The Norman R Weldon Biomedical Engineering
Undergraduate Student Summer Research Internship

Biomedical Engineering Department

The FIU Biomedical Engineering Department has established an award for undergraduate students to participate in faculty research during the summer. The awards are intended to support students with an interest in pursuing a career in research with plans to attend graduate studies in biomedical engineering. Two students will be selected to conduct research in a faculty's laboratory for 20 hr/week for 12 weeks at $10/hour over the summer (May-August). Students must apply with a faculty mentor. The student will prepare a 3 page proposal and demonstrate that the resources (both facilities, equipment, and materials) are available for the research. The faculty mentor must write a letter indicating that they are willing to serve as mentor and that there is sufficient financial resources to do the research. Applications will be reviewed and assessed according to the following criteria: (1) student's academic achievements (grades), (2) student's history of participation in department activities (BMES), (3) the scientific proposal, (4) availability of adequate resources, (5) mentor's letter. At the end of the summer the student will provide a final report and give a presentation at a student BMES chapter meeting. These awards are intended for students at the late junior or early senior level and may not be used by a student registered for senior design credit during the summer they are doing the research if the research is directly related to their current senior design project.

Submit the original and three copies (preferably copied double-sided) to the BME receptionist (EC 2600) by April 11, 2008. Funds will be available at the beginning of the summer session (May 5).

Email: bmeinfo@fiu.edu
Telephone: 305-348-6950
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APPLICATION GUIDELINES

INSTRUCTIONS: Read and follow the instructions carefully. Prepare the application single sided and single spaced, and stay within the one inch page margins. Use type face no less than 12 point to prepare the document. Do not exceed the page limitation for each section of the application.

The application must include the following
• Application cover page (single page)
• Abstract (no more than 250 words)
• Project Description (3 pages, single spaced, using 12 point font)
• Bibliography (one page)
• Letter of recommendation/sponsorship from the investigator who will supervise the research and who will confirm that the applicant will work on the project for the duration of the award (summer: May through August).
• A copy of the Approval statement from IACUC and IRB for projects involving vertebrate animals and/or humans, respectively.

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. 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.

ALL AWARD RECIPIENTS ARE EXPECTED TO SUBMIT A FINAL REPORT ON THEIR PROJECT BY AUGUST 25TH, 2008.

Applications will be judged and ranked according to the following criteria.
• Qualifications of the applicant
• 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
• Availability of adequate resources to complete the project
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APPLICATION COVER PAGE

NAME: ___________________________   PS ID#: _______________________
LAB LOCATION: _____________________
STATUS: Total number of credit hours earned: _____ Credit hours earned in major _____
EMAIL: ___________________________  TELEPHONE _______________________
RESEARCH MENTOR: ____________________________________________________
TITLE OF PROJECT: ____________________________________________________
_____________________________________________________________________

ABSTRACT: (Not to exceed 250 words)

SIGNED: ___________________________   DATE: _______________________
