ABOUT GEORGIA STATE

Georgia State, an enterprising public research university in Atlanta, is a national leader in graduating students from diverse backgrounds. The university provides its accomplished faculty and more than 53,000 students with unsurpassed connections to the opportunities available in one of the 21st century’s great global cities.

The institute offers three unique interdisciplinary degrees in partnership with the J. Mack Robinson College of Business and the College of Law:

UNDERGRADUATE
• BACHELOR OF INTERDISCIPLINARY STUDIES IN BIOMEDICAL SCIENCE & ENTERPRISE
  Prepares undergraduate students for employment or advanced degrees, grounding them in science, entrepreneurship, and ethical and legal affairs

GRADUATE
• MASTER OF INTERDISCIPLINARY STUDIES IN BIOMEDICAL ENTERPRISE
  Teaches students how to bring biomedical advances from the lab into the marketplace

• DOCTOR OF PHILOSOPHY IN TRANSLATIONAL BIOMEDICAL SCIENCES
  Combines classroom education, professional development and research training alongside the institute’s renowned faculty
The Institute for Biomedical Sciences maintains collaborative relationships with other universities, government agencies and the biotechnology industry. Our partners include:

- Amgen
- Boston University
- Centers for Disease Control and Prevention
- Cornell University
- Emory University
- Georgia Institute of Technology
- Harvard University
- Kumamoto University, Japan
- Medical Research Council, United Kingdom
- National Institute of Infectious Diseases, Japan
- UCB Inc.
- University of Bern, Switzerland
- University of Michigan
- Yale University

Home to three research centers, the institute seeks to expand scientific knowledge of human disease and improve the lives of those with serious health conditions.

**RESEARCH CENTERS**

- **CENTER FOR INFLAMMATION, IMMUNITY & INFECTION**
  Studies inflammatory diseases at the molecular level and develops novel therapeutic strategies

- **CENTER FOR MICROBIAL PATHOGENESIS**
  Analyzes the molecular basis of life-threatening infectious diseases such as Ebola virus disease and tuberculosis and works to create new therapies and treatments

- **CENTER FOR TRANSLATIONAL IMMUNOLOGY**
  Investigates the cellular and molecular components of the immune system to better understand complex diseases and processes

**RESEARCH FACILITIES**

The Institute for Biomedical Sciences has advanced facilities in the Petit Science Center and Research Science Center buildings, including:

- Advanced imaging and confocal microscopy core
- Biosafety level 3 and 4 laboratories
- Flow cytometry core
- Germ-free animal facility
- Histopathology core

**AREAS OF RESEARCH STRENGTHS**

- **Infectious diseases:** Ebola, flu, respiratory syncytial virus (RSV), measles, sexually transmitted infections, HIV, Streptococcus pneumoniae
- **Inflammatory diseases:** inflammatory bowel disease, chronic obstructive pulmonary disease, otitis media, autoimmune diseases
- **Cardiovascular diseases, diabetes and metabolic disorders**
- **Vaccines:** flu, RSV, HIV, gonorrhea
- **Translational immunology**
- **Diagnostics and biomarkers**
- **Therapeutics and nanomedicine**

**COLLABORATION**

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