2012 program:  **May 29 - August 3**

The Nano/Bio Interface Center (NBIC) at the University of Pennsylvania seeks motivated undergraduate candidates for the summer research program. **Undergraduate Research at the Nano-Bio Interface** supports undergraduate students working in research labs for 10 weeks. The primary goal of this program is education and training in the interdisciplinary field of molecular function at the nanoscale taking advantage of the University of Pennsylvania’s substantial research efforts in these and other pertinent fields. Students in this program will participate in a series of activities dealing with societal, cultural, and ethical issues evolving around advancements in science and technology, in particular nanobiotechnology.

Applications now being accepted.

**Deadline:**  **FEBRUARY 27, 2012**

**Program highlights**
- Summer stipend, $4,100
- Shared housing costs for all participants
- Interdisciplinary research
- Social and recreational activities
- Great summer activities in Philadelphia
- Diverse cultural setting situated between New York City and Washington D.C.

**Contact:** Jim McGonigle  
**Contact Info:** Office, 215/898-5151  
**email:** jmgon@seas.upenn.edu

**www.nanotech.upenn.edu**
The Nano/Bio Interface Center (NBIC) at the University of Pennsylvania seeks highly qualified undergraduate candidates for the summer research program. **Undergraduate Research at the Nano-Bio Interface** supports undergraduate students working in research labs for 10 weeks. The primary goal of this program is education and training in the interdisciplinary field of molecular function at the nanoscale taking advantage of the University of Pennsylvania’s substantial research efforts in these and other pertinent fields. Students in this program will participate in a series of activities dealing with societal, cultural, and ethical issues evolving around advancements in science and technology, in particular nanobiotechnology.

The NBIC exploits Penn’s internationally recognized strengths in design of molecular function and quantification of individual molecules. The study of the ethics of nano-bio technology is an integral part of the program. The Center unites investigators from ten departments in three schools (School of Engineering and Applied Sciences, School of Medicine, and School of Arts and Sciences) to provide, not only new directions for the life sciences, but also for engineering in a two-way flow essential to fully realizing the benefits of the intersection of biology with nanotechnology. The research program is structured around two major themes (Biomolecular Function and Molecular Motion) and two cross cutting initiatives (Single Molecule Probes and Ethics). Participating students will have the opportunity to work in an active research group within one of these schools.

The program is a ten-week research experience and offers a $4,100 stipend. Students reside in university facilities at a reduced rate.

**Details about the program can be obtained by contacting:**

James McGonigle, Programs Coordinator  
Nano/Bio Interface Center  
University of Pennsylvania  
3231 Walnut Street  
Philadelphia, PA 19104-6272  
215-898-5151 or email at jmcgon@seas.upenn.edu
APPLICATION DEADLINE FEBRUARY 27, 2012

UNDERGRADUATE RESEARCH AT THE NANO-BIO INTERFACE
29 May - 3 August 2012
University of Pennsylvania

Please complete the following information.

First Name __________________________ Last Name __________________________

Citizenship
  o U.S. Citizen
  o Permanent Resident

  Do you hold a F-1 Visa?  ___ YES  ___ NO
  Are there conditions on earnings?  ____________________________

Undergraduate Institution  __________________________________________
Expected Date of Graduation  ____________________________
Major  ____________________________
GPA  ____________________________

Test scores must be submitted in order for application to be considered complete
Undergraduate Admission Test  Test Scores
  o SAT
  o ACT

  Verbal  __________
  Math  __________
  other  __________

Test Date (month and year)  _________________

Current Address (at university)
Street  __________________________________________
City  __________________________________________
State  __________________________________________
Zip Code  __________
Telephone  ____________________________
Email  ____________________________

Permanent address (home if different from above) after this date:  (mm/dd/yyyy)  _________________
Street  __________________________________________
City  __________________________________________
State  __________________________________________
Zip Code  __________
Telephone  ____________________________
Email  ____________________________
**APPLICATION DEADLINE FEBRUARY 27, 2012**

**References:** please ask two academic faculty to provide a letter of recommendation. They can be mailed with your application (each must be signed across the envelope seal) or mailed direct to the address at the bottom of this form.

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The University of Pennsylvania seeks to draw students from diverse backgrounds. The information requested below will be used to evaluate the effectiveness of our recruitment efforts and to facilitate the selection of a diverse student body. THIS INFORMATION IS CONFIDENTIAL AND VOLUNTARY. Answering the question or omission of an answer will not influence the University’s decision on admission. Please indicate the group in which you would include yourself.

**Gender**
- Male
- Female

Date of birth (month/day/year) ________________

**Ethnicity**
- African-American/Black
- Alaskan Native/Native American (Tribal identity __________________________ )
- Asian-American (non-Pacific Islander)
- Pacific Islander
- Mexican-American/Chicano
- Puerto Rican
- Other Hispanic/Latino (specify __________________________ )
- White, not of Hispanic origin
- Other Origin (specify __________________________ )

**TO COMPLETE YOUR APPLICATION:** please read carefully

Please mail:

1. this form,
2. an official copy of your transcripts, and
3. a one-page statement of research interests/career goals

Nano/Bio Interface Center
University of Pennsylvania
3231 Walnut Street
Philadelphia, PA 19104-6272
c/o James McGonigle