

Budget Detail Request - Fiscal Year 2016-17

Your request will not be officially submitted unless all questions and applicable sub parts are answered.

1. Title of Project: Firefighters Cancer Initiative
2. Date of Submission: 01/11/2016
3. House Member Sponsor(s): Jeanette Nunez

4. DETAILS OF AMOUNT REQUESTED:

- a. Has funding been provided in a previous state budget for this activity? Yes
If answer to 4a is ?NO? skip 4b and 4c and proceed to 4d
- b. What is the most recent fiscal year the project was funded? 2015-16
- c. Were the funds provided in the most recent fiscal year subsequently vetoed? No
- d. Complete the following Project Request Worksheet to develop your request (Note that Column E will be the total of Recurring funds requested and Column F will be the total Nonrecurring funds requested, the sum of which is the Total of the Funds you are requesting in Column G):

FY:	Input Prior Year Appropriation for this project for FY 2015-16 (If appropriated in FY 2015-16 enter the appropriated amount, even if vetoed.)			Develop New Funds Request for FY 2016-17 (If no new Recurring or Nonrecurring funding is requested, enter zeros.)			
	Column: A	B	C	D	E	F	G
Funds Description:	Prior Year Recurring Funds	Prior Year Nonrecurring Funds	Total Funds Appropriated (Recurring plus Nonrecurring: Column A + Column B)	Recurring Base Budget (Will equal non-vetoed amounts provided in Column A)	INCREASED or NEW Recurring Requested	TOTAL Nonrecurring Requested (Nonrecurring is one time funding & must be re-requested every year)	Total Funds Requested Over Base Funding (Recurring plus Nonrecurring: Column E + Column F)
Input Amounts:	0	965,000	965,000	0	0	1,500,000	1,500,000

- e. New Nonrecurring Funding Requested for FY 16-17 will be used for:
 Operating Expenses Fixed Capital Construction Other one-time costs
- f. New Recurring Funding Requested for FY 16-17 will be used for:
 Operating Expenses Fixed Capital Construction Other one-time costs

5. Requester:

- a. Name: Erin Kobetz
- b. Organization: Sylvester Comprehensive Cancer Center, University of Miami
- c. Email: ekobetz@med.miami.edu
- d. Phone #: (305)243-6185

6. Organization or Name of Entity Receiving Funds:

- a. Name: Sylvester Comprehensive Cancer Center, University of Miami
- b. County (County where funds are to be expended) Broward, Hillsborough, Miami-Dade, Palm Beach
- c. Service Area (Counties being served by the service(s) provided with funding) Broward, Hillsborough, Miami-Dade, Palm Beach

7. Write a project description that will serve as a stand-alone summary of the project for legislative review. The description should summarize the entire project's intended purpose, the purpose of the funds requested (if request is a sub-part of the entire project), and most importantly the detail on how the funds requested will be spent - for example how much will be spent on positions and associated salaries, specifics on capital costs, and detail of operational expenses. The summary must list what local, regional or statewide interests or areas are served. It should also document the need for the funds, the community support and expected results when applicable. Be sure to include the type and amount of services as well as the number of the specific target population that will be served (such as number of home health visits to X, # of elderly, # of school aged children to receive mentoring, # of violent crime victims to receive once a week counseling etc.)

Firefighters are more likely to develop cancer compared to the population they serve. This increased risk is likely a result of occupational exposure to carcinogens and other chemicals. However, limited research has examined what, in fact, accounts for this disparity. With support from the Florida Legislature, Sylvester Comprehensive Cancer Center has partnered with the Firefighter Cancer Support Network, as well as, the Miami-Dade and Palm Beach Fire Departments to begin to address this gap in knowledge, and develop necessary strategies to ensure that our firefighters and first responders stay safe on the job.

In 2015-2016 the Firefighters Cancer Initiative began with pilot studies in Palm Beach, Miami Dade and Broward counties. The broad goals of the project in the inaugural year of funding are to: 1) Conduct online surveys of at least 800 Palm Beach County Fire Rescue firefighters to better understand their cancer risk knowledge, screening practices and on-the-job exposures; 2) Collect at least 200 blood samples from the same firefighters to be stored for future research on exposure and cancer risk; 3) Educate and screen at least 500 firefighters for colorectal using the Fecal Immunochemical Test (FIT) for those who meet the age and medical history criteria; 4) Educate and screen at least 160 female firefighters using a self-sampler for the Human Papilloma Virus (HPV); 5) Design and implement a multi-media educational campaign tailored to firefighters related to cancer prevention, safety and health, and strategies for reducing cancer risk; 6) Develop and test a mobile phone application to enable individual firefighters to monitor and report adverse exposures; 7) Develop and test monitoring technology to measure exposure to potential carcinogens on firefighter gear, in their vehicles, and at stations; 8) Link State firefighter data with the Florida Cancer Data System (Florida's cancer registry) to examine cancer rates among firefighters. At the conclusion of the inaugural year of the program Sylvester expects to have collected 800 annual cancer surveys with 200 blood samples that are bio-banked for future testing. We also expect to distribute colorectal screening kits to at least 500 active firefighters and distribute 160 HPV screening kits to active female firefighters. In addition, the development of an educational

campaign is anticipated to launch in 20 fire departments in Palm Beach County.

In the first year of funding, the University of Miami has taken a collaborative team approach involving faculty from various departments and schools at the University, capitalizing on the expertise we have. We have included undergraduate, graduate and doctoral students in all aspects of the project, which will result in developing knowledge and skills for future studies to improve the health of Florida's first-responders, and the population as a whole. Sylvester has also started to link firefighters, including retired firefighters, to the Florida Cancer Data System, for improved monitoring of cancer risk in the State of Florida. This essential component of the program will provide our State with critical data to accurately assess cancer risk in this unique population.

In 2016-2017, the Firefighters Cancer Initiative priorities will be to:

- 1) Expand the annual cancer survey and educational campaign to include fire departments throughout the state of Florida, including Miami Dade, Miami Beach, Coral Gables, Broward and Hillsborough Counties
- 2) Extend cancer screening to more firefighters throughout the aforementioned Counties to enable prevention and earlier detection of disease
- 3) Field test the newly developed technology to monitor on the job exposures
- 4) Initiate a cohort of new recruits from across the state of Florida to follow longitudinally. This effort will be part of a larger multi-state initiative to examine whether there are differences in cancer risk pre- and post serving as a firefighter/first responder
- 5) Analyze tumor specimens of firefighters from across Florida diagnosed with cancer to identify biological factors that are associated with disease onset and progression
- 6) Analyze the blood collected at Palm Beach County in the inaugural year to identify biologic factors that may be associated with cancer risk
- 7) Continue analysis of dataset linking the Florida Cancer Data System (FCDS) to State Firefighter data

This continued collaboration will provide firefighters access to cancer screenings to enable prevention and earlier detection of the disease; to identify exposures that account for increased cancer risk; and to develop new technology to measure exposure in the field. Funding for this research project directly benefits firefighters' health by providing a better understanding of cancer risks related to occupational exposures. Information collected from this program should result in developing new safety standards and policy recommendations to reduce our firefighters' risk of exposure and disease.

The Budget for 2016-2017

Educational Awareness Campaign- \$200,000

Cancer Screenings- \$650,000

Cancer Research- \$500,000

IT/ Administration of Program - \$150,000

Total Appropriation- \$1,500,000

8. Provide the total cost of the project for FY 2016-17 from all sources of funding:

Federal: 100,000

State: 0 (Excluding the requested Total Amount in #4d, Column G)

Local: 0

Other: 0

9. Is this a multi-year project requiring funding from the state for more than one year?

Yes