

# 2016 FIU BIOMEDICAL RESEARCH INITIATIVE (BRI) STUDENT SUMMER RESEARCH AWARDS

Mini-grants for **all** full-time FIU graduate and undergraduate students are available to fund student summer research awards in the biomedical sciences through a Program Development Award from the National Institute of General Medical Sciences (NIGMS RISE Program). Awards, up to \$3000 each (with convincing budget justification) will be awarded for the summer of 2016. Selection of awardees will be based on scientific merit of the proposed project and the overall quality of the application. Applications will be reviewed and assessed according to the published criteria and ranked by external and internal reviewers. The funds are to be used for purchase of research supplies only and cannot be used for OPS wages, travel, equipment (costing \$1000 or more), or books. Please note that funds are available for the purchase of scientific software (costing less than \$1000) to be used in the laboratory only. Graduate and undergraduate students, currently engaged in biomedical research, are invited and encouraged to apply with a sponsorship letter from their research supervisor. To be eligible for an award a student must be enrolled in a degree program at FIU and be in residence during the summer and fall of 2016. Students who will be graduating in fall 2016 are not eligible unless they (or their research supervisor) can confirm that the project will be completed by the awardee and a presentation on the funded project will be presented by the student at the annual MARC U\*STAR & NIGMS RISE Student Mini-Symposium in the fall (October 2016) or at the 2017 Biomedical and Comparative Immunology (BCI) Symposium (March 2017) since all award recipients are required to present their research at one or other symposia to meet the eligibility requirements of the award. The application form and instructions for submission are available electronically via email or may be obtained as hard copies from the NIGMS RISE office (MARC 270).

**All** full-time FIU students engaged in biomedical research are encouraged to apply.

## **DEADLINES**

- DEADLINE FOR SUBMISSION OF COMPLETE APPLICATIONS:
  - **Friday, April 1<sup>st</sup>, 2016 BY 5:00PM.**
- RECIPIENTS OF THE RESEARCH AWARDS WILL BE ANNOUNCED AND NOTIFIED BY:
  - **Week of April 29<sup>th</sup>, 2016 BY 5:00PM.**
- RESEARCH AWARDS NEED TO BE ACCEPTED BY:
  - **Week of May 6<sup>th</sup>, 2016 BY 5:00PM.**

Please see application guidelines below for additional details.

For additional information, please contact NIGMS RISE Program Coordinator, Courtney Aiken ([coaike@fiu.edu](mailto:coaike@fiu.edu)) at 305-348-2604 or NIGMS RISE Program Specialist, David Felix ([Davidfelix@fiu.edu](mailto:Davidfelix@fiu.edu)) or 305-348-0409.

Robert Lickliter, Ph.D.  
NIGMS RISE Program Director  
Professor, Psychology  
Florida International University  
Modesto Maidique Campus, MARC 277  
Office: 305-348-7623  
Email: [licklite@fiu.edu](mailto:licklite@fiu.edu)

## **2016 BRI APPLICATION GUIDELINES**

The application must include the following:

- Application cover page (single page, found at the end of this announcement)
- Abstract (no more than 250 words), please provide word count.
- Project Description (3 pages, single-spaced, using 12-point font)
- Bibliography (one page)
- Detailed budget with justification (one page)
- Letter of recommendation/sponsorship from the investigator who will supervise the research and who will confirm that the applicant will be a registered student and work on the project for the duration of the award (May through December 2016). Your research supervisor must address this point in his/her letter of support.
  - This letter should be addressed to Dr. Robert Lickliter, NIGMS RISE Program Director.
  - It should be delivered in an enclosed envelope to the address below:  
Florida International University  
11200 SW 8th St. MARC 270  
Miami, FL. 33199
- **A copy of the current approval statement from IACUC and IRB for projects involving vertebrate animals and/or humans, respectively.**
- Recipients of 2015 student summer awards must submit, as an appendix to their application, a copy of abstract(s) or presentation(s) resulting from the 2015 funded research.

### **Proposal Development**

Choose a specifically descriptive title. The project abstract should contain a statement of objectives, methods to be employed and the biomedical significance of the proposed research. In the project description state the hypothesis to be tested, include specific aims, i.e., what the proposed research intends to accomplish for the duration of the award. Be realistic in your research objectives; confirm with your research supervisor that the aims of the project can be achieved within the duration of the award. Include details of the research plan (a brief background sketch and importance and relevance of the research to filling existing knowledge gaps in the field) and bibliography.

### **Budget**

When developing and justifying the project budget (**maximum \$3,000**) keep the following points in mind. Funds can only be used to purchase supplies (consumables such as animal food, reagents, biologicals, chemicals, and safety/protective items, etc.), sequencing charges, and small items of equipment or instrumentation costing less than \$1,000. Be sure to include an estimate of shipping and handling costs within your proposed budget. Please note that funds are available for the purchase of scientific software (costing less than \$1000) to be used in the laboratory only. Funds cannot be used for travel, wages, software (costing \$1000 or more), books, conference registration or to pay human subjects. Provide sufficient budgetary details and justification (for example, requesting funds for “*molecular biological reagents*” without explaining the use and application of the major reagents/kits that are requested is not helpful). Avoid including items in the budget that will be back-ordered (check with supplier). All ordered items including animals must be received by **June 1<sup>st</sup>, 2016 by 5PM**. You will be working directly with NIGMS RISE Program Specialist, David Felix ([Davfelix@fiu.edu](mailto:Davidfelix@fiu.edu)) to complete all orders and coordinate pick up from our office.

NOTE: If you prepare your budget in Excel format make sure it fits on a single page (font size cannot be smaller than 12).

## **Application Review**

Applications will be judged and ranked by reviewers according to the following criteria:

- Project relevance to the area of biomedical research
- Significance and future potential for development of the research
- Originality and innovativeness of the proposed project
- Quality (spelling, grammar, language, etc.) and completeness of the application
- Scientific presentations and/or publications resulting from prior student award(s) to applicant

## **Final Report & Presentation Requirement**

All award recipients are required to submit a final report on their project by **December 16<sup>th</sup>, 2016 by 5pm** via email to [coaike@fiu.edu](mailto:coaike@fiu.edu) and present their research findings at either the fall NIGMS RISE & MARC U\*STAR Student Mini-Symposium (October 2016) and/or at the 19<sup>th</sup> Annual Biomedical & Comparative Immunology Symposium (March 2017) at FIU.

*A final report template will be provided.*

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**NIGMS RISE  
BIOMEDICAL RESEARCH INITIATIVE (BRI)  
2016 FIU STUDENT SUMMER RESEARCH AWARDS**

**APPLICATION COVER PAGE**

NAME: \_\_\_\_\_ PANTHER ID#: \_\_\_\_\_  
DEPARTMENT: \_\_\_\_\_ LAB LOCATION: \_\_\_\_\_ LAB EXT: \_\_\_\_\_  
STATUS: GRADUATE  UNDERGRADUATE   
EMAIL: \_\_\_\_\_ TELEPHONE #: \_\_\_\_\_  
RESEARCH SUPERVISOR: \_\_\_\_\_  
TITLE OF PROJECT: \_\_\_\_\_

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RECIPIENT OF 2015 BRI SUMMER RESEARCH AWARD: Yes  No

ANNUAL REPORT OF PREVIOUS AWARD: Submitted  Not submitted

IACUC: Yes  No  IRB: Yes  No  Not applicable

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If awarded a BRI student summer research award I agree to meet the conditions of the award as stated in the guidelines.

Applicant Signature: \_\_\_\_\_ Dated: \_\_\_\_\_

Research Supervisor: \_\_\_\_\_ Dated: \_\_\_\_\_

**ABSTRACT: (can be attached, but not to exceed 250 words)**

Word Count