

INTERDISCIPLINARY BIOMEDICAL RESEARCH PROGRAM - SUMMER 2004



The **Interdisciplinary Biomedical Research Program (IBRP)** is a summer undergraduate research program funded by the National Institutes of Health. IBRP cultivates interactions between the physical and biological sciences, giving 10 select students majoring in the physical sciences, mathematics, computer science or engineering the opportunity to work in biomedical research laboratories full time for 10 weeks, using a multi-disciplinary approach to research in biological systems.

APPLICATION

I. CONTACT INFORMATION:

name (last, first, middle initial) _____

telephone number _____

e-mail address _____

campus address _____

home address _____

city _____

state _____

zip code _____

citizenship status [] **1=US Citizen 2=Permanent Resident**

[If U.S. Permanent Resident, indicate number and date of entry; place of birth; country of citizenship]

No. _____ Date of Entry ___/___/___ Place of Birth _____

Country of Citizenship (if applicable) _____

II. EDUCATION/RESEARCH INFORMATION

Major _____ **GPA** _____ (*include copy of transcript with application)

number of credits completed _____ check one:

anticipated date of graduation: _____

freshman

sophomore

junior

first semester senior

Preferred research mentor (list 1st, 2nd, & 3rd choices; more information on participating faculty found at <http://life.bio.sunysb.edu/biotech/ibrp/index.html>)

1) _____

2) _____

3) _____

Outline your **Education and Career Plans**:



III. RESEARCH EXPERIENCE

Please answer the following questions on a separate piece of paper (please type; include your name on every page of the attachment).

Part One) Outline your **prior research experience**. Include prior, current or pending support for research (give funding source, amount and project). Limit your response to one paragraph.

Part Two) Why do you want to participate in the **Interdisciplinary Biomedical Research Program**? What participating IBRP faculty research interests you? (Refer to <http://life.bio.sunysb.edu/biotech/ibrp/index.html>). Explain why you want to be involved in a particular lab/project. Your essay should focus on the project you identify and should indicate your interest in working on it, the skills you bring, and the potential contribution you can make as a result of your work in your major field. You should also expand upon what you hope to learn from this experience, especially with reference to the convergence of your major field and the field of biology. **Please note that you are not necessarily committed to the specific project that is the focus of your essay; and that your first choice or preferred research mentor cannot be guaranteed.** (Please limit your response to 2 typewritten pages, single spaced.)

IV. AGREEMENT *(The following must be signed by the applicant).*

I understand that this program represents a full-time commitment and that I may not take classes or work at another job during the duration of the program. If accepted into the IBRP program, I would agree to prepare an abstract, participate in all IBRP activities, and give a presentation* as required as a condition of this program. I would also agree to register for zero credits with my department.

Applicant's Signature _____

* Stony Brook students will also be required to present their work at the University's Celebration of Undergraduate Research in the spring of the following year.

INTERDISCIPLINARY BIOMEDICAL RESEARCH PROGRAM – June 2nd to August 11th, 2004

Application Information

The completed application packet consists of: 1) an application form, 2) a typed attachment which identifies the applicant's prior research experience and biomedical research interests (including reference to a participating IBRP faculty research mentor and laboratory of interest); 3) a transcript; and 4) a letter from a faculty member in the applicant's major field. The letter should comment on the student's research or engineering capabilities and potential, and *should be provided in a sealed envelope with the faculty member's signature across the seal*. **The completed application must be submitted by March 15th to: IBRP Summer Research Fellowship, N3005 Melville Library, Stony Brook University, Stony Brook, New York 11794-3357.** *Please include 2 copies of the application form and essay with your application.*

Eligibility: The program is open to all undergraduates majoring in the physical sciences, mathematics, computer science, and/or engineering who are U.S. citizens or permanent residents —*except those graduating in May 2004*. Students must have a minimum GPA of 3.3 (3.5 in math, science and/or engineering courses). Participants may not take classes or work at another job during the IBRP program period. Preference will be given to Stony Brook undergraduates.

Award: The IBRP participants will receive a \$4,000 stipend (room/board not provided).

If you have any questions regarding the IBRP application, contact Karen Kernan, at (631) 632-7114 or kkernan@notes.cc.sunysb.edu. For questions about particular research interests in the field of biomedical engineering, contact Professor Clinton Rubin, Clinton.Rubin@sunysb.edu. The University at Stony Brook is an affirmative action/equal opportunity educator and employer.

