

## Current Research Initiatives

Research at LIMR is designed to take laboratory observations and translate that scientific knowledge into novel ways to diagnose, prevent, and, treat disease. This approach allows our scientists to improve the health and quality of life for individuals afflicted with disease. Some of the valuable research taking place at LIMR includes:

### CANCER

- ❖ *Conducting a Phase I clinical trial to test the safety of a new drug therapy to treat cancer and viral disease*
- ❖ *New nanotherapy technologies to treat patients with prostate, ovarian, cervical, and pancreatic cancer*
- ❖ *Developing a safe and simple test to help screen for precancerous esophageal lesions*
- ❖ *Creating a simple test to identify aggressive early stage breast cancers*
- ❖ *Defining modifier genes that dictate patient susceptibilities to cancer and their treatment*
- ❖ *Improving the effectiveness of radiation and chemotherapy for cancer patients*
- ❖ *Examining ways to block the development of tumors that develop from genetically damaged cells*

### CARDIOVASCULAR DISEASE

- ❖ *Conducting a Phase III clinical trial to evaluate a new anti-coagulation drug that prevents stroke in patients with atrial fibrillation.*
- ❖ *Studying how stem cells are programmed to form skeletal and cardiac muscle to create therapies that promote regeneration of adult tissues.*
- ❖ *Investigating how ion channels regulate blood pressure and the electrical signals that drive heartbeat.*
- ❖ *Examining the role of proteins in atherosclerotic plaque formation and cardiac hypertrophy.*

### OTHER DISEASES

- ❖ *Performing basic research to support the drug development of new medications for diabetes.*
- ❖ *Generating monoclonal human antibodies for use in the treatment of infectious diseases, cancer, and neurological illness.*
- ❖ *Determining factors that lead to the initiation and progression of the joint-specific autoimmune response in individuals with rheumatoid arthritis.*



For over 80 years, the Lankenau Institute for Medical Research has been committed to excellence in medical research. This lifesaving work is made possible through the support of federal and state funding agencies, foundations, corporations, and individuals who believe in our mission and share our dedication to improving human health.

*If you are interested in supporting LIMR or would like more information about our research and educational programs please contact us.*

Main Line Health

## Lankenau Institute for Medical Research

Office of Development & Communications  
100 East Lancaster Avenue  
Wynnewood, Pennsylvania 19096  
Fax: 610-645-8019

**610-645-8144**

[www.limr.org](http://www.limr.org)



LIMR 109875

“In Medicine,  
Hope Springs  
from Research.”



Main Line Health

## Lankenau Institute for Medical Research

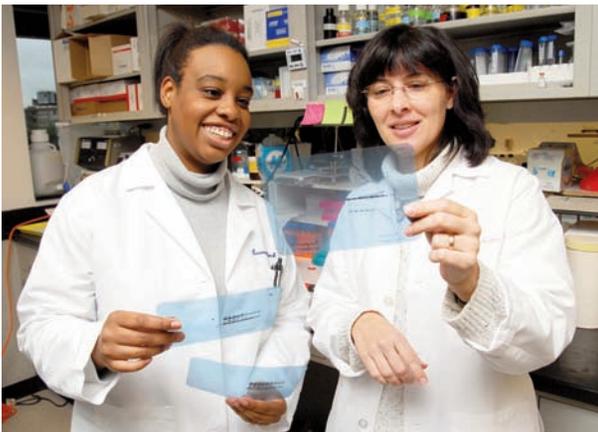
## LIMR Mission

To advance human health and well-being through research to improve the detection and treatment of disease; the rapid transfer of new technology to the clinic; and the training of the next generation of scientists and physicians.



## About Us

Founded in 1927, the Lankenau Institute for Medical Research (LIMR) is a nonprofit biomedical research center located in suburban Philadelphia on the campus of Lankenau Hospital. Part of Main Line Health, LIMR is one of the few freestanding, hospital-associated medical research centers in the nation. Built in 1992, our current facility houses a total staff of over 100 individuals. Our faculty, which includes 18 principal investigators and over 25 affiliated clinical faculty, is dedicated to advancing an understanding of the causes of disease in order to help improve diagnosis and find new ways to treat and prevent them.



## Our Research

The faculty at LIMR focus their investigations on cancer, cardiovascular disease, and diabetes. Our excellence in these areas relate to our work on disease modifier genes, inflammation, stem cells, and transgenic mouse models of human disease. Our location on the Lankenau Hospital campus, including our location next to the Annenberg Conference Center for Medical Education, gives us a distinct advantage in bringing together multiple resources and a diverse group of individuals with different areas of expertise. This allows LIMR scientists to perform basic research studies to understand the fundamental problems associated with disease; preclinical and translational research where results are developed into new diagnostics or medications; and clinical research where advances in medicine can be brought to the patient bedside.



## Training & Education

As part of the LIMR mission, our staff is dedicated to not only training the scientists of tomorrow but also the clinicians of today. Programs at LIMR include:

❁ **Medical Resident and Fellow Training:** *Incoming residents and fellows have the option to participate in basic, pre-clinical, and clinical research opportunities in LIMR laboratories and the Clinical Research Center. Additionally, our researchers participate in graduate and continuing medical education programming in conjunction with the Annenberg Conference Center for Medical Education at Lankenau Hospital.*

❁ **Graduate Training:** *Our researchers mentor graduate students from local Universities, St. Joseph's University, Thomas Jefferson University, Drexel University, and the Philadelphia College of Osteopathic Medicine.*

❁ **Summer Internship Program:** *Each summer, LIMR offers an eight-week program for undergraduate students who are interested in pursuing careers in medicine and biomedical research.*



## Business Development

To enhance our mission and support the current work of our investigators, LIMR has added components that will drive commercialization of our laboratory discoveries, generate new collaborations, and help our researchers to have a direct impact on patient treatment and care. Our Office of Technology Transfer is responsible for licensure of LIMR owned intellectual property and for planning spin-out corporations based on these technologies. Additionally, we manage an incubator that provides space and resources to early stage life science companies whose activities match well with LIMR's research.

