

Newsletter Office of Sponsored Programs (OSP)

July 2007

MSC – Office B-622

(787) 758-2380

Information disseminated by the Division of Sponsored Programs Development (DSPD), Ext. 1749.

FUNDING OPPORTUNITIES

Program: Instrument Development for Biological
Research (IDBR)

Agency: National Science Foundation

Next Deadline: Sep 12, 2007 (target date)
Supports development of substantially improved instrumentation likely to have significant impact on study of biological systems at any level. Development of new, or improvement of existing, software for operation of instruments, analysis of data, or analysis of images also supported where these have the effect of improving instrument performance. Proposals aimed at concept or proof-of-concept development for entirely novel instrumentation encouraged. See

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=9187&org=NSF&sel_org=NSF&from=fund

for details. E-mail: dbiuid@nsf.gov
CFDA Number:47.074

Contact: Helen Hansma, Program Director
Division of Biological Infrastructure
4201 Wilson Boulevard
Arlington, VA 22230
703/292-8470

Program: Undergraduate Research and Mentoring in the Biological Sciences
(URM)

Agency: National Science Foundation

Next Deadline: Sep 18, 2007
Supports projects that provide year-round support for undergraduate students to gain research experience in biology research. Field experience must be part of the research experience. Projects should encourage members of under-represented groups to enter and remain in biological science research. Deadline refers to required preliminary proposals. Invited full proposals due 3/4/08. See

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=500036&org=BIO&from=home

for details. E-mail: biourm@nsf.gov
CFDA Number:47.074

Contact: Program Director

Division of Biological Infrastructure
4201 Wilson Boulevard
Arlington, VA 22230
703/292-8470

Program: Microbial Observatories (MO) & Microbial
Interactions & Processes (MIP)

Agency: National Science Foundation

Next Deadline: Oct 08, 2007 (target date)

In partnership with USDA/CSREES, supports research to discover and characterize novel microorganisms, microbial consortia, communities, activities, and other novel properties, and to study their roles in diverse environments. Long-term goal of MO is to develop a network of microbial observatories in different habitats to study microbial diversity over time and across environmental gradients. MIP supports smaller and/or shorter microbial diversity projects that need not be site-based. See

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6166&org=MCB&from=home

for details. E-mail: mkane@nsf.gov
CFDA Number:47.074

Contact: Matthew Kane, Program Director
Molecular and Cellular Biosciences (MCB)
4201 Wilson Boulevard
Arlington, VA 22230
703/292-7186

Program: CreativeIT

Agency: National Science Foundation

Next Deadline: Sep 21, 2007

Supports research that focuses on creativity to produce simultaneous advances in computer science & creative cognition, creativity support tools, engineering design or science. Projects should explore the synergies of cross-disciplinary research in creativity & computer science & information technology. Optional letters of intent due by 7/23/07. See

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501096&org=NSF&sel_org=NSF&from=fund

for details. E-mail: mmaher@nsf.gov
CFDA Number:

Contact: Mary Lou Maher, Program Director
Information and Intelligent Systems
4201 Wilson Boulevard
Arlington, VA 22230
703/292-7242

Program: Alliances for Broadening Participation in
STEM (ABP)

Agency: National Science Foundation

Next Deadline: Oct 12, 2007

Louis Stokes Alliances for Minority Participation (required letters of intent due 6/25, full proposals due 10/12/07), Educational Research Projects (10/12/07 deadline), and Alliances for Graduate Education & the Professoriate (8/23/07 deadline) seek to increase the number of students successfully completing quality degree programs in STEM fields. Particular emphasis is placed on supporting groups that historically have been underrepresented in STEM. See

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13646&org=NSF&sel_org=NSF&from=fund

for details. E-mail: ryjohnso@nsf.gov
CFDA Number:47.076

Contact: Roosevelt Johnson, Program Director
Human Resource Development Division
4201 Wilson Boulevard
Arlington, VA 22230
703/292-4669

Program: Advanced Technological Education (ATE)

Agency: National Science Foundation

Next Deadline: Oct 11, 2007

With emphasis on two-year colleges, involves partnerships to promote improvement in education of technicians for high-tech fields. Supports curriculum and professional development; career pathways from secondary schools to two-year colleges & from two-year colleges to four-year institutions; & applied research relating to technician education. Preliminary proposals were strongly recommended by 4/26/07 (4/24 for FY 08). Full proposals due 10/11/07. See

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5464&org=NSF&from=fund

for details. E-mail: gsalinge@nsf.gov
CFDA Number:47.076

Contact: Gerhard Salinger, Program Director
Division of Undergraduate Education
4201 Wilson Boulevard, Room 835N
Arlington, VA 22230
703/292-5116

Program: Research Experiences for Undergraduates (REU)

Agency: National Science Foundation

Next Deadline: Sep 13, 2007 (tentative)

Supports active research participation by undergraduate students in any research area funded by NSF. Two types of grants: 1) REU Sites support independent projects to initiate and conduct research projects involving a number of

undergraduates (tentative deadline for general site proposals is 9/13/07; Antarctic Program sites deadline is 6/6/08); 2) REU Supplements support the addition of undergraduates to ongoing, new, or renewal NSF-funded projects (deadlines vary according to discipline). See http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5517&org=DUE for details. E-mail: reu.coord@nsf.gov.
CFDA Number:47.074

Contact: Corby Hovis, REU Coordinator
Education and Human Resources Directorate
4201 Wilson Boulevard, Room 835-N
Arlington, VA 22230
703/292-4625

Program: Science, Technology, Engineering, & Math
Talent Expansion Program (STEP)

Agency: National Science Foundation

Next Deadline: Sep 18, 2007
Supports projects to increase the number of student receiving associate or baccalaureate degrees in established or emerging fields within science, technology, engineering, & mathematics (STEM). Type 1 grants are for implementation efforts at academic institutions. Type 2 grants support educational research projects on associate or baccalaureate degree attainment in STEM. Optional letters of intent due 8/7/07. See

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5488&org=NSF&sel_org=NSF&from=fund
for details. E-mail: shixson@nsf.gov
CFDA Number:47.076

Contact: Susan Hixson, Lead Program Director
Division of Undergraduate Education
4201 Wilson Boulevard
Arlington, VA 22230
703/292-4623

Program: Physics Frontiers Centers

Agency: National Science Foundation

Next Deadline: Aug 29, 2007
Supports university-based centers where the collective efforts of a larger group of individuals can enable transformational advances in the most promising research areas. Centers foster major breakthroughs at the intellectual frontiers of physics by providing resources such as combinations of talents, skills, disciplines, and/or specialized infrastructure not usually available to individual investigators or small groups. Deadline refers to required preliminary proposals. Invited full proposals due by 1/30/08. See

[http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5305&org=NSF&sel_org=NSF
&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5305&org=NSF&sel_org=NSF&from=fund)

for details. E-mail: dcaldwel@nsf.gov
CFDA Number:

Contact: C.D. Caldwell, Program Director/Acting
Executive Officer
Division of Physics
4201 Wilson Boulevard
Arlington, VA 22230
703/292-7271

Program: Astronomy and Astrophysics Postdoctoral
Fellowships (AAPF)

Agency: National Science Foundation

Next Deadline: Oct 10, 2007

Provides opportunity for ten investigators within 3 years of obtaining the PhD to carry out an integrated program of independent research & education. Fellows may engage in research of observational, instrumental, or theoretical nature, in combination with a coherent educational plan for the duration of the fellowship. Support is for up to 3 years with fellowships that can be taken to the institution or national facility of the fellow's choice. See

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5291&org=NSF&from=fund

for details. E-mail: dlehr@nsf.gov
CFDA Number:47.049

Contact: Dana Lehr, Associate Program Director
Division of Astronomical Sciences
4201 Wilson Boulevard
Arlington, VA 22230
703/292-7456

Program: DMS Programs: Mathematical Sciences

Agency: National Science Foundation

Next Deadline: Oct 02, 2007

Supports research on properties & applications of mathematical structures. Deadlines are as follows: 10/2/07 for Algebra, Number Theory, and Combinatorics; and Analysis; 11/6/07 for Topology; 11/1/07-11/15/07 for Applied Mathematics; 10/23-11/7/07 for Probability and Statistics; 12/6/07 for Computational Mathematics; and 12/18/07-1/13/08 for Mathematical Biology. Conferences/Workshops/Special Years proposals accepted any time. See

<http://www.nsf.gov/div/index.jsp?div=DMS> for details. E-mail: wrundell@nsf.gov
CFDA Number:47.049

Contact: William Rundell, Division Director
Division of Mathematical Sciences
4201 Wilson Boulevard
Arlington, VA 22230
703/292-4850

Program: Mathematical Sciences Postdoctoral
Research Fellowships (MSPRF)

Agency: National Science Foundation

Next Deadline: Oct 17, 2007

Supports postdoctoral research in mathematics & statistics. Fellows must have received a doctorate no more than 2 years prior to January 1 of the award date, & may not have received any other NSF postdoctoral fellowship. Stipends total \$108,000 for 24 months of research (over up to 3 years), plus \$4,500 for research-related costs. Fellows may do full-time research under Research Fellowship Option, or part-time research under Research Instructorship Option. See

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5301&org=NSF&from=fund

for details. E-mail: ldouglas@nsf.gov
CFDA Number:47.049

Contact: Lloyd Douglas, Program Director
Mathematical Sciences Division
4201 Wilson Boulevard
Arlington, VA 22230
703/292-4862

Program: Division of Physics Programs

Agency: National Science Foundation

Next Deadline: Oct 24, 2007 (target date)

Supports experimental research in major subfields of physics. Programs accepting proposals under 9/26/07 target date are: Atomic, Molecular, Optical, and Plasma Physics; Elementary Particle Physics; Gravitational Physics and LIGO; Nuclear Physics; Particle and Nuclear Astrophysics; Education and Interdisciplinary Research; and Theoretical Physics. Other programs are: Biological Physics (7/31/07 target date); Physics at the Information Frontier (10/24/07 target date); and NSF/DOE Partnership in Basic Plasma Science and Engineering (12/12/07 target date). See

<http://www.nsf.gov/mps/phy/about.jsp> for details.

E-mail: jdehmer@nsf.gov

CFDA Number:47.049

Contact: Joseph Dehmer, PHY Division Director
Division of Physics
4201 Wilson Boulevard
Arlington, VA 22230
703/292-8719

Program: Strategic Technologies for
Cyberinfrastructure (STCI)

Agency: National Science Foundation

Next Deadline: Aug 09, 2007 (target date)

Supports work leading to the development and/or demonstration of innovative cyberinfrastructure services for science and engineering research and education that fill gaps left by more targeted funding opportunities. Highly innovative cyberinfrastructure education, outreach, and training proposals that lie outside the scope of targeted solicitations are also supported. See

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=500066&org=NSF&sel_org=NSF&from=fund

for details. E-mail: apatra@nsf.gov
CFDA Number:

Contact: Abani Patra, Program Director
Office of Cyberinfrastructure
4201 Wilson Boulevard
Arlington, VA 22230
703/292-8970

Program: International Research Fellowship Program
(IRFP)

Agency: National Science Foundation

Next Deadline: Sep 11, 2007 (target date)
Supports fellowships to introduce scientists and engineers in the early stages of their careers to international collaborative research opportunities to further their research capacity and global perspective and forge long-term relationships with scientists, technologists, and engineers abroad. Awards are available in any field of science and engineering research and education supported by NSF. See

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5179&org=NSF&sel_org=NSF&from=fund

for details. E-mail: sparris@nsf.gov
CFDA Number:

Contact: Susan Parris, Program Director
International Science & Engineering
4201 Wilson Boulevard
Arlington, VA 22230
703/292-8711

Program: Archaeology and Archaeometry Program

Agency: National Science Foundation

Next Deadline: Oct 31, 2007 (target date)
Supports three types of anthropologically-relevant archaeological research: Senior (target dates 12/11/07 and 7/1/08), Doctoral Dissertation (applications accepted any time), and High Risk Exploratory (applications accepted any time). Also funds archaeometric research (10/31/07) & assists in gaining access to systematic collections in all anthropological subfields. See

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11690
for details. E-mail: jyellen@nsf.gov

CFDA Number:47.051

Contact: John Yellen, Program Director
Behavioral & Cognitive Sciences (BCS)
4201 Wilson Boulevard, Room 995
Arlington, VA 22230
703/292-8759

Program: Geography and Regional Science Program

Agency: National Science Foundation

Next Deadline: Oct 15, 2007 (target date)
Supports research on geographic distributions & interactions of human, physical, & biotic systems on Earth's surface. Investigations on nature, causes, & consequences of human activity & natural environmental processes across a range of scales are encouraged. Projects must enhance geographical knowledge, concepts, theories, methods, & their application to societal problems & concerns. Research proposal target dates are 1/15 & 8/15. Dissertation Improvement proposals due 2/15 & 10/15 annually. See http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5410 for details. E-mail: TBaerwal@nsf.gov
CFDA Number:47.051

Contact: Thomas Baerwald, Program Director
Behavioral & Cognitive Sciences (BCS)
4201 Wilson Boulevard
Arlington, VA 22230
703/292-7301

Program: Sociology Program

Agency: National Science Foundation

Next Deadline: Oct 15, 2007 (target date)
Supports basic research on human social organization & processes of individual & institutional change. Encourages theoretically-focused empirical investigations to improve explanation of fundamental social processes. Includes research on organizations/organizational behavior, population dynamics, social movements, social groups, labor force participation, stratification & mobility, family, social networks, socialization, gender roles. Regular Research due 8/15 & 1/15; Dissertation Research due 10/15 & 2/15. See http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5369 for details. E-mail: pwhite@nsf.gov
CFDA Number:47.051

Contact: Patricia White, Program Director
Social & Economic Sciences (SES)
4201 Wilson Boulevard, Suite 995
Arlington, VA 22230
703/292-8762

Program: Cottrell Scholar, Cottrell College Science
& Research Opportunity Awards

Agency: Research Corporation

Next Deadline: Oct 01, 2007

Supports tenure-track asst professors in PhD-granting dept of astronomy, chemistry, & physics. Cottrell Scholar Awards (ddl 9/3) provide \$100,000 to faculty for research & related teaching. Research Opportunity Awards (ddl first working day of May and October) offer \$50,000 to tenured faculty without major research funding who have been nominated by dept chairs. Cottrell College Science awards give \$25-\$45K for PIs in science depts. that do not offer doctoral degrees (ddl 11/15 or 5/15). Initial inquiries can be made by speaking to a program officer or by sending an LOI. See <http://www.rescorp.org/grants.php> E-mail: jrp@rescorp.org
CFDA Number:N/A

Contact: Jack R. Pladziewicz, Program Officer
Science Advancement Programs
4703 E. Camp Lowell Drive, Suite 201
Tuscon, AZ 85712
520/571-1111

Program: Grants-in-Aid Student Research Program

Agency: Sigma Xi, The Scientific Research Society

Next Deadline: Oct 15, 2007

Supports full-time graduate & undergraduate students in conducting scientific research in any field of science, technology & engineering. May also be awarded to PH.D professionals. Individual awards can be for \$1,000-\$5,000. Membership in Sigma Xi is not required. Annual deadlines are 3/15 & 10/15. See <http://www.sigmaxi.org/programs/giar/index.shtml> for more details. E-mail: giar@sigmaxi.org
CFDA Number:N/A

Contact: Kevin Bowen, Grants Coordinator
99 Alexander Dr.
P.O. Box 13975
Resrch Triangle Park, NC 27709
800/243-6534

Program: U.S.- Egypt Science & Technology: Junior Scientists/Collaborative Grants

Agency: U.S. Agency for International Development

Next Deadline: Oct 29, 2007

Provides grants (up to \$15K; ddl 10/11/05) for

development visits by U.S. Junior Scientists to Egypt; & Junior Egyptian Scientists to U.S. Applicants have received their PhD within the past 10 yrs or for U.S. applicants may also be currently enrolled in a PhD program or have received a Master's degree. Collaborative grants (up to \$60K) support projects that help U.S. & Egypt utilize science & apply technology by providing opportunities to exchange ideas & collaborate on endeavors of mutual benefit. See <http://egypt.usembassy.gov/usegypt.htm> for details. E-mail: bljones@usaid.gov.
CFDA Number:N/A

Contact: Barbara Jones, American Program
Administrator
USAID Building
Ahmed Kamel St. off Laselki St.
New Maadi, Cairo,

Program: USDA Small Business Innovation Research
(SBIR) Program

Agency: U.S. Department of Agriculture

Next Deadline: Sep 05, 2007
Supports small business projects (university involvement encouraged as consultants) for advanced concepts related to scientific problems in agriculture leading to significant public benefit if research is successful. Deadlines refer to Phase I applications for short-term feasibility & pilot studies: \$80,000 for 8 months. Topics include: Forests/Related Resources, Plant/Animal Production & Protection, Air, Water & Soils, Food Science/Nutrition, Rural & Comm. Devel, Aquaculture, Industrial App, Wildlife, Animal Waste Mgmt. See http://www.csrees.usda.gov/funding/rfas/sbir_rfa.html
E-mail: ccleland@reeusda.gov
CFDA Number:10.2112

Contact: Charles Cleland, Division Director, Small
Business Innovation Research
Cooperative State Research Service
Aerospace Center, Room 320
Washington, DC 20250-2243
202/401-4002

Program: Climate Programs

Agency: U.S. Department of Commerce

Next Deadline: Sep 24, 2007
Supports various programs that research global carbon cycle, with a focus on quantifying spatial patterns & variability of carbon sources & sinks at global to regional scales; documenting fate of anthropogenic CO₂ in the atmosphere & oceans; & improving future climate predictions by

incorporating a dynamical understanding of the carbon cycle into models. LOI strongly recommended (ddl 7/23/07). See <http://www.climate.noaa.gov> for details. E-mail: diane.brown@noaa.gov
CFDA Number:11.431

Contact: Diane Brown, Grants Manager
NOAA Climate Program Office
1315 East West Highway
Silver Spring, MD 20910
301/734-1206

Program: Spherical Display System for Earth System Science

Agency: U.S. Department of Commerce

Next Deadline: Oct 30, 2007
Applications accepted from institutions with interest in increasing environmental literacy among the general public through increased use of NOAA or NOAA-related data & data products in informal education institutions. Goals include projects to inspire youth to pursue scientific careers, & to improve public's understanding of the natural environment & response to natural hazards. See http://www.oesd.noaa.gov/funding_opps.html for details. E-mail: carrie.mcdougall@noaa.gov.
CFDA Number:11.469

Contact: Carrie McDougall,
NOAA
Office of Education
Washington, DC 20230
202/482-0875

Program: Collaborative Science, Technology, & Applied Research (CSTAR)

Agency: U.S. Department of Commerce

Next Deadline: Oct 19, 2007
Supports collaborative research between operational forecasters & academic institutions which have expertise in the environmental sciences. These activities will engage researchers & students in applied research of interest to the operational meteorological community & improve the accuracy of forecasts & warnings of environmental hazards by applying scientific knowledge & info to NWS products & services. Email: samuel.contorno@noaa.gov. See <http://www.grants.gov/search/search.do?oppId=14654&mode=VIEW> or <http://www.nws.noaa.gov/>
CFDA Number:11.468

Contact: Sam Contorno, Program Officer
NOAA/National Weather Service
1325 East-West Highway, Rm. 15330
Silver Spring, MD 20910
301/713-3557 x150

Program: Mathematical Sciences Program

Agency: U.S. Department of Defense

Next Deadline: Oct 15, 2007

Program funds high quality, self-directed mathematical research in the areas of Algebra, Number Theory, Discrete Mathematics, Probability, & Statistics. Program offers a Mathematical Sabbatical Program & four types of grants: Young Investigators Grant, the Standard Grant, the Senior Investigators Grant, & the Conferences, Workshops, & Special Situations Grant. Current policy is not to support research in cryptology. Proposal submission deadline is 10/15 annually. See <http://www.nsa.gov/msp/index.cfm> E-mail: mdwagn4@nsa.gov
CFDA Number:N/A

Contact: Michelle D. Wagner, Director, NSA
Mathematical Sciences Program
National Security Agency
ATTN: R1, Suite 6557
Fort Meade, MD 20755-6000
301/688-0400

Program: Science Undergraduate Laboratory Internships (SULI)

Agency: U.S. Department of Energy

Next Deadline: Oct 12, 2007 (target date)
Supports undergraduate training & research internships at 14 DOE labs. Students work with scientists or engineers on projects related to labs' research programs. Different labs each offer different research opportunities. Appointments are for 10 weeks in the summer 2008 term (2/1/08 deadline), 16 weeks in the spring 2007 (10/12/07) & fall 2007 (7/2/07) terms. Stipend provides \$400/week. Target dates refer to the first day DOE begins reviewing applications; applications submitted after that date may not be considered.
See <http://www.scied.science.doe.gov/scied/erulf/about.html>
E-mail: sc.helpwithapplication@science.doe.gov
CFDA Number:N/A

Contact:
1000 Independence Avenue, SW
SC-1
Washington, DC 20585
202/586-9742

Program: HSARPA Small Business Innovation Research Program (SBIR)

Agency: U.S. Department of Homeland Security

Next Deadline: Aug 13, 2007

Program seeks to stimulate technological innovation while strengthening the role of small business in meeting R&D needs of the Department of Homeland Security. Solicitation includes 10 topic descriptions that address research needs throughout both the Science & Technology Directorate & the Domestic Nuclear Detection Office in the following areas: chemical; biological; radiological; nuclear; explosives; command, control & interoperability; human factors; infrastructure protection/geophysical; & borders & maritime security. Deadline refers to Phase I. See <https://www.sbir.dhs.gov> for details. E-mail: elissa.sobolewski@dhs.gov
CFDA Number:

Contact: Lisa Sobolewski, HSARPA SBIR Program
Manager
(electronic submission)
Washington, DC 20528
202/254-6768

Program: Science To Achieve Results Research Grants
(STAR)

Agency: U.S. Environmental Protection Agency

Next Deadline: Aug 22, 2007
Supports environmental research by academic & non-profits, state & local govt. About 25 solicitations announced annually. Open programs currently: Nanotechnology Research Grants Investigating Fate, Transport, Transformation, and Exposure of Engineered Nanomaterials (8/22/07); Innovative Approaches to Particulate Matter Health, Composition, and Source Questions (9/11/07); Interpretation of Biomarkers Using Physiologically Based Pharmacokinetic Modeling (9/18/07) & Development of Environmental Health Outcome Indicators (9/19/07) See <http://es.epa.gov/ncer/rfa/> for details & upcoming competitions.
CFDA Number:66.509

Contact: Stephanie Willett, Technical Administrator
National Center Environmental Research
1200 Penn. Ave., NW
Washington, DC 20460
202/343-9737