

National Nanotechnology Initiative (NNI) Funding Opportunities at NSF in FY 2012

www.nsf.gov/nano

For fiscal year 2012, the National Science Foundation budget request for the National Nanotechnology Initiative (NNI) is approximately \$450 million. All participating research and education directorates and the Office of International Science and Engineering (OISE) accept proposals in nanoscale science and engineering, education, innovation, including with an international component, following a competitive selection process. The participating directorates are: Biological Sciences (BIO), Computer and Information Science & Engineering (CISE), Engineering (ENG), Geosciences (GEO), Mathematical and Physical Sciences (MPS), Social, Behavioral and Economic Sciences (SBE), and Education and Human Resources (EHR).

General information about NNI specific programs can be found on www.nsf.gov/nano, about NSF's core programs on http://www.nsf.gov/funding/research_edu_community.jsp, and about OISE programs on <http://www.nsf.gov/div/index.jsp?div=OISE>. The NSF award database including about 5,000 active awards contributing to nanoscale science and engineering can be accessed from www.nsf.gov/nano.

NSF supports nanoscale science and engineering in fiscal year 2012 in multiple ways:

- Competitive awards in existing (core) programs in the research and education directorates, including interdisciplinary team research proposals.
- NSF Announcement 11-527: Nanosystems Engineering Research Centers (NERC), http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf11537
- NSF Announcement 12-504 : Network for Computational Nanotechnology (NCN), http://www.nsf.gov/publications/pub_summ.jsp?WT.z_pims_id=504704&ods_key=nsf12504
- The Small Business Innovative Research (SBIR) and Small Business Technology Transfer (STTR) programs: <http://www.nsf.gov/eng/iip/sbir/>
- Also, it is expected that most of the program solicitations competed in FY 2011 will continue in FY 2012. Such solicitations will be announced on this website at the time of publication.
- International supplements. Awards made in previous fiscal years for individual investigators, groups, centers, and user facilities can be supplemented by the programs.

Research and education areas in nanoscale science and engineering are inherently interdisciplinary, and proposals for collaborative approaches are encouraged to address research and education themes with a synergistic blend of expertise as appropriate. Each successful proposal may be funded by either one or more programs. Various deadlines and target dates apply for new proposals. For further guidance, investigators are encouraged to read the NSF Guide to programs, consult the NSF website www.nsf.gov/nano, and contact an NSF program director in their area of interest prior to submitting a proposal.

**National Science Foundation
National Nanotechnology Initiative Summary
FY 2012 Congress Budget Request**

NNI Funding

(Dollars in Millions)

	FY 2010 Omnibus Actual	FY 2010 ARRA Actual ¹	FY 2010 Enacted/ Annualized FY 2011 CR	FY 2012 Request
Biological Sciences	\$56.67	-	\$56.60	\$63.10
Computer and Information Science and Engineering	12.95	-	11.00	31.00
Engineering	152.50	17.72	148.00	174.37
Geosciences	0.85	-	0.85	0.85
Mathematical and Physical Sciences	199.11	-	190.59	182.36
Social, Behavioral and Economic Sciences	1.73	-	1.67	1.67
Office of International Science and Engineering	1.36	-	-	0.10
Subtotal, Research and Related Activities	\$425.17	\$17.72	\$408.71	\$453.45
Education and Human Resources	3.50	-	3.50	2.50
Total, National Nanotechnology Initiative	\$428.67	\$17.72	\$412.21	\$455.95

Totals may not add due to rounding.

¹ FY 2010 ARRA funding represents Major Research Instrumentation awards funded by Integrative Activities but managed by Engineering.