

National Nanotechnology Initiative (NNI) Funding Opportunities at NSF in FY 2015

(www.nsf.gov/nano)

For fiscal year 2015, the National Science Foundation budget estimate for the National Nanotechnology Initiative (NNI) is approximately \$413.38 million. All participating research and education directorates 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 and about NSF's core programs on http://www.nsf.gov/funding/research_edu_community.jsp. 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 2015 in multiple ways:

- Competitive awards in existing (core) programs in the research and education directorates, including interdisciplinary team research proposals.
- Nanosystems Engineering Research Centers (NERC), part of Gen-3 Engineering Research Centers
- Scalable Nanomanufacturing
- Nanotechnology Undergraduate Education
- 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 2013 will continue in FY 2014. 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 2014 Congress Budget Request**

Total Funding for NNI

(Dollars in Millions)

	FY 2014 Actual	FY 2015 Estimate	FY 2016 Request
Biological Sciences	\$50.28	\$48.80	\$48.80
Computer and Information Science and Engineering	13.23	13.66	14.14
Education and Human Resources	2.50	2.50	2.50
Engineering	204.76	166.00	168.50
Geosciences	0.30	0.30	0.30
Mathematical and Physical Sciences	191.70	180.62	180.62
Social, Behavioral, and Economic Sciences	1.67	1.40	1.40
Office of International Science and Engineering	0.10	0.10	0.10
Total, NNI	\$464.54	\$413.38	\$416.36

Totals may not add due to rounding.

NNI Funding by Program Component Area

(Dollars in Millions)

	FY 2014 Actual	FY 2015 Estimate	FY 2016 Request
1. Nanotechnology Signature Initiatives	\$122.49	\$114.57	\$118.07
<i>Nanotechnology for Solar Energy</i>	29.50	27.67	27.67
<i>Sustainable Nanomanufacturing</i>	30.66	23.40	26.40
<i>Nanoelectronics for 2020 and Beyond</i>	34.44	37.00	37.50
<i>Nanotechnology Knowledge Infrastructure</i>	11.33	19.00	19.00
<i>Nanotechnology for Sensors</i>	16.56	7.50	7.50
2. Foundational Research	212.22	186.80	187.00
3. Nanotechnology-Enabled Applications, Devices, and Systems	54.85	45.00	44.21
4. Research Infrastructure and Instrumentation	53.53	44.54	44.60
5. Environment, Health, and Safety	21.45	22.47	22.48
Total, NNI	\$464.54	\$413.38	\$416.36

Totals may not add due to rounding.