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:** jmcgon@seas.upenn.edu  

**NANO/BIO INTERFACE CENTER** 3231 Walnut Street, Philadelphia, PA 19104  
**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                      Verbal __________
  o ACT                      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 ______________________________
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.

(#1) Name
Title
Institution
Email
Telephone

(#2) Name
Title
Institution
Email
Telephone

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
  o Male
  o Female

date of birth (month/day/year) _________________

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