



Stony Brook University
*College of Engineering
and Applied Sciences*

Stony Brook University College of Engineering & Applied Sciences
Chair, Department of Biomedical Engineering

The [College of Engineering & Applied Sciences](#) (CEAS) and the [Renaissance School of Medicine](#) (RSoM) at Stony Brook University seek a highly accomplished scholar and strategic leader to be the Chair of the [Department of Biomedical Engineering](#) (BME). Serving a renewable five-year term, the Department Chair will be a full-time tenured faculty member in BME and, while remaining active in research, will provide sustained strategic leadership of the department.

The Department of Biomedical Engineering

BME is housed between CEAS and Stony Brook's Renaissance School of Medicine, with leadership of the department provided by CEAS.

The mission of the Department of Biomedical Engineering is “to fully integrate the cutting edge of engineering and physical sciences with state of the art biology to advance our understanding of biomedical problems and to use that science to drive the development of therapeutics, diagnostics and medical devices. The Department ... aims to provide students with an interdisciplinary view of the complex engineering problems facing modern medicine and the specific knowledge and skills necessary for undertaking advanced research and development in the broad field of biomedical engineering.”

The department comprises 22 core faculty housed in CEAS or RSoM, 50 additional faculty beyond the department who collaborate in its education and research programs, and three administrative staff. Fall 2025 enrollments are 222 undergraduate, 33 masters, and 52 PhD students.

BME is one of SBU's most [research-active departments](#). In AY2024, the department saw \$7M in total research expenditures, \$5M of it from federal sources. Its level of research productivity extends into translation and commercialization: in the same year, department-based research led to 59 invention disclosures, 95 patents issued, and 11 IP licenses.

The department conceptualizes its research as advancing [seven areas](#): biomaterials and biomechanics; bioimaging/molecular imaging; tissue imaging/regenerative medicine; bio-nanotechnology; molecular biomedical engineering, molecular biomedical engineering; medical instrumentation; and biomedical modeling.

Department Chair

Responsibilities

The Department Chair of Biomedical Engineering will –

- Lead the department by developing and advancing a compelling vision for its excellence in research, education, service, and impact
- Work with CEAS, RSoM, the rest of the university, and partners, execute and align the department strategic plan to that of the college and campus strategic plans
- Sustain and expand the scholarly excellence of the department and endeavor to be a leading program in the country
- Foster, advocate, and promote cutting-edge, innovative undergraduate and graduate curricula as well as multidisciplinary research collaborations through effective leadership and management; foster a positive, engaging environment for excellence
- Demonstrate a commitment to fostering a respectful and supportive environment by working with faculty and staff to ensure fair access to opportunities, encourage varied perspectives, and strengthen a culture of mutual respect
- Serve as an engaged, institutionally focused member of the dean's leadership team, contributing to the overall development of CEAS and RSoM resources, direction, and success
- Promote an engaging environment for tenure-track and non-tenure-track faculty members, grounded on effective mentoring and academic and professional development
- Leverage both existing and new connections with industry to better position the department as a leader in cutting-edge research and industry partnerships; develop and nurture the industrial advisory board
- Create and maintain a supportive environment for faculty to pursue large-scale interdisciplinary center funding with major impact
- Advance a culture of active alumni engagement with the department that celebrates its graduates as agents of its impact to the world and as the stewards of its long-term excellence
- Support the department's development efforts and establish strategic engagement and partnerships with foundations and private institutions that share the department's passion and vision for overall excellence
- Lead and establish the development of robust, innovative undergraduate and graduate programs that reflect the interdisciplinary mission of the department
- Appoint undergraduate and graduate program directors, departmental administrators, and committee chairs and members as appropriate
- Oversee the equitable execution of the department's educational programs with the faculty, and schedule courses and assign instructors to these courses in consultation with program directors, the faculty, and the dean's office
- Set and communicate expectations for the research, teaching and service activities of faculty and evaluate faculty annually
- Establish departmental mentoring program and mentoring structures for the department's faculty
- Catalyze the bridging of both scholarly and educational programs across departments and other Stony Brook schools/colleges

- Standardize and establish transparency around course releases and other productivity-based incentives
- Plan and administer the department's budget in consultation with the dean's office
- Seek and facilitate external giving and resource development for the department
- Design faculty recruitment efforts with department and center/institute colleagues and contribute to their success

Strategic Opportunities

- Take advantage of the university's new all-funds, performance-based budget model to expand the current curricular offerings and develop new forward-looking curricula and degree programs collaborating with other units as appropriate
- Advance the culture of research productivity by leveraging the developments in the department's research programs in the areas of biomechanics, biomaterials, bioinstrumentation, molecular biomedical engineering, tissue engineering, medical imaging, and biomedical modeling and develop the support and resources for ongoing growth
- Expand research in areas of national importance by leveraging existing strengths in CEAS, RSoM, other campus departments and centers (e.g., computer and data science, artificial intelligence, climate sciences, quantum information systems, medicine, and healthcare) as well as the high-impact resources available at Brookhaven National Laboratory
- Elevate the visibility and ranking of the department and its presence and participation in national associations and conferences

Qualifications

The Chair will be a proven, entrepreneurial leader who can inspire faculty, staff, and students in a shared governance environment. They will have the ability to collaboratively develop a compelling vision to establish BME as a hub for research and education and as a site of innovation, teaching, and translation. They will have strong skills for mentoring junior faculty and will promote the interests of the entire department.

Required:

- An earned doctorate in a discipline appropriate for a faculty appointment in the College of Engineering & Applied Sciences
- A distinguished record of research, teaching, and academic mentoring commensurate with appointment as a tenured full professor at Stony Brook University
- A proven track record of scholarship and the ability to support a vibrant research program along with an outstanding record of professional achievement
- Excellent leadership and management abilities suited to guiding a world-class research and education program

Preferred:

- Demonstrated academic leadership experience and a strong commitment to collaborative, inclusive, and synergistic leadership that fosters a respectful and supportive environment for faculty, staff, and students at all levels
- A record of successful administrative experience including managing personnel, budgets, and academic operations at the department, center/institute, or school/college level
- A track of record of fund-raising

Senior researchers from industry or government with a proven track record of scholarship and professional leadership but limited academic experience are also encouraged to apply.

Appointment terms

The Chair will serve a renewable five-year term subject to an appropriately rigorous periodic review. The Chair will have an underlying faculty position as a tenured full professor and will receive an administrative salary supplement and other forms of support during their service as Chair. Elements of the appointment such as underlying faculty salary, teaching load, outside engagements, and summer compensation are commensurate with experience and are negotiable.

The College of Engineering & Applied Sciences

Stony Brook University comprises 12 schools and colleges including CEAS. Organized in [nine departments](#) and housing (in whole or partly) some 16 research [centers and institutes](#), CEAS is experiencing record enrollments and increased recognition. At the start of the Fall 2025 semester, the college has almost 4,100 undergraduate students and over 1,700 graduate students. Some 200 tenure-line faculty as well as lecturers, research faculty, and dedicated administrative staff advance the college's teaching, research, service, and translation missions. In FY2024-2025, CEAS saw total research expenditures of \$57M, a record; some \$45M of this came from federal sources.

Upon becoming dean in July 2023, CEAS dean Andrew Singer began a strategic planning process that culminated a year later in [Engineering Our Moment](#), a framework that will guide the college's development over the next decade in pursuit of its mission, "to serve and empower society through education in engineering and applied sciences, advances in technology, and creation of transformative knowledge."

Engineering Our Moment establishes five core values for the college – Innovation, Excellence, Collaboration, Inclusive Community, and Empowerment – and four priorities:

- Inspire learning to shape and engage our society's professionals
- Enable faculty to innovate and explore to their highest potential
- Be a valued and trusted partner
- Tell the world about us

The Renaissance School of Medicine

The Renaissance School of Medicine at Stony Brook University is the top-ranked public medical in New York State. It and the health system its faculty serve sit on the University's East Campus.

RSoM is part of [Stony Brook Medicine](#), the University's health enterprise, which also encompasses Stony Brook University Hospital, Stony Brook Children's Hospital, Stony Brook Southampton Hospital and the Long Island State Veterans Home, plus more than 100 outpatient care sites throughout Suffolk County. It is one of five schools of the Health Sciences at Stony Brook University, which also include Dental Medicine, Health Professions, Nursing and Social Welfare. It is organized in 25 departments across basic-science and clinical fields.

RSoM researchers developed the Nobel Prize-winning technology that led to the MRI, helped develop the technology for PET scans, created the technology for 3D virtual colonoscopies and discovered the cause of Lyme disease. Its researchers conducted \$129 million in funded research during 2024-2025, including \$101 million in federal funding, of which NIH formed the largest part. Focal areas in RSoM research include neurological diseases, cancer, cardiovascular disorders, biomedical imaging, regenerative medicine and infectious diseases, among other topics.

The University renamed its medical school the Renaissance School of Medicine in 2018 in recognition of the more than \$1B in philanthropy provided to the University by various philanthropic offshoots of Renaissance Technologies, the investment firm founded by Stony Brook's largest benefactor, Jim Simons. RSoM's [Facts](#) page provides an array of data about the school's programs, impact, and distinctions.

In 2023, RSoM dean Dr. Peter Igarashi launched the school's five-year [strategic plan](#).

Stony Brook University

[Stony Brook University](#) is an AAU-member research institution with a remarkable history of social impact. The University pursues a five-part [mission](#):

- to provide comprehensive undergraduate, graduate, and professional education of the highest quality
- to carry out research and intellectual endeavors of the highest international standards that advance knowledge and have immediate or long-range practical significance
- to provide leadership for economic growth, technology, and culture for neighboring communities and the wider geographic region
- to provide state-of-the-art innovative health care, while serving as a resource to a regional healthcare network and to the traditionally underserved
- to fulfill these objectives while celebrating diversity and positioning the University in the global community

Stony Brook consistently ranks #1 among public research universities in increasing the socio-economic mobility of its students. It is one of two flagships of the State University of New York (SUNY) system, a leading public university, an internationally recognized research and medical institution,

and a member of the prestigious Association of American Universities (AAU). Stony Brook is located approximately 60 miles east of Manhattan on Long Island's beautiful North Shore.

Situated on 1,454 wooded acres, the campus encompasses 12 schools and colleges; a Research and Development Park; a host of centers and institutes that range in focus from education, arts, and culture to STEM, business, and medicine; and world-class athletics facilities, including a 12,300-seat stadium and a 4,000-seat arena. The University has a teaching and research campus in Southampton, NY, which is home to graduate arts programs, health sciences professional programs, and the Marine Sciences Center; SUNY Korea is part of the Incheon Global Campus in South Korea. Since 1998, Stony Brook, in partnership with Battelle, has managed the [Brookhaven National Laboratory](#), one of 17 Department of Energy National Labs, with many faculty holding joint appointments.

The University enrolled some 26,400 students in the fall of 2024 (18,000 undergraduate students and 8,400 graduate students) and supports almost 300 postdoctoral scholars. It offers more than 200 majors, minors, and combined degree programs. Students come to Stony Brook from nearly all 50 U.S. States and over 100 countries. About one-third of Stony Brook's undergraduates are first-generation students. Stony Brook is a diverse community, and the 2023 entering-class profile was 49% male and 51% female. Its racially and ethnically diverse student body is 27.9% Asian, 5.8% African American, 13.3% Hispanic/Latinx, 13.3% nonresident alien, 30.4% Caucasian, 2.7% two or more races, and 6.5% not indicated/unknown. International students constitute 13% of Stony Brook's total enrollment. The University enjoys a strong international presence, maintaining affiliation agreements with about 100 universities in Africa, Asia, Europe, Latin America, and Oceania.

A core value of Stony Brook is its commitment to diversity, equity, inclusion, and accessibility. The University has recently been recognized for its leading role in providing opportunities for social mobility and economic growth for its students. The University outperforms the national graduation rates of four-year institutions regardless of race or ethnicity. Stony Brook graduates have less debt than the national average of college graduates, and 95 percent of recent graduates are either employed or continuing their education. In 2024, U.S. News and World Report ranked Stony Brook as a top-30 public institution and the #1 public university in New York State.

As Long Island's largest single-site employer, the University has over 15,000 full and part-time employees, including more than 2,700 faculty. Stony Brook's expected 2023-24 operating budget is nearly \$4 billion, with monies generated from a variety of sources including academic and research funds, hospital revenue, tuition, state support, and philanthropy. Thanks in large measure to the transformative 2023 gift of \$500M in unrestricted endowment funds by the [Simons Foundation](#) – the largest-ever such gift to any US university – Stony Brook's endowment has grown to approximately \$750 million and will grow towards \$1 billion when matching gifts triggered by the Simons donation arrive. The growing endowment will propel the University's efforts in education, research, and service. More detailed information about the University's budget and fiscal plans are available in its [Achieving Financial Sustainability Plan](#).

Research at Stony Brook

Stony Brook faculty are known for their outstanding research, scholarship, and creative activity. Faculty members are recipients of many national and international awards for their research, creative activity, and teaching. Notable accomplishments and recognitions earned by Stony Brook faculty and associated faculty over the years include:

- 27 members of the National Academy of Science
- Six members of the National Academy of Engineering
- Six members of the National Academy of Medicine
- 14 members of the National Academy of Inventors
- 29 members of the American Academy of Arts and Sciences
- Six Fellows of the Royal Society
- The 2003 Nobel Prize in Medicine to Paul Lauterbur for developing the first MRI images
- 1957 Nobel Laureate in Physics and Stony Brook University faculty member C.N. Yang
- Inaugural President's Distinguished Endowed Chair in Physics, 2017 Nobel Laureate Barry Barish

With more than 2,500 faculty, staff, graduate students, and postdoctoral trainees engaged in research and over 2000 sponsored awards, Stony Brook's Research and Development (R&D) expenditures topped \$244 million, including \$201 million of Federal sponsored R&D expenditures, as reported in the University's 2023-2024 [NSF HERD](#) data. Stony Brook's annual research expenditures have grown by 50% since 2014.

Stony Brook is home to numerous [research centers and institutes](#), including the new AI Innovation Institute (AI3), the Center for Biotechnology, the Alda Center for Communicating Science, the Center for Frontiers in Nuclear Science, the C.N. Yang Institute for Theoretical Physics, the Turkana Basin Institute, the Cancer Center, the Centers for Molecular Medicine, the Laufer Center, the Institute for Chemical Biology and Drug Discovery, the Institute for Discovery and Innovation in Medical Engineering, the Institute for Advanced Computational Science, and the Long Island Network for Clinical and Translational Science. In addition, there are numerous large federally funded centers, including two DOE-funded Energy Frontiers Research Centers (EFRC), the CDC/NIOSH-funded World Trade Center Wellness Program, and as lead institution for the NSF-funded large facilities grant The US Collaboration for the ATLAS Experiment at the Large Hadron Collider. Among Stony Brook faculty are approximately 50 joint appointments with Brookhaven National Laboratory, where many faculty and students are involved in research activities and access unique user facilities.

Stony Brook's role as co-manager of Brookhaven National Laboratory enables faculty and grad students to take advantage of BNL's significant research infrastructure and scale. Relationships with Cold Spring Harbor Laboratory enable University researchers to collaborate with CSHL's research staff, for instance in the Genetics Graduate Program and the Neuro AI initiative, and to access CSHL's unique user facilities.

The Stony Brook Research and Development Park, located on 246 acres adjacent to the main campus, has been designed as a community of innovators who build solutions to society's most pressing problems, leveraging Stony Brook's research strengths in three convergent areas: energy, information technology, and biomedical technology. The R&D Park is home to two NY State-funded

Centers of Excellence in Wireless and Information Technology (CEWIT) and Advanced Energy Research and Technology Center (AERTC). State-of-the-art facilities provide resources to researchers, entrepreneurs, and users from academic, corporate, and government sectors. The R&D Park and other research facilities across the campus continue to attract and retain preeminent faculty and outstanding students, and to produce cutting-edge research and creative activities that will secure Stony Brook's place among the very best research universities.

Between 2021-2022, Stony Brook launched a "Tiger Team" initiative to identify priority areas to focus in developing larger-scale research programs as well as services and infrastructure necessary to develop the research enterprise transformatively. This initiative, described [here](#), brought new clarity to the investments Stony Brook can make in research in order to fully leverage its impressive disciplinary breadth.

Stony Brook's Presidential Innovation and Excellence (PIE) Fund launched in 2021 with an initial \$75 million investment. The fund exists to underwrite potentially transformative initiatives whether in or across disciplines or in infrastructure and core facilities. Since its inception, PIE has contributed to the development of Stony Brook's winning proposal to develop Governors Island as a hub for climate research, as well as the Center for Distributed Quantum Processing, and the Center for Healthy Aging. Additionally, a \$100 million appropriation from New York State will enable Stony Brook to build state-of-the-art research facilities. Leveraged by such funding, the University continues to develop its campus, including the new [Institute for Engineering-Driven Medicine](#). As noted, the PIE program will provide the first five years of AI3 funding.

Please see the [Research and Metrics](#) website for additional data on Stony Brook research. And to learn more about the community and the benefits of working at Stony Brook University, explore [here](#).

To Apply

Stony Brook University has retained Opus Partners (opuspartners.net) to support this recruitment. Craig Smith, Senior Partner, and Jeffrey Stafford, Senior Associate are leading the search. Inquiries, applications, and nominations should be sent to jeffrey.stafford@opuspartners.net. The search process will unfold with the greatest possible attention to candidate confidentiality. Required application materials include a CV and cover letter. Finalists in the search process will provide at least three (3) contact references who can speak to their leadership and administrative abilities, their management record, and their integrity. Stony Brook University values an inclusive, welcoming environment and will seek a leader who is committed to promoting these values. Candidates can read more about Stony Brook's efforts [here](#). We encourage candidates to address in their cover letters how they have promoted these values in their career and/or how they would plan to do so in this role.

This national search will continue until the best possible appointment can be made. For full consideration, candidates should complete their dossiers by February 20, 2026. Review of applications will begin shortly thereafter.

Stony Brook University is committed to creating and maintaining a workplace and educational environment that is safe, accessible, and free of all forms of discrimination, sexual misconduct or

research misconduct, among other infractions. In support of this commitment, certain candidates for employment will be required to disclose such employment-related misconduct findings and pending investigations or proceedings, and final candidates for certain faculty and staff positions will authorize their current and previous employer(s) from the last seven (7) years to disclose such information to the University. Employment is contingent on your full and complete disclosure on these matters. In the event that you fail to disclose any such matter or in the event of an unsatisfactory outcome of the disclosure and review process, an offer of employment may be revoked at SBU's sole discretion. If SBU becomes aware of a failure to disclose or misrepresentation of any such matter after your employment commences, you may be subject to discipline, up to and including termination.

The selected candidate must successfully clear a background investigation.

In accordance with the Title II Crime Awareness and Security Act, a copy of Stony Brook's crime statistics is available upon request by calling (631) 632- 6350. It can also be viewed online at the University Police website at <http://www.stonybrook.edu/police>.