

## **Research Experience for Undergraduates** (<http://www.nano.upenn.edu/resources/reu/>)

The Singh Center for Nanotechnology at the University of Pennsylvania seeks highly qualified and motivated undergraduate applicants for its Research for Undergraduate Experience (REU) Program for summer 2016.

This 10-week program is designed to give undergraduate students the opportunity to work with scientists on the cutting-edge of nanoscale research. The Singh Center is centered around four major research facilities, all featuring state-of-the-art equipment for nanoscale characterization, measurement, and fabrication: the Quattrone Nanofabrication Facility, the Nanoscale Characterization Facility, the Scanning and Local Probe Facility, and the Material Property Measurement Facility.

Summer projects will include the traditional REU-model project, ones in which students work on a research project within a Penn faculty member's lab, as well as unique project opportunities to work on research originating from the Singh Center research facilities themselves. Students will be matched to projects based on their background, interests and the projects' needs and requirements. All projects will provide the opportunity to learn next-generation nanotechnology approaches and to develop experience working in at least one of the research facilities using state-of-the-art equipment. Students will gain experience with substantial aspects of doing science: experimental design, data collection and communication of results. Students will also participate in activities that complement the lab research and help to develop broader scientific and career skills: seminars, paper discussions, career sessions and skills workshops.

Student participants will earn a \$5500 stipend (before taxes, paid in installments), and will be housed within walking distance of the university with housing provided by the program. In addition, up to \$500 in travel costs to Philadelphia may be eligible for reimbursement. [Philadelphia](#) is an exciting place to live for the summer, with many social and recreational activities.

### **Program at-a-glance**

**Focus:** Nanoscale research opportunities across a wide range of disciplines from materials science, mechanical engineering, chemistry, physics, biology, bioengineering, physiology, chemical engineering and electrical engineering.

**Dates:** May 31 – August 5, 2016 (10 weeks)

**Location:** University of Pennsylvania, Singh Center for Nanotechnology in Philadelphia, Pennsylvania

**Eligibility:** You must be an enrolled undergraduate student, who will not graduate before the summer program ends. Students attending a college or university other than Penn are invited to apply.

You must be a U.S. citizen or permanent resident to participate in this program.

The University of Pennsylvania values diversity and seeks talented students from diverse backgrounds. We strongly encourage women, underrepresented minorities, individuals with disabilities and veterans to apply. One of the program's goals is to have enough underrepresented minority participation in each cohort to explore diversity in STEM issues in meaningful and effective ways.

**Stipend:** \$5500 (before taxes, 9 AM – 5 PM full-time participation for the duration of the program is expected)

**Application Components:** a) online application form, b) personal statement (1-page), c) two letters of recommendation, d) transcript from your current school and from all colleges you have attended and e) resume (1-page). These components are described in the application form below.

For files with page limits (e.g., statement, resume), please respect the requested length limitations. Files longer than the limit will not be reviewed.

**Application Deadline:** 5 PM, Feb. 26, 2016 (applicants will be notified of the status of their application by April 1, 2015)

**Application Portal:** <http://www.nano.upenn.edu/resources/reu/>

**Questions:** [SinghCenter\\_REU@nano.upenn.edu](mailto:SinghCenter_REU@nano.upenn.edu)