



**The Nano-Bio Interface Center** announces a pilot project program on Physical Science in Cancer Research. The fields of cancer biology and clinical oncology have been dominated by researchers with classical training in life sciences. More recently, the field has expanded to include physical and engineering scientists, whose expertise is complementary to those of life scientists. The goal of the NBIC Physical Science in Cancer Research Pilot Program is to support new approaches that apply emerging nanotechnology based science and engineering to cancer biology, diagnostic and therapeutic strategies, and related topics.

Awards of up to \$50,000 will be made with a start date of April 15, 2011.

Any member of the standing faculty or research track faculty in the 12 professional schools at the University of Pennsylvania, are eligible to apply. The research being proposed should represent a new idea or direction that, if successful, could nucleate a broader program at the interface of physical science and life science. Applicants should indicate how the research is related to NBIC global goals:

Understanding molecular interactions at interfaces of biological and physical systems  
Probing molecular interactions

Proposals will be evaluated based on technical merit, impact, feasibility, likelihood of success, and appropriateness of needed facilities and equipment. A successful track record of research and interdisciplinary collaborations are all advantageous. Leveraging for future extramural funding from federal initiatives will be considered in the review process, as will the potential to build partnerships on campus.

The following should be submitted for the internal review by Friday, **March 25, 2011**.

The research plan should not be longer than five pages.

- I. Non-Confidential Executive Summary
- II. Research Plan
  - a. Specific Aims
  - b. Significance and Innovation
  - c. Approach
  - d. References
  - e. Biographical Sketches
  - f. Current and Pending Support
  - g. Sections (a-c) of the Research Plan should not exceed 5 pages.
- III. Budget: Funds may be used to support graduate students, and other research staff; materials and supplies. Minor equipment less than \$5,000 can be purchased with these funds. Faculty cannot charge their salary or request travel funds on these grants.

To apply, submit one PDF file to **Hong-Mei Li**, Administrative Coordinator NBIC, [nbicasst@seas.upenn.edu](mailto:nbicasst@seas.upenn.edu).