Research, at the most basic level, has revolutionized how we deliver modern medicine to patients. Treatments for breast cancer, AIDS, leukemia, and diabetes—and many others—owe their beginnings to fundamental research conducted in laboratories by dedicated academic scientists. Today is the golden age of biomedical research, and researchers focusing on cancer are on a path to life-saving discoveries. The extraordinary possibilities for modern biology, genetics, biochemistry, and drug discovery are well at hand and ripe for our exploration.

To maximize Northwestern’s scientific contributions to the field of cancer and the care of patients, Northwestern University Feinberg School of Medicine and the Robert H. Lurie Comprehensive Cancer Center of Northwestern University are partnering to establish a new Department of Cancer Biology. Through highly innovative and robust research collaborations, the Department will help us fulfill our commitment to positively impact the lives of those living with a cancer diagnosis today and in the future.

**Our faculty experts in the Department of Cancer Biology will work in earnest each day to:**

- Achieve a better understanding of the molecular and cellular basis of cancer;
- Develop novel methodologies for diagnostic purposes and/or for predicting therapeutic outcomes in the treatment of malignancies; and
- Develop novel therapies based on an improved understanding of the molecular etiology of cancer.

**We will lead scientific programs that are high-impact and at the cutting-edge of Cancer Biology including:**

- Cellular Signaling
- Chemical Biology and Developmental Therapeutics
- Biological Pharmacology and Pharmacogenomics
- Clinical-translational Genomics and Proteomics
- Development of New Models for Cancer Research
- Immunology of Cancer
- Cancer Stem Cell Biology

“The Robert H. Lurie Comprehensive Cancer Center of Northwestern University is one of the leading institutions both nationally and internationally in cancer research, state-of-the-art cancer care, and training and education of future generations of clinicians and scientists. Establishing a Department of Cancer Biology in the Feinberg School of Medicine will have a profound impact on the promotion of basic science research in the Lurie Cancer Center and the advancement of our understanding of the molecular and cellular abnormalities in cancer. This will have major implications in cancer therapy, as it will allow us to design more specific and effective targeted therapies and personalized approaches for the treatment of cancer.”

Leonidas C. Platanias, MD, PhD, Interim Director of the Lurie Cancer Center and Jesse, Sara, Andrew, Abigail, Benjamin, and Elizabeth Lurie Professor of Oncology
Now is the Time for Cancer Biology

As cancer research at Northwestern continues to evolve and expand, there is a critical need for a basic and translational science program to promote breakthrough discoveries, facilitate partnerships with colleagues in the physical sciences, and allow for competition with the great cancer centers in the United States. In introducing a Department of Cancer Biology at Northwestern, we will further expand and elevate the scope of cancer research at Northwestern. The emergence of this department will allow us to develop new areas of basic cancer research, capitalizing on new, evolving technologies and unique strengths here at Northwestern. Cancer Biology also will play an important role in advancing translational work related to cancer and ultimately affect the development of investigator-initiated clinical trials.

At the Lurie Cancer Center, we recognize that every positive contribution we have made to the field of cancer care, research, and education has been made possible by donors who have entrusted us with their philanthropic support. We invite our loyal donors and interested friends to join us in establishing the Department of Cancer Biology at Northwestern Medicine and ensuring its success through gifts of outright support and endowment.

Northwestern Medicine

Northwestern Memorial Hospital and Northwestern University Feinberg School of Medicine are seeking to impact the health of humankind through Northwestern Medicine. We aspire to be the destinations of choice for people seeking quality healthcare; for those who provide, support, and advance that care through leading-edge treatments and breakthrough discoveries; and for people who share our passion for educating future physicians and scientists. Our commitment to transform healthcare and to be among the nation’s top academic medical centers will be accomplished through innovation and excellence.

The Cancer Institutes within our world-class Robert H. Lurie Comprehensive Cancer Center of Northwestern University are providing exciting opportunities to bring our best people, programs, and resources together to plan, coordinate, and implement patient care, research, education, community service, and advocacy across the realm of cancer. In addition to creating a breakthrough Department of Cancer Biology, we will establish several new institutes and centers within the next few years to facilitate the work of our cancer physicians and scientists. These robust interfaces and collaborations will undoubtedly lead to clinical advances that benefit patients and their families locally, nationally, and across the globe.

### Cancer Institutes within the Lurie Cancer Center

- Cancer Survivorship Institute
- Cellular Immunotherapy Institute
- Developmental Therapeutics Institute
- Early Cancer Detection Technologies Institute
- Gastrointestinal Oncology Institute
- Hematologic Malignancies Institute
- Northwestern Brain Tumor Institute
- Oncology Nursing Institute
- Prostate and Genitourinary Malignancies Institute
- Sarcoma Institute
- Skin Cancer Institute
- Thoracic Oncology Institute
- Women’s Cancers Institute
THROUGH NORTHWESTERN MEDICINE, WE ARE CREATING A NATIONAL EPICENTER FOR HEALTHCARE, EDUCATION, RESEARCH, COMMUNITY SERVICE, AND ADVOCACY.

About the Lurie Cancer Center

• The Robert H. Lurie Comprehensive Cancer Center of Northwestern University—one of only two National Cancer Institute-designated Comprehensive Cancer Centers in Illinois and one of 41 in the nation—is committed to being a national leader in the battle to overcome cancer.

• Recognized as a national leader in cancer treatment, the Lurie Cancer Center supports care for a broad scope of cancers through comprehensive research; distinguished and dedicated faculty and staff; a world-class teaching program; and ongoing advances in medical, surgical, radiation, and interventional oncology.

• We are a founding member of the National Comprehensive Cancer Network (NCCN): an alliance of 23 of the nation’s leading cancer centers dedicated to improving the quality and effectiveness of cancer care through development of clinical treatment guidelines and longitudinal outcomes research.

• Northwestern’s Lurie Cancer Center is a founding member of the Big Ten Cancer Research Consortium, which collaborates on oncology clinical trials that leverage the scientific and clinical expertise of the Big Ten universities.

• The Lurie Cancer Center has established major research strengths in breast, genitourinary, gastrointestinal, aero-digestive, neurologic, and gynecologic cancers; hematologic malignancies, sarcoma, melanoma, and pediatric oncology.

• Our basic and translational research programs in hormone action/signal transduction, angiogenesis, gene regulation, biologic therapies, oncologic mathematical modeling, and nanotechnology are nationally and internationally recognized.

• Our outstanding basic, translational, and clinical research complements a full range of prevention, early detection, treatment, rehabilitation, and palliative care programs for all types of cancer.

• Our nationally recognized supportive oncology care and survivorship programs include a Division of Fertility Preservation for young cancer survivors.