Ranked as one of the top 100 universities in the nation and in the top 40 national public universities by U.S. News & World Report, Stony Brook is repeatedly recognized for its engagement in cutting-edge research and novel approaches to inquiry and understanding. We have been one of only 94 institutions in the country to be designated a “Very High Research University” by the Carnegie Foundation.

Our faculty have been responsible for more than 1,900 inventions and more than 550 patents. With more than 70 academic departments, Stony Brook has been ranked among the top 40 institutions funded by the National Science Foundation, and our expenditures on organized research have exceeded $160 million. With graduate program offerings in nearly 50 fields, The Graduate School is here and ready to provide you with the environment and resources you need to excel.

### WHY CHOOSE STONY BROOK?

#### Research Excellence
Our programs host opportunities for students to explore genetic control of cell function and development and solving the structure and function of biomolecules at the molecular, cellular, organismal, behavioral and population levels. Cancer biology, drug discovery, molecular medicine and infectious disease are just a few areas of focus. Interdisciplinary research programs in chemical biology, biotechnology, quantitative and physical biology and bioethics are also available.

#### Outstanding Faculty
Stony Brook faculty have been the recipients of numerous international awards and prizes, including four Nobel prizes, seven National Medals of Science, four MacArthur Foundation Prizes, three National Medals of Technology and Innovation, 18 faculty mem-berships in the National Academy of Sciences and two inductions into the National Inventors Hall of Fame.

#### Collaborative Opportunities
Stony Brook is proud to have working partnerships with Brookhaven Science Associates and Cold Spring Harbor Labora-tory. Many investigators at these research centers are training faculty in Stony Brook graduate programs who teach courses on campus. Many research opportunities exist for graduate students at these laboratories.

#### Funding Opportunities
The Graduate School at Stony Brook University offers a variety of highly competitive funding opportunities for doctoral study, such as teaching and research assistantships, Graduate Council fellowships, the Dr. W. Burghardt Turner Fellowship and GEM Fellowship, as well as tuition scholarships. Enrolled students also can compete for a variety of other fellowships and awards.

#### Professional Development and Growth
The Graduate School works at the intersection of research and educational advancement to support the success of our scholars and promote diversity and inclusion in graduate education. The Graduate School’s Office for Integration of Research, Education and Professional Development and its Center for Inclusive Education offer a multitude of support programs and development opportunities to assist graduate students in achieving their academic and professional goals.
Arthur James (Jay) Goff III graduated from the doctoral program in genetics in 2004. Under the advisement of Professor Carol Carter, Jay's dissertation research investigated Tsg101, a human gene that encodes for a cellular protein of the same name, and its control of HIV-1 gag trafficking and release. Before arriving at Stony Brook, Jay completed his bachelor of science degree in recombinant gene technology at the State University of New York at Fredonia. At Stony Brook he was selected as a recipient of the Dr. W. Burghardt Turner Fellowship and was an active scholar in the Alliance for Graduate Education and the Professoriate program.

Jay is a supervisory microbiologist at the U.S. Army Medical Research Institute of Infectious Diseases. As a lead investigator at the premier infectious disease research facility, he runs a research team that is focused on developing pathogenesis models for Category A viral agents, such as Marburg virus, in containment. In addition to ongoing research, Jay is responsible for personnel management, planning, budgeting and study execution.

**Degree Programs**

- Anatomical Sciences, PhD
- Applied Mathematics and Statistics, MS, PhD
- Biochemistry and Cell Biology, MS
- Biochemistry and Structural Biology, PhD
- Biomedical Sciences (Tracks), MS
- Ecology and Evolution, PhD
- Genetics, PhD
- Health and Rehabilitation Sciences, PhD
- Medical Humanities, Compassionate Care and Bioethics, MA
- Medicine, School of, MD, PhD, MD/PhD
- Molecular Genetics and Microbiology, PhD
- Molecular and Cellular Biology, PhD
- Molecular and Cellular Pharmacology, MS, PhD
- Neuroscience, MS, PhD
- Oral Biology and Pathology, MS, PhD
- Physiology and Biophysics, MS, PhD

**Institutes and Research Centers**

The Stony Brook Centers for Molecular Medicine produce new knowledge and discoveries that lead to breakthrough drugs and lifesaving diagnostics and treatments. The guiding principles of the Centers are collaboration and interaction between students and researchers across scientific disciplines, and both theoretical and clinical areas to create a dynamic synergy that will achieve results that no single researcher could achieve alone.

The Center for Biotechnology serves as a catalyst in translating basic biomedical science into diagnostic and therapeutic technologies benefiting human health, society and economic growth. The Center is designated as a New York State Center for Advanced Technology.

Stony Brook University’s Neurosciences Institute is the only academic and Level 1 trauma center in NY’s Suffolk County, home to 1.5 million people.

The Louis and Beatrice Laufer Center for Physical and Quantitative Biology is a hub for research, advancing biology and medicine through discoveries in physics, mathematics and computational science. The Laufer Center researchers come from a broad community, including the departments of Chemistry, Physics, Applied Mathematics and Statistics, Computer Science, and Molecular Genetics and Microbiology.

For more information about our programs, please visit [www.grad.stonybrook.edu](http://www.grad.stonybrook.edu)