RESEARCH

Never before in Brown's history has research in the life sciences been so dynamic. Driven by external funding that has more than doubled since 1999, the research enterprise of Brown’s Division of Biology and Medicine - which includes the Alpert Medical School, the Program in Biology, the Public Health Program, and seven affiliated teaching and research hospitals - attracts more than $200 million annually. Brown has also forged a research and educational affiliation with the Marine Biological Laboratory in Woods Hole, Mass.

Brown’s commitment to interdisciplinary and collaborative research ensures that students at Brown have the opportunity to work with many of the top researchers in your chosen field.

Graduate Students are a very strong component of the research enterprise at Brown and are fully immersed in active research. In BioMed, there are twice as many Graduate Students as Postdocs.

http://biomed.brown.edu/research/

SUPPORT

- Students admitted to Brown University PHD programs receive a commitment of 5 years of support that includes stipend, tuition, health fee, and insurance.
- The Division has been awarded multiple training grants from the NIH, NSF, and Dept of Education which provide support for students in a variety of programs.
- The Office of Graduate & Postdoc Studies within the Division of Biology & Medicine highlights the Division's commitment to graduate training and will serve as a resource to you and to your programs.
  - Professional development
  - Conference travel support
  - Support for applying for individual fellowships
- Brown's Sheridan Center offers individualized training and certificate programs for students who want to develop their teaching talents and skills.

http://biology.brown.edu/graduate/

ADMISSIONS

Students seeking admission to BioMed Graduate Programs should apply to Brown’s Graduate School via the on-line application system: http://www.brown.edu/gradschool/apply

On-line applications are usually available by September. Application deadlines vary by programs. The Graduate School web site has information about each program including contact information and application deadlines. You'll find a link directly to each graduate program with extensive information about their faculty, research, curriculum, seminars, and activities.

http://www.brown.edu/gradschool/academics-research/phd-programs

INFORMATION ABOUT CURRENT STUDENTS

BioMed students are competitive for fellowship awards – over 15% of our current students have been awarded external fellowships in support of their research and training.

Students who graduate from Brown go on to postdoctoral positions at top universities, industry, government, and private / non-profit foundations.

http://biomed.brown.edu/research/
**BIOMED GRADUATE PROGRAMS**

**Biomedical Engineering**
 Creates new knowledge and improves human health through cross-disciplinary research and educational activities that integrate the engineering and physical sciences with the life sciences and clinical practice.

**PROGRAM DIRECTOR:** ERIC DARLING, PhD
**CONTACT:** CAROL_FOLAN@BROWN.EDU

**Biostatistics**
 Trains students to develop theory and methods for study design, data analysis, and statistical inference; and to apply the methods to address research questions in public health, biology, medicine, and social sciences.

**PROGRAM DIRECTOR:** JOSEPH HOGAN, SCD
**CONTACT:** CAROL_FOLAN@BROWN.EDU

**Biotechnology**
 Studies a range of topics related to the field of biotechnology such as regenerative medicine, drug delivery, stem cells, nerve guidance, drug discovery to allow students to conduct translational research, from conceptual design through in vivo testing with an eye toward clinical implementation.

**PROGRAM DIRECTOR:** EDITH MATHERNETZ, PhD
**CONTACT:** CAROL_FOLAN@BROWN.EDU

**Computational Biology**
 Seeks to make breakthrough discoveries in the life sciences through the development and application of novel computational, mathematical, and statistical techniques. Research in the Computational Biology program aims to exploit opportunities emerging from rapid technological advances in genomics and proteomics.

**PROGRAM DIRECTOR:** BEN RAFAEL, PhD
**CONTACT:** CMSEP@BROWN.EDU

**Ecology & Evolutionary Biology**
 Seeks to understand biological patterns and processes ranging from DNA to dinosaurs, using integrative approaches with genetic models, phylogenetics and biogeography, functional analyses of whole organisms, and the dynamics and conservation of natural ecosystems.

**PROGRAM DIRECTORS:** ELIZABETH BRAINERD, PHD/THOMAS ROBERTS, PHD
**CONTACT:** ANY_LANDER@BROWN.EDU

**Epidemiology**
 Studies the distribution and determinants of disease in populations to generate new discoveries regarding disease causation and to develop community and individual-based preventive activities.

**PROGRAM DIRECTOR:** DOMINIQUE MICHAUD, SCD
**CONTACT:** PHS@BROWN.EDU

**Health Services Research**
 Analyzes the organization, policies, and economic forces affecting health care delivery systems, providers, and consumers with the goal of improving services and creating more equitable health outcomes by influencing health policy at all levels.

**PROGRAM DIRECTOR:** AMAL TRIVEDI, MD
**CONTACT:** PHS@BROWN.EDU

**Molecular Pharmacology & Physiology**
 Studies the underlying mechanisms of basic physiological processes, their structural components, and how drugs affect these processes to develop cures for diseases.

**PROGRAM DIRECTOR:** ANITA ZIMMERMAN, PHD
**CONTACT:** MIWP@BROWN.EDU

**Neuroscience**
 Unites experimental and theoretical scientists who study the molecules, cells, and networks of the brain to advance understanding of nervous system function, disease, and treatment.

**PROGRAM DIRECTORS:** DAVID SHIRENBERG, PHD/JEROME SANES, PHD
**CONTACT:** NIS@BROWN.EDU

**Pathobiology**
 Uncovers the mechanisms of disease initiation, progression and resolution by working in the thematic areas of immunology & infectious disease, toxicology & environmental pathology, and cancer biology.

**PROGRAM DIRECTOR:** JONATHAN REICHNER, PHD
**CONTACT:** PATHOBIOLOGY@BROWN.EDU

**PROVIDENCE, RI**

Brown University in Providence, RI is an independent, coeducational Ivy League institution comprising undergraduate and graduate programs, plus the Alpert Medical School and the School of Engineering. Brown’s vibrant, diverse community consists of 6,000 undergraduates, 2,000 graduate students, 400 medical school students, and nearly 700 faculty members. Brown students come from all 50 states and more than 100 countries. Our neighbor on College Hill is the Rhode Island School of Design (RISD), one of the country’s oldest and best known colleges of art and design.

Brown is a partner in the development of Providence’s “Knowledge District”. With the newly opened Warren Alpert Medical School at Brown, the Laboratories for Molecular Medicine, the expected launch of the School of Public Health, and a plan to expand the campus significantly within the next few years; Brown, Providence, and the State of RI are committed to developing Providence as a hub of cutting edge research.

Providence is a diverse and culturally rich city that offers affordable housing close to Brown and a vibrant social scene. RI has some of the most beautiful beaches and rivers, historical landmarks, bike paths, and wide variety of restaurants, theaters, and concert venues on the East coast.

Boston, New York, and the mountains of New England are only a short drive away!

http://www.brown.edu/gradschool/living-resources/providence-and-ri

Brown University welcomes applications from all qualified individuals and does not discriminate on the basis of sex, race, color, religion, age, disability, status as a veteran, national or ethnic origin, sexual orientation, gender identity, or gender expression in its administration of its educational policies, admission policies, scholarship and loan programs, or other University-administered programs.

Edward J Wing, MD
Dean of Medicine & Biological Sciences

Elizabeth O. Harrington, PHD
Associate Dean for Graduate & Postdoctoral Studies