

OUR MISSION is to advance the science and practice of biostatistics and bioinformatics through research, teaching, and collaboration.

We are Family! Our Department has a small student to faculty ratio allowing us to join together in many activities such as the annual winter holiday party featuring an indoor golf tournament, champagne toasts to celebrate successful PhD defenses, and our annual department graduation party and awards ceremony.



APPLY

SPH.EMORY.EDU/ADMISSIONS/HOW-TO-APPLY/

The Department of Biostatistics and Bioinformatics seeks students with strong quantitative skills who are interested in the biomedical or health sciences.

ADMISSIONS REQUIREMENTS FOR BIOSTATISTICS DEGREES:

Linear Algebra, Multivariate Calculus, 50th Percentile for GRE scores

ADMISSIONS REQUIREMENTS FOR MSPH IN PUBLIC HEALTH INFORMATICS:

Database experience

FUNDING

Rollins offers scholarships, financial aid awards, and work-study that allows graduate students to

support their academic interests with applied public health experience through the Rollins Earn and Learn (REAL) Program. In fact, more than 500 Rollins students take advantage of the paid work opportunities available through REAL each year.

sph.emory.edu/admissions/tuition/ways-to-pay/

CONTACT US

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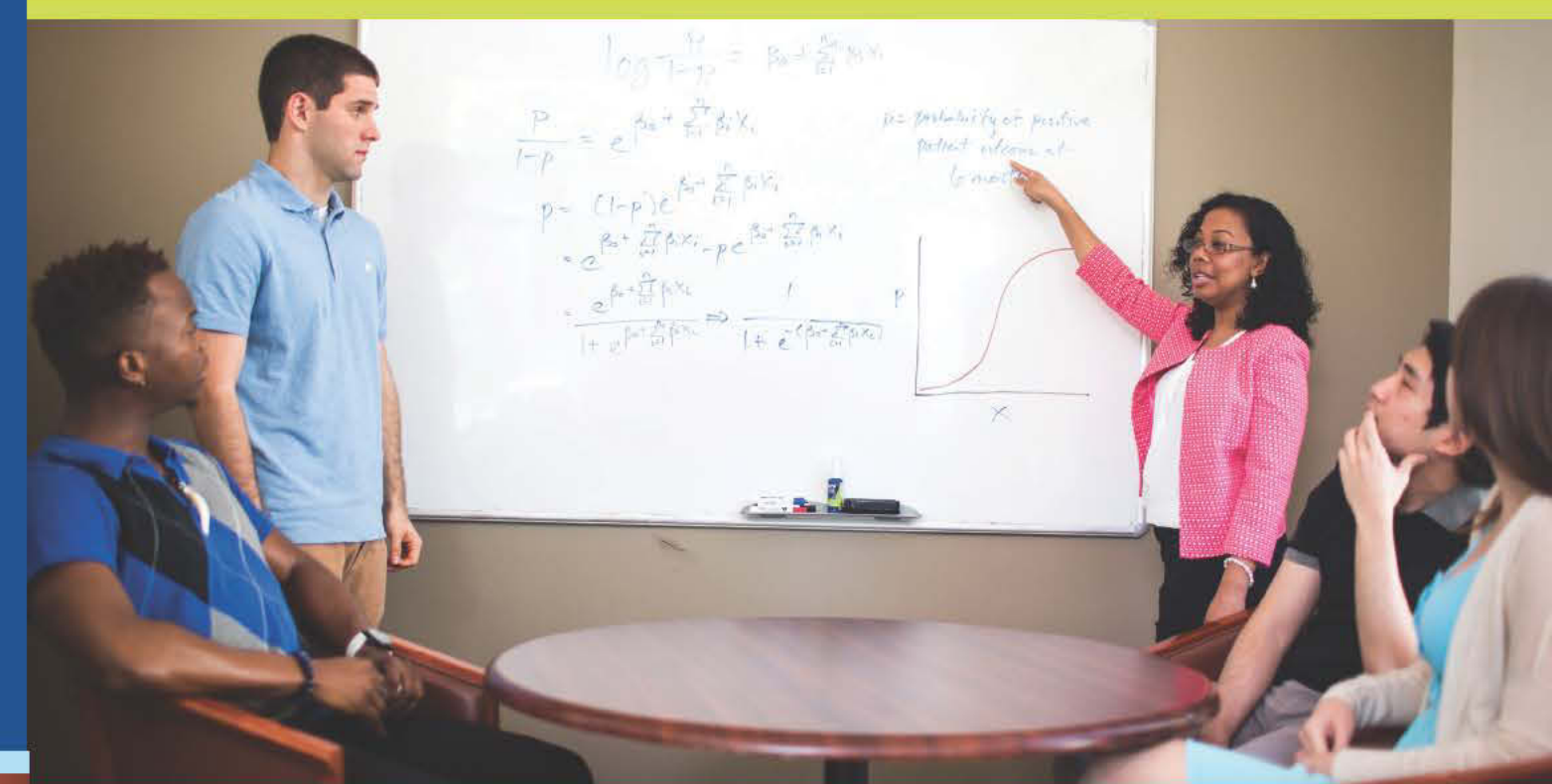
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BIOSTATISTICS AND BIOINFORMATICS

SPH.EMORY.EDU/DEPARTMENTS/BIOS/



Quantifying
PUBLIC HEALTH



EMORY

ROLLINS
SCHOOL OF
PUBLIC
HEALTH

PREPARING COLLABORATIVE SCIENTISTS FOR A DATA RICH FUTURE

EMORY BIOS TRAINS STUDENTS TO:

- ✓ Be scientific detectives and gatekeepers
- ✓ Design studies and experiments
- ✓ Coordinate data collection procedures
- ✓ Apply analytic methods tailored for specific research questions
- ✓ Translate statistical results for public health and biomedical conclusions

- ✓ Use statistical software for data management and analysis
- ✓ Conduct quantitative analysis of high-dimensional biologic data and big data
- ✓ Be problem solvers

DEGREES

- BA/MSPH in Biostatistics
- MPH in Biostatistics
- MSPH in Biostatistics
- MSPH in Public Health Informatics
- PhD in Biostatistics (Laney Graduate School: gs.emory.edu/)

LIVE AND LEARN IN THE PUBLIC HEALTH CAPITAL OF THE WORLD

Atlanta is home to the Centers for Disease Control and Prevention (CDC), CARE, the American Cancer Society, the Carter Center, the Arthritis Foundation, and numerous state and regional health agencies.

Emory University's Woodruff Health Sciences Center has extensive patient care, teaching, and health-related research programs.



REAL WORLD EXPERIENCE

PRACTICUM AND INTERNSHIP EXPERIENCES

BIOS students collaborate with an array of agencies and businesses such as:

- American Cancer Society
- Boston Scientific
- CARE International
- CDC
- Children's Healthcare of Atlanta
- Eli Lilly and Company
- Emory School of Medicine
- Georgia Institute of Technology
- Grady Hospital
- SAS Institute
- VA Hospital

COLLABORATIVE RESEARCH

Our faculty are experts in applying statistical methodology to research in:

- Aging
- Cardiovascular Disease
- Environmental Health
- Infectious Disease
- Mental Health
- Sleep Apnea
- Cancer
- Clinical Trials
- Epidemiology
- HIV
- Obesity

BIOS RESEARCH CENTERS

Our students have opportunities to gain real world experience and/or develop thesis and dissertation research with faculty in our research centers.

- Biostatistics Consulting Center (BCC)
- Biostatistics, Epidemiology & Research Design (BERD)
- Center for Biomedical Imaging Statistics (CBIS)
- Data Analytics and Biostatistics (DAB) Core in Department of Medicine
- Emory University's Center for AIDS Research (CFAR)
- Emory's Winship Cancer Institute



EXCELLENCE IN RESEARCH



RENOWNED SCHOLARS

Our faculty and students are recognized for their excellence in the development and application of statistical methodology. These are recent awards earned:

STUDENT AWARDS

- Livingston Fellow Award
- Anderson Poster Award
- Laney Graduate School Dean's Teaching Fellowship
- SAS RA Fellowship
- PhD Bios Student Mentoring Award

FACULTY AWARDS

- Fellow of the American Statistical Association
- Thomas F. Sellers, Jr. Award
- W.J. Dixon Award
- SAMSI Ideas Lab

METHODOLOGICAL RESEARCH

Our faculty are experts in the following areas:

- Agreement Methodology
- Bayesian Statistics
- Bioinformatics
- Cancer-related Research
- Causal Inference
- Clinical Trials
- Imaging Statistics
- Infectious Diseases
- Longitudinal Data
- Missing and Mismeasured Data
- Spatial Statistics
- Statistical Genetics
- Statistical Theory
- Statistics for Epidemiology and Environmental Health
- Survival Analysis

