



Research Investment Review: Florida

KOMEN SUPPORTED BREAST CANCER RESEARCH IN FLORIDA

Susan G. Komen for the Cure® has funded research each year since we started in 1982 and is the largest non-profit funder of breast cancer research outside the US federal government.

- We have invested nearly \$673 million total in research since 1982.
- In 1995, the first grant was awarded in Florida.
- Since then, we have invested over \$10.4 million in Florida research grants.
- There are 11 active grants representing over \$5.5 million in research funding.
- Seven different institutions and 31 investigators have received 35 grants in the last 16 years.

MORE THAN RESEARCH

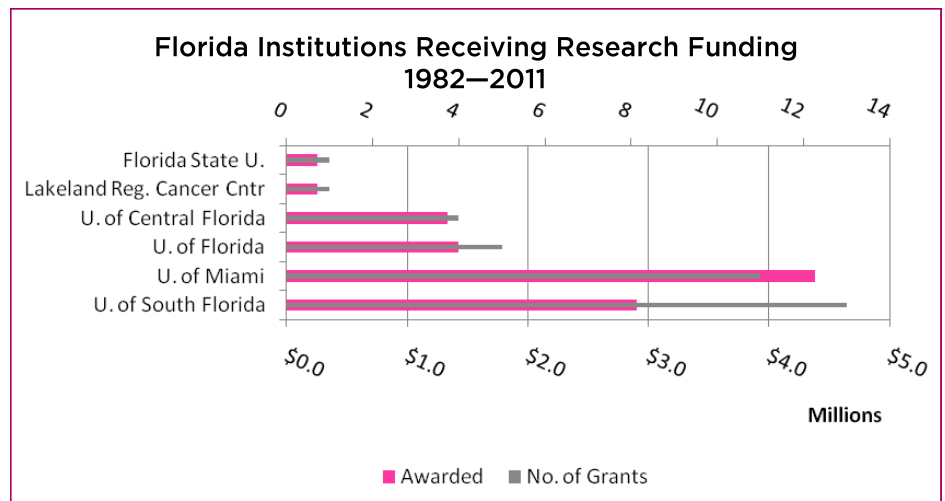
In addition to these research dollars, Komen Affiliates in Florida have collectively invested more than \$34 million for education, screening and treatment programs in their communities. The six Florida Komen Affiliates each organize Race for the Cure® and other events to raise funds; up to 75 percent of the net proceeds stay in the local community and a minimum of 25 percent supports Komen Research Programs.

YOUR RESEARCH DOLLARS AT WORK

Komen for the Cure’s strategic research focus is to reduce breast cancer incidence and mortality within the decade and to

eliminate disparities in breast cancer outcomes across population groups. To effectively support that goal, our research grants range from training awards for young investigators new to the field of breast cancer research to grants for emerging leaders in the field to significant, multi-million dollar grants that support work designed to answer the most critical questions in breast cancer.

The research supported in Florida reflects Komen’s national strategy for funding the highest quality research in the fields that most advance our mission to see a “world without breast cancer.” When Komen began funding breast cancer research, a large portion of our funding focused on the biology of breast cancer in order to help us understand how cells become disrupted to grow ‘out of control’ and become cancer cells. Now our research, both in Florida and

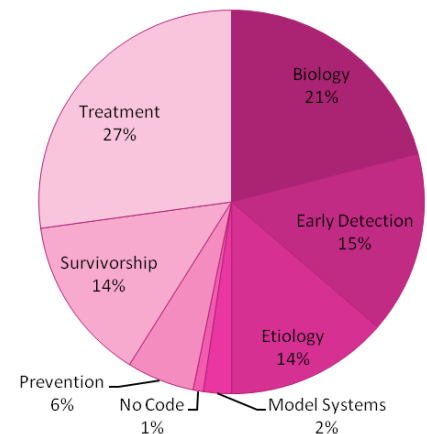


across our entire portfolio, focuses largely on translational research that uses our current knowledge about the biology of breast cancer to speed the discovery of new ways to reduce risk, identify cancer cells at the earliest stages when interventions are most effective, develop new treatments, and ultimately prevent breast cancer.

Komen-funded Researchers are:

- Identifying a new therapeutic target for hormone-resistant breast cancer.
- Designing tests to determine which patients can be safely treated with new drugs that can significantly manage breast cancer-related anemia.
- Establishing the genetic risk of developing breast cancer in different populations of four Caribbean countries so that early detection screening will be more accurate and efficient.
- Developing a novel type of therapeutic that works in a manner similar to immunotherapies for breast cancer but would be cheaper and easier to produce.
- Understanding why breast cancer spreads and how to prevent it.
- Trying to increase the effectiveness of antitumor vaccines by manipulating the immune system.

Florida Research Funding by Topic* Shown as % of total dollars granted: \$10,542,487



*Based on the Common Scientific Outline classification system.

ACTIVE RESEARCH GRANTS BY AWARD YEAR (as of July 2011)

2011	Judith Hurley <i>Evaluation of Genetic Risk in Caribbean Women with Breast and Ovarian Cancer</i> (Investigator Initiated Research) University of Miami School of Medicine
	Marc Lippman <i>GREB1: A Novel Prognostic and Therapeutic Target in Breast Cancers with Resistance to Endocrine Therapies</i> (Investigator Initiated Research) University of Miami School of Medicine
2010	Eli Gilboa <i>Potentiating Tumor Immunity In Breast Cancer Patients Using Aptamer-Targeted Foxp3 siRNA To Inactivate Regulatory T Cells</i> (Investigator Initiated Research) University of Miami School of Medicine
2009	Eli Gilboa <i>Development Of Agonistic 4-1BB Aptamers To Enhance Vaccine-Induced Tumor Immunity</i> (Investigator Initiated Research) University of Miami School of Medicine
	Judith Hurley <i>Evaluation Of Genetic Risk In Bahamian Women With Breast And Ovarian Cancer</i> (Special Project) University of Miami School of Medicine
	Paolo Serafini <i>Targeting Myeloid Derived Suppressor Cells And Regulatory T Cell To Improve The Efficacy Of Anti-tumor Vaccine In A Spontaneous Model Of Mammary Carcinoma</i> (Career Catalyst Research) University of Miami School of Medicine
	Jihe Zhao <i>Determining Role Of EMT In Metastatic Progression Of Human Breast Cancer</i> (Investigator Initiated Research) University of Central Florida
2008	Geza Acs <i>Constitutively active erythropoietin receptor variants as novel therapeutic targets in breast cancer</i> (Investigator Initiated Research) Moffitt Cancer Center, University of South Florida
	Brian Law <i>Preventing Basal Breast Cancer Recurrence</i> (Investigator Initiated Research) University of Florida
	Xianhui Wang, Fellow Jihe Zhao, Mentor <i>From Cell Culture To Mouse Models - Determining The Role Of KLF8 Transcription Factor In Human Breast Cancer Metastasis</i> (Post Doctoral Fellowship - Basic Research) University of Central Florida
2007	Jeannine Coreil <i>Cultural Diversity and Breast Cancer Support Groups</i> (Breast Cancer Disparities Research Program) University of South Florida