



NATIONAL SCIENCE FOUNDATION

## MAJOR RESEARCH INSTRUMENTATION PROGRAM 2017

NSF 15-504 <http://www.nsf.gov/pubs/2015/nsf15504/nsf15504.htm>

For FAQ and award lists, see: <http://www.nsf.gov/pubs/2015/nsf15012/nsf15012.jsp>

**INTERNAL DEADLINE: WEDNESDAY, OCTOBER 5, 2016**

Sponsor Deadline: Wednesday, January 11, 2017

### BACKGROUND:

**This program supports the acquisition, through purchase, upgrade, or development of state-of-the-art major instrumentation for research, research training, and integrated research/education activities.**

Proposals may be for a single instrument, or multiple instruments that when combined form a well-integrated instrument. NSF will consider proposals related to NSF-supported fields of science, mathematics, or engineering.

*The following will NOT be funded:* suites of instruments to outfit research facilities, general-purpose computer equipment; lists of assorted instruments that do not share a common research or research training focus; and instrumentation requested primarily for standard science and engineering courses. Instrumentation to be used in disease-oriented research, including design and testing of drugs for treatment (other than that involving bioengineering) will not be supported.

ELIGIBILITY REQUIREMENTS: There are no principal investigator limitations.

### LIMITED SUBMISSIONS:

Yale University may submit up to three (3) proposals for the acquisition or development of instrumentation. Inclusion as a funded subawardee on a development proposal at a level in excess of 20% of the total budget request from NSF, or on any acquisition proposal, will be counted against an organization's proposal submission limit.

### FUNDING:

Awards will range from **\$100,000 to \$4 million for both acquisition and development proposals.**

**Applications for less than \$100,000** will also be accepted for instrumentation needs within the social, behavioral, and economic sciences.

For both development and acquisition proposals, cost sharing equal to exactly 30% of total proposal project costs is required. Total proposal project costs equal the NSF share of 70% plus cost sharing of 30%. Contributions towards cost-sharing may be made from any *non-Federal* source, and may be cash or in-kind.

### Instrument Acquisition Proposals

Cost should be based on the "net" price of the acquisition, after discounts. Eligible costs are limited to the costs of the instrument, installation, calibration, commissioning, and the direct and indirect costs of operation and maintenance, and other appropriate technical support during the award period.

### Instrument Development Proposals

Eligible costs are limited to parts and materials needed for construction of the instrument, including relevant operations and maintenance expenses, commissioning costs, and the direct and indirect costs associated with support of personnel engaged strictly in the development effort.

### INTERNAL COMPETITION PROCEDURES:

Please prepare a 3-page internal proposal with details about:

- instrument name, costs, and intended location; specify acquisition or development
- user group (faculty and/or researchers and institutions involved in the project)
- demonstrated need for the instrument and research activities to be enabled
- plans for cost-sharing (please be specific)
- potential impact on improving the quality and expanding the scope of research and research training
- extent to which this proposal suggests and explores creative, original, or potentially "transformative" concepts

Please **E-MAIL INTERNAL PROPOSALS** to: [melanie.smith@yale.edu](mailto:melanie.smith@yale.edu) with cc: [osp@yale.edu](mailto:osp@yale.edu) on or before **Wednesday, October 5, 2016.**