music for Hubert Laws and Jerry Garcia, and is the author of *Teaching Naked: How Moving Technology Out of Your College Classroom Will Improve Student Learning* (Jossey-Bass, 2012), which was the winner of the Ness Award for Best Book on Higher Education from the American Association of Colleges and Universities. Stanford honored him as a Distinguished Alumni Scholar in 2010. See his blog at [teachingnaked.com](http://teachingnaked.com), follow him on Twitter @josebowen or watch his Teaching Naked TED talk.



**Charlie Garnett-Benson, PhD** is an Associate Professor of Biology at Georgia State University. She is an alumna of Emory University, where she received her PhD in Immunology & Molecular Pathogenesis. She completed a postdoctoral fellowship at the NIH, where she was the recipient of a Cancer Research Training Award Fellowship from the National Cancer Institute for her novel work investigating the integration of recombinant tumor vaccines with other therapeutic modalities, such as radiation, chemotherapy, cytokines and Toll-like receptor agonists. Her research group at Georgia State focuses on defining the mechanisms of enhanced immune attack against sub-lethally irradiated carcinoma cells, and explores the potential use of sub-lethal doses of radiation to specifically enhance immunotherapy strategies and will extend the use of radiation in new directions. Results could be used to define a molecular signature(s) for tumor sensitivity to immune attack against solid tumors. A second, but equally exciting, area of investigation is to examine the interactions of human Species C Adenoviruses with lymphocytic cells. The goal is to characterize the latent/persistent phase of the virus's life cycle in humans and to reveal whether this virus contributes to some acute leukemias in children.

## Apply to Attend



- Visit [gs.emory.edu/STEM](http://gs.emory.edu/STEM) to apply
- You will be asked to submit an abstract, CV and one recommendation from a program or research advisor
- The primary application deadline is May 1, 2018.
- The second application deadline is August 1, 2018.  
This date is for students who are involved in summer research that would provide them their first opportunity to write an abstract

