

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: Vibro (flesh-eating bacteria) Human Health Study in the Indian River Lagoon
2. Date of Submission: 01/27/2016
3. House Member Sponsor(s): Ritch Workman

4. DETAILS OF AMOUNT REQUESTED:

- a. Has funding been provided in a previous state budget for this activity? No
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?
- 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	738,437	738,437

- 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: Frank Kinney
- b. Organization: Florida Institute of Technology
- c. Email: fkinney@fit.edu
- d. Phone #: (321)674-8960

6. Organization or Name of Entity Receiving Funds:

- a. Name: Florida Institute of Technology
- b. County (County where funds are to be expended) Brevard
- c. Service Area (Counties being served by the service(s) provided with funding) Brevard, Indian River

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.)

According to the Florida Department of Health (FDOH), in 2015 there were 3 confirmed cases of *Vibrio vulnificus* in Brevard County which resulted in 2 deaths. FDOH also reported 45 confirmed cases of *Vibrio vulnificus* in 28 Florida counties which resulted in 14 deaths.

Vibrio is a diverse genus of aquatic bacteria (comprising more than 50 species), with three pathogenic species in particular that can cause considerable harm to humans. *Vibrio vulnificus* can cause necrotizing fasciitis ('flesh-eating') lesions and sepsis, while *Vibrio parahaemolyticus*, and *Vibrio cholera* typically causes severe gastrointestinal distress, diarrhea, and vomiting. In extreme cases, these infections can lead to amputation, blindness, and even death. This threat is of particular concern to children, the elderly, and immunocompromised individuals.

Florida Institute of Technology is proposing to conduct a study which would quantify the distribution and abundance of *Vibrio* species in the Indian River lagoon. Sampling be undertaken for each season (wet and dry periods). The University will sample the sediment and the water column. It will also undertake a separate sampling protocol from the sediment, water column and fishes at 20 of the most visited water recreational fishing spots along the shoreline.

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

- Federal: 0
- 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?

No