

National Science Foundation

Office of Integrative Activities

(with special focus on the MRI and STC programs)

Salt Lake City, Utah

Regional Grants Conference

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<http://www.nsf.gov/od/oia/>

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OFFICE OF INTEGRATIVE ACTIVITIES

OIA

"The Office of Integrative Activities has a key role in working across organizational boundaries as well as providing policy support to the Director's Office. Developing effective ways to transcend traditional boundaries, and bring very different scientific cultures together for the benefit of science and society, without compromising excellence, is a critically important challenge for the Foundation."

- NSF Director Arden Bement (December, 2007)



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Activities

American Association for the Advancement of Science (AAAS) Fellows

- Providing opportunities for learning, and input on issues relating to NSF's mission to support fundamental science and engineering research and education.



Summer Scholars Internship Program

- Developing undergraduate and graduate student potential through exposure to science and engineering policy, issues and programs.

www.nsf.gov/od/oia/activities/interns/about_ext_only.jsp

Committee on Equal Opportunities in Science and Engineering (CEOSE)

- Encouraging full participation of women, underrepresented minorities, and persons with disabilities in scientific, engineering, and professional fields.

www.nsf.gov/od/oia/activities/ceose/

Committee of Visitors (COV)

- Advising the Foundation to ensure improvement of NSF performance, and openness to the research and education community.

www.nsf.gov/od/oia/activities/cov/



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Activities

National Medal of Science

- For individuals "deserving of special recognition by reason of their outstanding contributions to knowledge in the physical, biological, mathematical, or engineering sciences."

www.nsf.gov/od/nms/medal.jsp



Waterman Award

- Recognizing outstanding young researchers in any field of science or engineering supported by the NSF.

www.nsf.gov/od/waterman/waterman.jsp

Presidential Early Career Awards for Scientists and Engineers (PECASE)

- Providing the highest honor bestowed by the United States Government for early career scientists and engineers

www.nsf.gov/od/oia/activities/pecase/

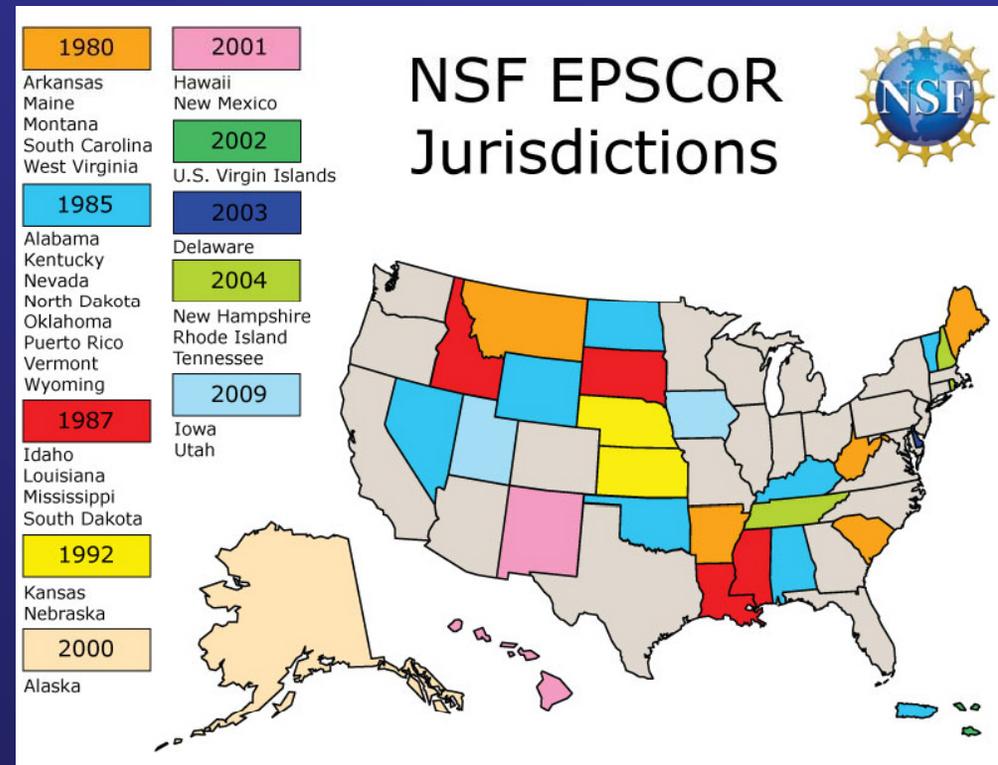


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Programs

Experimental Program to Stimulate Competitive Research (EPSCoR)

- Strengthening research and education in science and engineering throughout the United States and avoiding undue concentration of such research and education;
- Catalyzing key research themes and related activities within and among EPSCoR jurisdictions;
- Facilitating effective jurisdictional and regional collaborations among academic, government and private sector stakeholders;
- Broadening participation in science and engineering by institutions, organizations and people within and among EPSCoR jurisdictions.



<http://www.nsf.gov/od/oia/programs/epscor/about.jsp>

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Programs

Science and Technology Centers (STC)

- Supporting research and education of the highest quality;
- Exploiting opportunities in science, engineering and technology where the complexity of the research requires the advantages of scope, scale, change, duration, equipment and facilities that a Center can provide;
- Supporting innovative frontier investigations at the interfaces of disciplines, and/or fresh approaches within disciplines;
- Engaging the Nation's intellectual talent, robustly drawn from its full human diversity, in the conduct of research and education activities;
- Promoting organizational connections and linkages within and between campuses, schools and/or the world beyond (state, local, federal agencies, national labs, industry, international collaborations);
- Focusing on integrative learning and discovery and the preparation of U.S. students for a broad set of career paths; and
- Fostering science and engineering in service to society especially with respect to new research areas, promising new instrumentation and potential new technologies.

The most recent [Science and Technology Centers: Integrative Partnerships](#) deadline was October 14, 2008.



New competitions are typically held every 2-3 years at the Director's discretion—one may be announced soon

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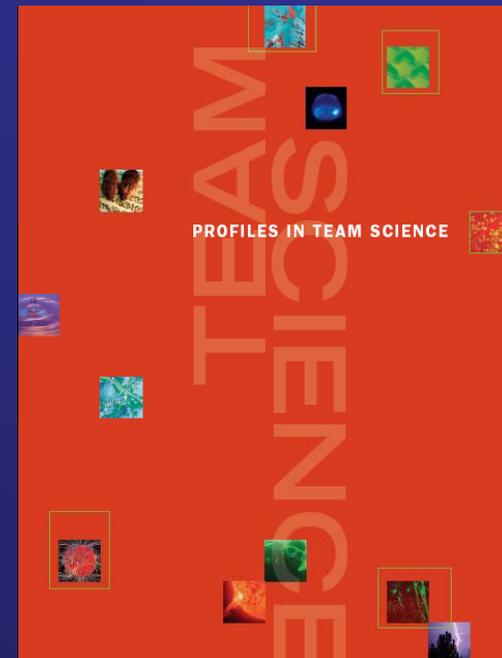
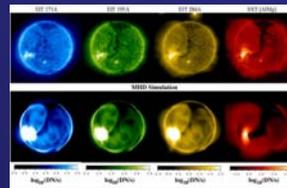
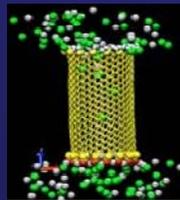
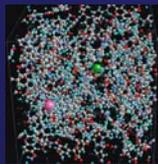
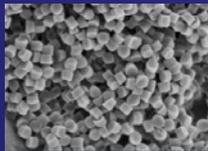
Programs

Science and Technology Centers (STC)

- In 2010 there are 17 active Science and Technology Centers
 - The Class of 2000 (5 Centers) recently “graduated”
 - The Class of 2010 (5 Centers) begins this fall

http://www.nsf.gov/news/news_summ.jsp?cntn_id=116378&org=NSF&from=news

- 2000-2006 Profiles in Team Science: <http://depts.washington.edu/teamsci/welcome.html>



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Programs

Science and Technology Centers (STC) : Class of 2010

http://www.nsf.gov/news/news_summ.jsp?cntn_id=116378&org=NSF&from=news

- Center for Dark Energy Biosphere Investigations (C-DEBI) – Lead: University of Southern California
- BEACON: An NSF Center for the Study of Evolution in Action – Lead: Michigan State University
- Emergent Behaviors of Integrated Cellular Systems – Lead: Massachusetts Institute of Technology
- Emerging Frontiers of Science of Information – Lead: Purdue University
- Center for Energy Efficient Electronics Science (E3S) – University of California Berkeley



For more information, contact: **Joan M. Frye (jfrye@nsf.gov)**

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The Major Research Instrumentation (MRI) Program¹

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

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



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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 multi-organization 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



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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



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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.



Please see the solicitation for additional eligibility requirements

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MRI: Cost Sharing

- Required at the level of 30% of the ***total project cost*** for Ph.D.-granting institutions of higher education and for non-degree-granting organizations.
- Non-Ph.D.-granting institutions of higher education are exempt.
- Is an eligibility requirement, not part of the review process.
- Must come from eligible MRI expenses.
- Applies to portions of the budget that go to non-exempt organizations, including through subawards.
- Must appear on the budget page (FastLane: Line M, Grants.gov: Total non-Federal funds) of the submitting organization and documented in supplementary letter.



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MRI Program Solicitation

NEW ONE COMING OUT



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Thank You!



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