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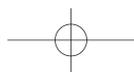
## AACR Membership

Members Dedicated to Conquering Cancer Through Research, Education and Training, Communication and Collaboration



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## FOX CHASE CANCER CENTER

### Where Basic Cancer Research Leads to Advanced Cancer Medicine

Nestled on a leafy hilltop in Philadelphia, Fox Chase Cancer Center is an independent National Cancer Institute-designated Comprehensive Cancer Center with over a century's worth of experience in the study and treatment of the disease.

Indeed, Fox Chase was known for translational research long before the phrase became a popular buzzword. How else to depict the work of Nobelist Baruch Blumberg, discoverer of the hepatitis B virus and its vaccine? What better term describes the discovery of ubiquitin-mediated protein degradation by Fox Chase researchers, including Irwin A. Rose, which also earned them a Nobel Prize and opened up a new avenue for drug research?

From the discovery of vitamin B12—to the development of the first transgenic and chimeric animals—to the discovery of the SCID mouse, Fox Chase embodies an impressive scientific legacy.

#### Scientific Research Programs

Fox Chase supports approximately 100 researchers and physician-scientists through an NCI Cancer Center Support Grant, which also funds an array of advanced research facilities to meet their needs. Together, our researchers have created a collaborative atmosphere for research, where new ideas are cherished and explored.

Our six core research programs include:

- Epigenetics and Progenitor Cells
- Immune Cell Development and Host Defense
- Cancer Genetics and Signaling
- Cancer Prevention and Control
- Molecular Translational Medicine
- Women's Cancer

#### Keystone Programs

With so many researchers working in close proximity to Fox Chase's distinguished medical staff, it is no surprise that Fox Chase is deeply invested in translational research.

In February 2008, Fox Chase launched a suite of innovative team-based cancer research initiatives. At the heart of every Keystone Program is a self-organized group of scientists and clinicians utilizing the strengths of our core research programs in order to hasten medical progress against cancer. Each Keystone Program was vetted through a comprehensive external peer-review board before receiving a five-year, multi-million-dollar start-up grant with money raised through private philanthropy.

The Keystone Programs include:

- Epigenetics and Progenitor Cells
- Personalized Kidney Cancer Therapy
- Personalized Risk Assessment and Prevention
- Blood Cell Development and Cancer
- Head and Neck Cancer

#### SPORE in Ovarian Cancer

Fox Chase was selected to lead an NCI grant for a Specialized Program of Research Excellence (SPORE) in prevention, diagnosis and treatment of ovarian cancer. The Fox Chase-Penn SPORE has developed advanced ongoing projects in epigenetics, biomarker discovery and validation, and targeted therapeutics.

#### Institute for Personalized Medicine

Decades of experience and research in cancer care tells us that no two cancers are alike: some respond well to a particular therapy, while others, seemingly identical, do not respond at all. In order to make the "one-size-fits-all" approach to cancer therapy a thing of the past, Fox Chase has brought together its extensive biosample repository and renowned Phase I Clinical Trials Program to create the Institute for Personalized Medicine (IPM).

The IPM will make it possible to pair individuals with clinical trials for emerging targeted therapies, thereby accelerating the rate at which new, powerful drugs become part of the clinical arsenal.

#### Women's Cancer Center

This fall, Fox Chase opens the new Robert C. Young, M.D., Pavilion, and with it the Fox Chase Women's Cancer Center. The new center ties together Fox Chase clinicians who specialize in breast and gynecologic cancers, and will work closely with the researchers all across campus, including the Women's Cancer Program, the Keystone Programs, and the IPM.

#### Fox Chase Cancer Center Buckingham

Open since mid-July, this free-standing facility in central Bucks County (about 19 miles from main campus) houses the latest in radiation technology, a field in which Fox Chase researchers are distinguished as both innovators and clinical experts. Among the radiotherapy tools available are the CyberKnife Robotic Radiosurgery System and a Trilogy Linear Accelerator with Rapid Arc.

### Lab Scientist, Breast Cancer

**Fox Chase Cancer Center** seeks a nationally/internationally recognized laboratory scientist in the field of breast cancer research. Generous start-up package and new state-of-the-art laboratory space will be offered.

The ideal candidate is an active senior scientific researcher at the associate or full professor level with a proven history of peer-reviewed grant funding and a strong record of breast cancer translational research. Must have Ph.D. and/or M.D.

The laboratory scientist will work closely with clinicians and researchers who specialize in breast and gynecologic cancers in Fox Chase's Women's Cancer Center, part of the newly opened Robert C. Young, M.D., Pavilion. With some of the nation's top clinicians and researchers working together, Fox Chase is able to deliver powerful and innovative therapies. The Women's Cancer Center offers a comprehensive approach to cancer care, from screening and family risk assessment to pioneering treatment options, including access to clinical trials.

Fox Chase Cancer Center is one of the leading freestanding cancer research and treatment centers in the U.S.

Founded in 1904 in Philadelphia as one of the nation's first cancer hospitals, Fox Chase became one of the first institutions to be designated a National Cancer Institute Comprehensive Cancer Center in 1974.

#### Fox Chase. Perfecting the Science of Compassionate Cancer Care.

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