

The Power of Discovery

CANCER RESEARCH AT THE UNIVERSITY OF VIRGINIA

“At UVA Cancer Center, we know that the treatments of tomorrow are built upon the research of today. Our basic science research has led to drug discovery and clinical trials here and at institutions across the nation. This helps our patients fight their battles with bravery and hope.”

— MICHAEL J. WEBER, Ph.D.
Director, UVA Cancer Center

The statistics are staggering.

One out of every three women, and one out of every two men, will receive a cancer diagnosis in their lifetime. For these people and their families, time is the issue.

The UVA Cancer Center is leading the way in the fight against cancer. Our researchers are unlocking the answers to the very building blocks of cancer itself. They are taking discoveries in the lab and turning them into promising treatments that offer patients new options and new hope.

At a time when research holds such promise, tight federal funding limits how many ideas can be pursued. Philanthropy provides seed funding for cancer research, allowing us to seize emerging and unexpected opportunities. It builds momentum and helps investigators continue their work at critical points in the research process.

Private support helps us speed the pace of discovery and innovation—the best hope for patients and their families who know that every moment counts.

An Investment in Knowledge

We are entering a new era of cancer care—one where powerful new treatments and technologies may soon give us the ability not only to treat cancer, but to control and prevent it. As an academic medical center, the UVA Cancer Center combines research skill with top-notch, compassionate care. Research informs and inspires our caregivers, who translate discoveries in the lab into treatments at the bedside.

Philanthropy helps drive this work and serves as an investment in knowledge: knowledge of why cancer starts, how it spreads, and perhaps, one day, how to cure it. But the results are not just felt here. The research labs at UVA are an incubator of discovery—what we discover here helps investigators across the nation.

Speeding the Pace of Research

A \$125,000 grant from the Patients & Friends Research Fund, established by friends of UVA cancer patients, enabled microbiologist Deb Lannigan, Ph.D., to identify and synthesize a new compound that may lead to a targeted

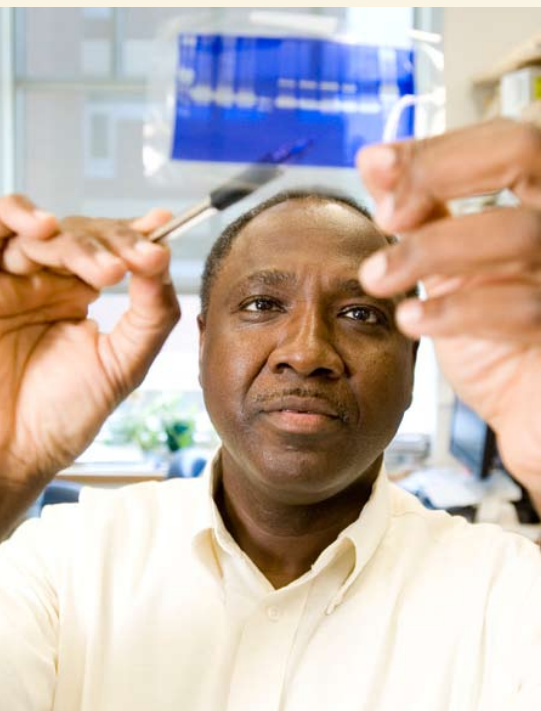
drug therapy for breast cancer. Having early results in hand allowed Lannigan to compete for and secure a \$1 million grant from the National Institutes of Health. Patients & Friends funding gave Lannigan the essential resources she needed at the time she needed them. Without that support, she might have missed a vital opportunity.

Lannigan is only one of many success stories at UVA. Across the Cancer Center, other promising investigations hold the potential for dramatic new treatments and therapies for cancer.

- **Leading the nation in clinical trials for lung cancer.** David Jones, M.D., and his team are breaking new ground by identifying ways to make chemotherapy more effective for lung cancer patients.
- **Putting the body's defenses to work fighting cancer.** Craig Slingluff, M.D., and his colleagues in the Human Immune Therapy Center are developing vaccines and innovative methods for waging a non-toxic war on cancer cells by utilizing the body's immune system.

- **Finding solutions on the cellular level.** Dan Theodorescu, M.D., leads a team of multidisciplinary scientists who have identified a gene that could halt the spread of cancer.
- **Looking for ways to prevent metastasis.** Theresa Guise, M.D., and her team conduct research aimed at preventing cancer from metastasizing to bone, at which point it becomes incurable.
- **Understanding the biology of pancreatic cancer.** Todd Bauer, M.D., also studies cancer metastases and tumor growth, with an emphasis on identifying new molecular targets and novel therapies for pancreatic cancer.

Essential funding at crucial junctures helps us sustain critical research efforts and expand our reach. Such support allows us to explore novel ideas and forge collaborations between researchers and clinicians. Private generosity helps us develop new technologies to diagnose and treat cancer and increases our ability to search for new, personalized therapies. What's more, private support helps us expand the number of clinical trials at UVA—offering patients hope in the face of a cancer diagnosis.



Thanks to the strength of its cancer research, scientific staff, and excellent patient care, UVA is one of only two National Cancer Institute-designated cancer centers in Virginia.



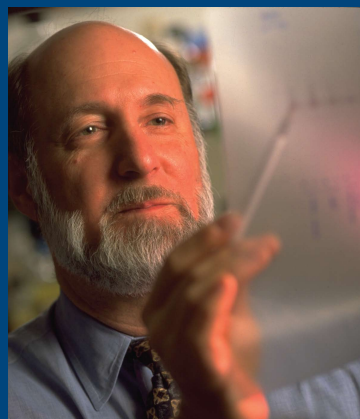
More than 200 researchers, spanning 22 different academic departments, work together at UVA to develop targeted, individual treatments and better ways to diagnose cancer.

Please Help Make a Difference

To join those individuals who are supporting cancer research at the University of Virginia Cancer Center, please contact the Director of Development for Cancer Programs, (800) 297-0102, (434) 924-8432.

“It is imperative to keep the momentum of new discovery going and find ways to accelerate the movement of new knowledge into clinical practice.”

— JIM CRAIG
UVA Cancer Center benefactor



Patients & Friends: A Wise Investment

In 2000, a group of cancer patients, with their friends and families, founded the Patients & Friends Research Fund to support innovative cancer research at the UVA Cancer Center. Since then, the group has raised more than \$2 million for research projects in basic science, drug discovery, and diagnostic technologies—a powerful investment in the future of cancer care.

The fund provides support at critical stages of research, when promising ideas might otherwise go untested for lack of funding. This grassroots fund-raising effort helps give investigators the resources they need to develop their findings to the point where they can compete successfully for federal grants. It also demonstrates confidence in our doctors and researchers, valuable support that allows UVA to retain and attract star faculty.

For the first time in history, we can say with confidence that the outlook for cancer care is encouraging. We can beat cancer, not in the indefinite future, but in the foreseeable future. Working together, we can find answers at a time when every minute counts.

UVA Cancer Research

ADVANCING THE SEARCH FOR CURES

