



## NSF & GEORGIA

### FAST FACTS

**\$171,171,000**

Total NSF awards to Georgia in FY19

**\$140,757,000**

Amount invested in fundamental research in Georgia in FY19

**\$30,414,000**

Amount invested in STEM education in Georgia in FY19

**\$5,521,000**

Amount invested in Georgian startups through NSF's small business program in FY19

### TOP 3 NSF-FUNDED ACADEMIC INSTITUTIONS FOR FY19

**\$86,107,000**

Georgia Tech

**\$37,250,000**

University of Georgia

**\$12,879,000**

Emory University

In fiscal year (FY) 2019, the **National Science Foundation (NSF)** made **\$171,171,000 in awards** to Georgia in support of fundamental research, advanced technical education, entrepreneurial training, STEM teacher training, long-term ecological monitoring, small business development, major research instrumentation and more.

### DID YOU KNOW?

**DISCOVERY** | Cell-based therapies could revolutionize treatments of unsolved and chronic medical conditions, thus making a transformative impact on global health and the economy. Despite numerous clinical trials and a growing industry commitment,

no concerted effort has been made to enable scalable manufacturing of therapeutic cells as an effective, safe, reproducible and affordable product with standardized characterization and quality control. **Georgia Tech's** Engineering Research Center for Cell Manufacturing Technologies is leading a national, comprehensive, convergence-science effort where engineers will work closely with industry partners, clinicians, biologists and workforce experts, as well as standards and regulatory agencies, to transform the production of therapeutic cells into a large-scale, low-cost, reproducible and high-quality engineered manufacturing process.

**STEM WORKFORCE DEVELOPMENT** | With an emphasis on two-year colleges, NSF's Advanced Technological Education (ATE) program focuses on the education of technicians for the high-technology fields that drive the nation's economy. The program involves partnerships between academic institutions and industry to promote improvement in the education of science and engineering technicians at the undergraduate and secondary school levels. **Albany Technical College** is helping to plan and deliver educational programs specific to industry needs in the state of Georgia. This ATE project will address the growing demand for skilled technicians and a diversified labor force by harnessing Albany Technical College's Civil, Electrical and Computer, and Electromechanical Engineering Technology programs to educate highly skilled technical workers for industry.

**SUPPORTING STUDENTS** | **\$8,954,245 in FY 2019 in support of graduate students** through NSF's flagship Graduate Research Fellowship Program, which supports students pursuing master's and doctoral degrees in STEM disciplines.

**SCIENCE AND ENGINEERING INDICATORS** | **4.79% of the Georgia workforce is employed in S&E occupations** and 10.19% of Georgia business establishments are industries with high employment in science, engineering and technology occupations<sup>+</sup>



An aerial photograph of Sapelo Island shows an example of salt marsh die-off in coastal Georgia. **Image Credit:** NSF Georgia Coastal Ecosystems LTER Site

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 nsf.gov/transform.pdf

<sup>+</sup> National Science Board, National Science Foundation. 2020. Science and Engineering Indicators 2020: The State of U.S. Science and Engineering. NSB-2020-1. Alexandria, VA. Available at <https://nces.nsf.gov/pubs/nsb20201/>.