### National Science Foundation

Major Research Instrumentation (MRI)
Program Summary

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**Dr. Randy Phelps** 

mri@nsf.gov 703-292-8040

http://www.nsf.gov/od/oia/programs/mri/

<sup>1</sup>The MRI program is coordinated by the Office of Integrative Activities (OIA) in collaboration with Directorates and Offices across NSF.





#### **MRI: Overall Goals**

- Supporting the acquisition of major state-of-the-art instrumentation, thereby improving access to, and increased use of, modern research and research training instrumentation shared by the Nation's scientists, engineers, and graduate and undergraduate students;
- Fostering the development of the next generation of major instrumentation, resulting in new instruments that are more widely used, and/or open up new areas of research and research training;
- Enabling academic departments, disciplinary and cross-disciplinary units, and multiorganization collaborations to integrate research with education;
- Supporting the acquisition and development of research instrumentation that makes use of, advances, and/or expands the Nation's cyberinfrastructure and high performance computing capability;
- Promoting substantive and meaningful partnerships for instrument development between the academic and private sectors



The MRI program does not support sustaining infrastructure

# MRI Proposals: The Basics

#### Submission limit:

- 3 per organization: If three proposals are submitted, at least one of the proposals must be for instrument development.
- Cost-sharing at the level of 30% of the total project cost is required for Ph.D.-granting institutions and non-degree-granting organizations.
  Cost-sharing is not required for non-Ph.D. granting institutions
- At the time of submission, PI's are asked to identify an NSF division(s) to review proposal NSF reserves the right to place proposals in appropriate divisions for review (*OIA should not be selected*)
- Restrictions on organization submission eligibility (see solicitation)



# **MRI: Eligible Organizations**

- Ph.D. granting institutions of higher education: accredited colleges and universities that have awarded more than 20 Ph.D.s or D.Sci.s in all NSF-supported fields during the combined previous two academic years. Additionally, any organization that has awarded a Ph.D. or D.Sci. in NSF-supported fields during the combined previous two academic years is considered to be a Ph.D.-granting institution if the only degrees it awards in NSF-supported fields are Ph.D.s or D.Sci.s.
- Non-Ph.D. granting institutions of higher education: accredited colleges and universities (including two-year community colleges) that award Associate's degrees, Bachelor's degrees, and/or Master's degrees in NSF-supported fields, but have awarded 20 or fewer Ph.D./D.Sci. degrees in all NSF-supported fields during the combined previous two academic years.
- Non-degree granting organizations: Organizations that do not award Associate's degrees, Bachelor's degrees, Master's degrees, and/or Ph.D.s or D.Sci.s. Non-degree-granting organizations also include institutions of higher education that award all of their degrees outside of NSF-supported fields.



# MRI-FY08<sup>1</sup>

Major Research Instrumentation – FY08

#### 2008 Award Snapshot - Overall

**Number Reviewed: 810** 

**Dollars Requested:** \$515.8 million

Number of Awards: 224 (39 DEV, 185 ACQ)

MRI Amount Awarded: \$93.2 million

NSF Amount Awarded: \$101.0 million

**Overall Success Rate: 27.7%** 

**Mean Award:** \$451,000

**Median Award:** \$330,000

**Number of Institutions that Participated: 449** 

**Number of Institutions Awarded: 184** 



<sup>1</sup>Last MRI competition not affected by one-time funding from the American Recovery and Reinvestment Act

# MRI-FY08 Major Research Instrumentation – FY08

#### 2008 Award Snapshot – By Institution Type

	Ph.D.	non-Ph.D.	Non-degree	MSI
# reviewed	472	304	34	74
Mean request	\$765 K	\$430 K	\$704 K	\$555 K
Median request	\$568 K	\$323 K	\$559 K	\$397 K
# awards	129	84	11	24
NSF \$ awarded	\$73.7 M	\$22.4 M	\$4.8 M	\$9.8 M
MRI \$ awarded	\$67.8 M	\$21.2 M	\$3.9 M	\$9.3 M
Success rate	27.3%	27.6%	32.4%	32.0%
Mean award	\$571 K	\$267 K	\$440 K	\$407 K
Median award	\$465 K	\$211 K	\$474 K	\$309 K



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# MRI-FY08<sup>1</sup>

Major Research Instrumentation – FY08

### 2008 Award Snapshot – EPSCoR

**Number of Proposals Reviewed: 181** 

**Dollars Requested:** \$116.5 M

**Number of EPSCoR-eligible Awards: 50** 

Amount Awarded to EPSCoR-eligible Awards: \$20.2 M

**EPSCoR Amount Awarded to MRI Awards: \$2.0 M** 

**EPSCoR-eligible Success Rate:** 27.6%

Eligible proposals co-funded by EPSCoR: 17

Mean award: \$404,000

**Median award:** \$295,000



<sup>1</sup>Last MRI competition not affected by one-time funding from the American Recovery and Reinvestment Act

# Thank You!

