Improving Healthcare for Long Island Residents

How NCI Designation Will Positively Impact Long Island

Stony Brook University Cancer Center has all of the qualifications that the National Cancer Institute (NCI) recognizes for its NCI-Designation Program. To achieve designation, a center must have strong scientific leadership, shared resources and a depth and breath of basic and clinical research. Additionally, the center must offer advanced cancer care, especially for complex cancer problems, which can only be found at an academic medical center. All of these facets are in place at our Cancer Center and will be exhibited in the Medical and Research Translation (MART) building on a daily basis.

Why NCI Designation Matters

The rapid pace of discovery and the improved cancer treatments that the NCI-Designated Cancer Centers have helped pioneer have contributed substantially to the increase in the number of cancer survivors in the United States, as well as to the quality of their lives. (cancer.gov/researchnci-role/cancer-centers)

Stony Brook Cancer Center: Poised for Designation

• Access to Stony Brook University's resources and talent • Integral part of the premier Long Island academic medical center
• Advanced cancer diagnostics and treatment • Robust basic and clinical research with an expanding clinical trials program
• Investment in the latest medical technology • Extensive patient support services

Optimal Patient Care

A NCI-designated, cutting-edge clinical cancer center attracts talented doctors and medical support staff. This in turn improves quality of life for patients and their family members by having access to highly trained experts and advanced treatments, close to home. The Stony Brook location is especially beneficial for East End residents who will not have to spend hours traveling west or to New York City.

Increased Research Funds

Stony Brook Cancer Center investigators bring in more than $25 million annually in extramural funding, which will be further increased by NCI designation. Economic analysis and modeling suggest that these funds have at least a 2.5- to 3-fold direct return on the local economy and up to six- to 10-fold secondary benefits on the local economy.

NCI designation brings an influx of grants and funding from pharmaceutical companies, which would be in the range of several million dollars annually.

Job Growth and Economic Benefit

NCI designation attracts best-in-field researchers involved in novel investigations, spurring more funding and breakthroughs. Stony Brook will hire 20 new cancer clinical investigators to work in the research laboratories and will include a 10-person Biomedical Informatics department. Patients who prefer our Cancer Center keep their health expenditures on Long Island,

We Need Your Help to Obtain Funding for the NCI Application

To fulfill necessary requirements of the application process, Stony Brook Cancer Center is seeking $2 million each year for the next three years.

FOR MORE INFORMATION, CONTACT:
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Stony Brook
Cancer Center

The Future of Cancer Care and Research

Stony Brook University Cancer Center is located in the eight-level, 240,000-square-foot Medical and Research Translation (MART) building, which is devoted to adult and pediatric cancer treatment and research. The MART brings together nationally and internationally renowned cancer experts in basic science and translational research, as well as clinical care, to offer the best and most advanced treatments available today.

Advanced Research Program

Stony Brook Cancer Center has developed cutting-edge research that is organized into three distinct programs. The research builds on areas of exceptional strength at Stony Brook University, including applied mathematics, computer sciences, computational biology, biomedical engineering, biomedical informatics, basic biomedical sciences, imaging research, metabolism research, and basic and translational research.

The research space in the MART was intentionally designed to house these themes in order to enhance collaborations and develop synergies. The National Cancer Institute has given positive feedback on these thematic research programs.

- **Imaging, Bioinformatics and Engineering Sciences**
- **Oncogenic Drivers and Mechanisms of Carcinogenesis**
- **Cancer Lipids and Metabolism**

Additional aspects of the research program:

- 25 cancer biology-oriented laboratories
- "Wet labs" for conducting cell, tissue and other cancer biology research
- Dry lab space, which enables statistical research, work on biomedical informatics and clinical study
- A state-of-the-art cyclotron that will be used in conjunction with PET imaging to translate imaging research into cancer detection, diagnostics, prognostics and therapeutics
- The Kavita and Lalit Bahl Center for Metabolomics and Imaging

Compassionate Patient Care

A focus on personalized cancer medicine will lead to new therapies that more accurately and effectively target cancer cells while sparing normal tissue and limiting side effects.

- Vital to the future of both Stony Brook University and healthcare on Long Island, the MART will greatly increase the availability of outpatient cancer treatment in our region. Two floors of the building are dedicated to multidisciplinary cancer care, including a 38-room cancer clinic and a 38-station clinical infusion center.

Stony Brook Cancer Center

thischangescancercare.com