

INSTITUTE FOR BIOMEDICAL SCIENCES



By the NUMBERS

THREE

INNOVATIVE DEGREE PROGRAMS

40

FACULTY MEMBERS

THREE

GEORGIA RESEARCH ALLIANCE EMINENT SCHOLARS AMONG FACULTY

DOUBLED

FEDERAL FUNDING AWARDED FOR IBMS RESEARCH

over the past five years

GEORGIA STATE UNIVERSITY'S INSTITUTE FOR BIOMEDICAL SCIENCES

provides world-class interdisciplinary training for the next generation of biomedical science leaders who are poised to fill diverse roles based in academia, biotechnology, pharmaceuticals, entrepreneurship, consulting, outreach, government and other fields.

Our degree programs bridge the gap between basic laboratory research and its clinical applications by pairing a foundation in science with courses in business and law. By cultivating high-demand skills — including critical thinking, problem solving and communication — we are preparing our graduates for success in the modern workplace.

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.

DEGREES OFFERED

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

RESEARCH CENTERS

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.

- **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

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



CONNECT WITH US

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