BIOENGINEERING AND BIOSCIENCE
CREATING THE NEXT IN BIO-RESEARCH

OUR MISSION:
To build a community within Georgia Tech and our partner institutions that catalyzes, cultivates, and deploys interdisciplinary research and education in bioengineering and the biosciences for economic and societal benefit.

The Petit Institute is "creating the next" in bio-research, supporting 234 faculty members, more than 1000 graduate students and postdocs, and 19 research centers including the National Science Foundation's Engineering Research Center in Cell Manufacturing Technologies. The interdisciplinary research institute supports a variety of education programs, and serves as headquarters of Georgia Tech's highly-ranked, multidisciplinary graduate programs in bioengineering, quantitative biosciences, and bioinformatics.

Additionally, the Petit Institute is home base for a cutting-edge high school program, Project ENGAGES, which provides a comprehensive research experience for minority high school students. And each year, a new class of Petit Undergraduate Research Scholars, from Atlanta area universities, develops and conducts their own research projects for a full year.

Also, Georgia Tech's largest, most diverse graduate student group, BBUGS (Bioengineering and Bioscience Unified Graduate Students) is based in the Petit Institute.
I am honored to be the executive director of the Petit Institute for Bioengineering and Bioscience at such an exhilarating time for our bio-community. As I write this, we have more than 220 interdisciplinary faculty researchers (engineers, scientists, and clinicians) and 1,300 trainees leveraging almost $90 million in research funding for discoveries that will transform health care and improve the global human condition.

Also, with approximately 20,000 people attending more than 400 events hosted by the Petit Institute in 2018, I am reminded of three words that perfectly describe our geographic strength: location, location, location. This is obviously the place to be. With our state-of-the-art core facilities, generous seed funding to support projects in the critical early stages, our 19 multidisciplinary research centers, and a thriving entrepreneurial spirit, we are well equipped to “Create the Next,” whether it is the next collaborative discovery, the next educational opportunity, or the next startup company.

I want to thank our faculty, trainees, and staff for helping to make my job so thrilling, and I look forward to leading the Petit Institute into an innovative, limitless future.

Andrés J. García, Ph.D., F.B.S.E.
Executive Director, Parker H. Petit Institute for Bioengineering and Bioscience
Petit Director’s Chair in Bioengineering and Bioscience
Regents’ Professor, George W. Woodruff School of Mechanical Engineering
Georgia Institute of Technology

The Petit Institute for Bioengineering and Bioscience is a crossroads of interdisciplinary research, where engineers, scientists, and clinicians are tackling complex research problems, and striving to turn discoveries into game-changing healthcare solutions.
Growing the Bio-Community

Educating the Next Generation of Bio-Researchers

- 275 students in the interdisciplinary graduate programs in 2018 (bioengineering - 120, quantitative biosciences - 25, and bioinformatics - 130)
- 103 High School Students Served by Project ENGAGES since it was launched in 2013
- 65 College scholarships earned by Project ENGAGES students
- 17 Petit Scholars from Georgia Tech, Georgia State University, Emory University, and Morehouse College in 2019
- 280+ Petit Scholars in 20 years of the program
- 200+ BBUGS members
- 1000+ Graduate Students and Postdocs

- 234 Faculty Members
- 112 Engineers
- 91 Scientists
- 31 Clinicians
- 19 Research Centers
- 16 Core Facilities
EVENTS
The Petit Institute set new records for the number of events hosted in 2018

426 Total events
19,779 Total attendees to Petit events

RESEARCH FUNDING
6.6% PHILANTHROPY
2.5% DOD includes Army, Air Force, Navy

$89.7 MILLION

16.1% SUBCONTRACT
16.2% NSF

34% DHHS
19% INDUSTRY
3.8% NASA

COMMERCIALIZATION > 20+
Startups