

# 2014 Nanotechnology Summer Internships

## Research Experience For Undergraduates Program

Explore exciting interdisciplinary opportunities in Nanoscience and Nanotechnology at a leading university research center

Quantum Structures  
Nanofabrication Processes  
Nanoscale Solid State Physics  
Chemistry at the Nanoscale



Physics  
Chemistry  
Engineering  
BioSciences

Nanobiotechnology  
Nano and Microelectronics  
Optics and Optoelectronics  
Nano and Micromechanics



### Participating sites include:

Cornell NanoScale Science and Technology Facility at Cornell  
Stanford Nanofabrication Facility at Stanford  
UCSB Nanofabrication Facility at UC Santa Barbara  
Lurie Nanofabrication Facility at U. Michigan Ann Arbor  
Minnesota Nano Center at U. Minnesota  
NanoTech User Facility at U. Washington  
Nanotechnology Research Center at Georgia Tech  
Howard Nanoscale Science and Engineering Facility at Howard University  
Center for Nanoscale Systems at Harvard University  
Penn State Nanofabrication Facility at Penn State  
ASU Nanofab at Arizona State University

Nano and Microfluidics  
Nanostructure Science  
Molecular Scale Structures  
Self-assembled Structures

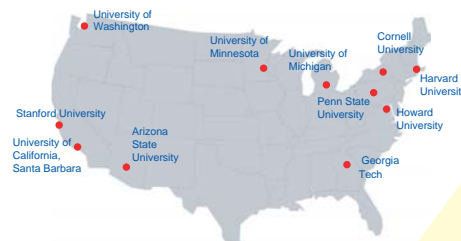


Chemical and Biological Sensors  
Computational Nanophysics  
Molecular Electronics  
Polymers  
Nanoparticles  
Bioengineering  
Magnetics  
Ferroelectrics  
Soft-materials  
Biophysics



Eleven leading nanotechnology laboratories plan to team together to offer a joint REU program during the summer of 2014. Selected students will participate in a unique, highly coordinated research experience involving one of the many facets of nanotechnology at one of the participating facilities. Opportunities exist in all areas of the country, across a broad range of science and technology. Each project involves hands-on nanotechnology research with state-of-the-art equipment. Each student will work on an individual research project, with support from faculty, student mentors, and facility staff. At the end of the program, all participants will gather for a national research convocation on nanotechnology where each student will present the results of his/her summer work. This program builds on the success of 18 prior years of networked REU programs conducted by these institutions.

A small number of positions for Social Science students to study Social and Ethical Issues related to Nanotechnology may also be available.



*This program is subject to availability of funding and may be cancelled prior to March 1, 2014*

### Application Deadline:

**February 12, 2014**

all application materials must be submitted online

One on-line application

### Award Process Begins:

**March 10, 2014**

Approximately 60 available positions

application accessible at:

<http://www.nnin.org/reu>

10 Week Program  
Stipend  
Travel  
Housing

Applicants must be U.S. Citizens or Permanent Residents at time of application. Minority and female candidates as well as candidates from smaller, non-research institutions are especially encouraged to apply. Minimum 3.0 GPA required.

*This particular program includes the nanotechnology REU programs of the listed laboratories. Other separate nanotechnology REU programs, not affiliated with this effort, may also be available at each university; Applications for those programs are handled separately.*

