

Equipment and Instrumentation Grant Programs

Equipment and instrumentation grants tend to be limited, and often require institutional submission. The NSF, NIH, and the Department of Defense fund equipment and instrumentation acquisition, while other sources of equipment and instrumentation include gifts from industry.

Various published guides provide useful information about equipment, instrumentation, and facilities grant funding, including:

Directory of Computer and High Technology Grants. Loxahatchee, FL: Research Grant Guides, Inc. *Includes over 500 foundations that provide funding for computers and technological equipment are profiled.*

National Guide to Funding for Information Technology. New York: The Foundation Center. *Updated regularly. Covers grants makers of awards for projects in computer science, engineering and technology, telecommunications, and related fields of information technology.*

Directory of Building and Equipment Grants. R. M. Eckstein. Loxahatchee, FL: Research Grant Guides, Inc. Includes more than 5,000 funding entries covering grants for building, equipment, and renovations.

Some major equipment and instrumentation programs:

NSF

Course, Curriculum, and Laboratory Improvement (CCLI)

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5741

The Course, Curriculum, and Laboratory Improvement (CCLI) program seeks to improve the quality of science, technology, engineering, and mathematics (STEM) education for all undergraduate students. It especially welcomes proposals that have the potential to transform undergraduate education in science, technology, engineering, and mathematics (STEM) for all students. The program supports efforts to create, adapt, and disseminate new learning materials and teaching strategies to reflect advances both in STEM disciplines and in what is known about teaching and learning. It funds projects that develop faculty expertise, implement educational innovations, assess learning and evaluate innovations, prepare K-12 teachers, or conduct research on STEM teaching and learning. It also supports projects that further the work of the program itself, for example, synthesis and dissemination of findings across the program. The program supports projects representing different stages of development, ranging from small, exploratory investigations to large, comprehensive projects.

Chemistry Research Instrumentation and Facilities: Departmental Multi-User Instrumentation (CRIF:MU)

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13579&org=NSF&sel_org=NSF&from=fund

The Chemistry Research Instrumentation and Facilities Program (CRIF) is structured to enable the National Science Foundation's Division of Chemistry to respond to a variety of needs for infrastructure that promotes research and education in areas traditionally supported by the Division ([NSF Chemistry Homepage](#)). The Departmental Multi-User Instrumentation component of CRIF (CRIF:MU) provides funds to universities, colleges, and consortia thereof for the purchase of multi-user instruments. The maximum request is \$500,000 for instrumentation. Up to an additional \$100,000, including indirect cost, may be requested for personnel who are needed to support cyber-enhanced projects if the instrument is cyber-enabled.

Major Research Instrumentation Program (MRI):

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5260&org=NSF&sel_org=XCUT&from=fund

The Major Research Instrumentation Program (MRI) serves to increase access to shared scientific and engineering instruments for research and research training in our Nation's institutions of higher education, museums and science centers, and non-profit organizations. This program especially seeks to improve the quality and expand the scope of research and research training in science and engineering, by providing shared instrumentation that fosters the integration of research and education in research-intensive learning environments. Development and acquisition of research instrumentation for shared inter- and/or intra-organization use is encouraged, as are development efforts that leverage the strengths of private sector partners as appropriate for the goals of the MRI Program.

NIH

Recovery Act Limited Competition: High-End Instrumentation Grant Program (PAR-09-118) <http://grants.nih.gov/grants/guide/pa-files/PAR-09-118.html>

The National Center for Research Resources High-End Instrumentation Grant (HEI) encourages applications from groups of NIH-Supported investigators to purchase a single major item of equipment to be used for biomedical research that costs at least \$600,000.

Recovery Act Limited Competition: Core Facility Renovation, Repair, and Improvement (G20)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-RR-09-007.html>

NCRR solicits applications from institutions that propose to renovate, repair, or improve core facilities.

Recovery Act Limited Competition: Extramural Research Facilities Improvement Program (C06) <http://grants.nih.gov/grants/guide/rfa-files?RFA-RR-09-008.html>

NCRR solicits applications from institutions that propose to expand, remodel, renovate, or alter biomedical or behavioral research facilities.