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Links To Environment and Conservation Funders
The William Bingham Foundation
http://www.wbinghamfoundation.org/

Cargill Corporation Community Investment
http://www.cargill.com/about/citizenship/giving.htm
ConAgra Foods Foundation
http://www.conagrafoods.com/company/corporate_responsibility/foundation/index.jsp
Fields Pond Foundation
http://fieldspond.org/welcome.html
Foundation for Deep Ecology
http://www.deepecology.org/
New England Biolabs Foundation
http://www.nebf.org/
The Acorn Foundation
http://www.commoncounsel.org/pages/foundation.html
The American Floral Endowment
http://www.endowment.org/
The Home Depot Foundation
http://www.homedepotfoundation.org/
The Lindbergh Foundation
http://www.lindberghfoundation.org/
The Magnolia Trust
http://www.wt.org/
The Prospect Hill Trust
http://foundationcenter.org/grantmaker/prospecthill/
The Turnier Foundation
http://www.turnerfoundation.org/
The Whitley Fund for Nature
http://www.whitley-award.org/
The William and Flora Hewlett Foundation
http://www.hewlett.org/Default.htm
American Orchid Society
Fellowships
Conservation and Research Committees
16700 AOS Lane
Delray Beach, FL  33446-4351
Phone: (561)404-2000 or -2050  Fax: (561)404-2045 or -2100
E-mail: pgiust@aos.org or theAOS@aos.org
Web Site: http://www.aos.org/
E-Forms: http://www.aos.org/aos/research/page07.aspx
DEADLINES ANNOUNCED:  02/01/2007

The American Orchid Society solicits applications from graduate students working on orchid-related thesis projects for The Furniss Foundation/American Orchid Society Fellowship. The purpose is to encourage doctoral candidates in their pursuit of fundamental and applied research on orchids; to attract future generations of scientists to orchidology; to address critical research needs in the biology of orchids. Fellows spend up to three years working on orchid-related dissertations projects that lead to the Ph D degree from accredited institutions.
SUPPORT PROVIDED: The fixed sum of $9,000 per year will be awarded for a maximum of three years to an institution on behalf of any given individual.
APPLICANT INFORMATION: The candidate's dissertation project must deal with any aspect of orchid biology in the disciplines of physiology, molecular biology, structure, systematics, cytology, ecology, and/or evolution. This Fellowship is limited to three consecutive years, during which the AOS Fellow will be expected to submit semi-annual progress reports. First refusal rights for all publications arising from work funded by the American Orchid Society will be granted to the American Orchid Society.
APPLICATION INFORMATION: To learn specifics related to the next deadline for submission of Fellowship applications, and for all AOS grant-related inquiries and applications, contact (561)404-2050 or fax (561)404-2100 or email pgiust@aos.org.

American Orchid Society
Masters Scholarships
Conservation and Research Committees
16700 AOS Lane
Delray Beach, FL  33446-4351
Phone: (561)404-2000  Fax: (561)404-2045
E-mail: theaos@aos.org
Web Site: http://www.aos.org/
DEADLINES ANNOUNCED: 02/01/2007

American Orchid Society Masters Scholarship recipients spend two years working on thesis projects related to orchid education, applied orchid science or other aspects of orchid-related science that lead to a Master's degree from accredited institutions. The purpose is to encourage Masters candidates to pursue orchid education, applied and fundamental research in orchids; to attract future generations of educators and scientists to orchidology; to address critical needs in orchid education.
SUPPORT PROVIDED: The fixed sum of $5,000 per year will be awarded for a maximum of two years to an institution on behalf of any given individual.
APPLICANT INFORMATION: The candidate's thesis project must deal with any aspect of orchid education, applied science or orchid biology in the disciplines of physiology, molecular biology,
structure, systematics, cytology, ecology or evolution. This scholarship is limited to two consecutive years, during which the recipient will be expected to submit semiannual progress reports, due January 1 and July 1 of each year. First refusal rights for all publications arising from work funded by the American Orchid Society will be granted to the American Orchid Society.

APPLICATION INFORMATION: Candidates should submit a current curriculum vitae, transcripts of all college coursework, synopsis of the proposed project or research, a brief one-page statement of the value of their project and importance to the future of orchid education or orchidology, and a letter of recommendation from their chairperson to Pamela Giust at the American Orchid Society (see address and contact information above). Women, minorities, and persons with disabilities are especially encouraged to apply. To learn specifics related to the next deadline for submission of Fellowship applications, and for all AOS grant-related inquiries and applications, contact 561-404-2050 or fax 561-404-2100 or email pgust@aos.org. PLEASE NOTE: The next anticipated deadline is in February 2007.

American Orchid Society

Research Grants

Conservation and Research Committees
16700 AOS Lane
Delray Beach, FL  33446-4351
Phone: (561)404-2000  Fax: (561)404-2045
E-mail: theaos@aos.org
Web Site: http://www.aos.org/
E-Forms: http://www.aos.org/aos/research/page04.aspx

DEADLINES ANNOUNCED: 01/01/2007; 07/01/2007

The American Orchid Society periodically awards research grants for non-commercial conservation projects, as well as experimental projects and fundamental and applied research on orchids. More than $1 million has been awarded since this program was established in the 1950s. The AOS's goals in this regard are to advance the conservation and preservation of orchids in every aspect, and/or advance the scientific study of orchids in every respect, including classification, evolution, propagation, culture, care and development.

SUPPORT PROVIDED: Grants vary in amount, depending upon the needs and nature of the project and the potential for securing additional funds from other sources. At present, grants range from $500 to $12,000. The duration of each grant depends upon the particular project. Funds for multi-year grants are paid in annual installments. The maximum duration of support awarded at any one time is three years.

APPLICANT INFORMATION: Qualified personnel associated with accredited institutions or appropriate institutes or organizations may apply for grants. Support is not restricted to individuals or institutions within the United States. The salary of established scientists is not supported. Qualified graduate students with appropriate interests may apply for grants in support of their research. If justified, their salary may be supported. In general, travel to collect orchids is not supported. Other types of travel may be supported on a case-by-case basis. Projects that involve commercial sales of plant are generally not supported.

APPLICATION INFORMATION: Submissions are screened by a task force made up of members of the AOS's Conservation Committee and Research Committee, and thereafter directed to the appropriate committee for full review at their Spring and Fall meetings. Grants received by January 1 are reviewed at the Spring Members Meeting and those grants received by July 1 are reviewed at the Fall Members Meeting.
American Society for Enology and Viticulture
Scholarships

Scholarship Committee
P.O. Box 1855
Davis, CA  95617-1855
Phone: (530)753-3142  Fax: (530)753-3318
E-mail: society@asev.org
Web Site: http://www.asev.org/
E-Forms: http://asev.org/scholarship-program/
DEADLINES ANNOUNCED: 03/01/2007

The American Society for Enology and Viticulture annually awards numerous scholarships to students pursuing a degree in enology, viticulture, or in a curriculum emphasizing a science basic to the wine and grape industry. The awards are not in predetermined amounts and may vary from year to year.

APPLICANT INFORMATION: Previous applicants and recipients are eligible to reapply each year in open competition with new applicants. Enrollment must be in the major or accepted area in the college or university stated in their application. Undergraduate and graduate students must be enrolled in or accepted into a full-time, accredited four-year college or university program. They must reside in North America (including Canada and Mexico). Applicants should be a minimum of junior status for the upcoming academic year (45 semester units/60 quarter units). Undergraduate students must have a minimum overall grade point average of 3.0. Graduate students must have a minimum overall grade point average of 3.2. Applicants must be enrolled in a major, or in a graduate group, emphasizing enology or viticulture, or in a curriculum emphasizing a science basic to the wine and grape industry. The student's financial needs and income will be considered. Sufficient evidence should be furnished to the Scholarship Committee to enable valid evaluation. Formal recognition of the scholarship recipients is made at the American Society for Enology and Viticulture's Annual Meeting held each June. Students will receive quarter or semester stipends. All scholarship recommendations made by the Scholarship Committee are subject to final approval by the Board of Directors. The Society has no affiliation with the University of California or other institutions that may also offer scholarship programs. The ASEV reserves the right not to award scholarships at all in any given year.

APPLICATION INFORMATION: All completed forms, letters, and transcripts must be received by the Scholarship Committee by March 1 for consideration for an award for the following scholastic year. All information (application, transcripts, and letters of recommendation) must be received together. Do not have transcripts and letters sent separately. Incomplete application packets will not be considered.

The Botanical Society of America Grant Opportunities Newsletter is published on-line as a service to BSA members. Each issue contains opportunities for the next four succeeding months. Six bi-monthly editions are published annually for: January/February; March/April; May/June; July/August; September/October; November/December.

American Museum of Natural History
Grants Program
Collection Study Grants

Office of Grants and Fellowships
Central Park West at 79th Street
New York, NY  10024-5192
Collection Study Grants provide financial assistance to enable predoctoral and recent postdoctoral investigators to study any of the scientific collections at the American Museum. These collections are in anthropology, astrophysics, earth and planetary sciences, entomology, herpetology and ichthyology, invertebrates, mammalogy, ornithology, and vertebrate paleontology. The visit must be arranged through and approved by the appropriate scientific department of the Museum and is expected to be four days or longer in duration. Ordinarily, only one Collection Study Grant is awarded to an individual. They are not available to investigators residing within daily commuting distance of the American Museum. Applicants requiring larger grants for collection study may apply instead to one of the following Museum programs: Frank M. Chapman Memorial Fund Grants (IRIS record 1355); Lerner-Gray Grants for Marine Research (IRIS record 4841); or Theodore Roosevelt Memorial Grants (IRIS record 1588).

SUPPORT PROVIDED: The awards partially support travel and subsistence while visiting the American Museum of Natural History. The amount of award ranges from $500 to $1,500.

APPLICATION INFORMATION: Applicants for Collection Study Grants should first contact the appropriate Museum curator to discuss the feasibility of the proposed visit. Approval by the division chairman is required. The special application form for Collection Study Grants can be obtained in PDF format at the above E-Forms address. Applicants should submit a proposal on Collection Study Grant forms by the deadline date. Decisions will be made shortly after the deadline and applicants will be notified. The project description should include a brief statement of the purpose and scope of the research, its significance, collections to be studied, facilities needed, and professional staff members of the Museum you will consult. At the end of the visit, grantees are required to submit a one-page report to the Office of Grants and Fellowships, along with an accounting of expenses and original receipts.

Field Museum of Natural History
Visiting Scholarships, Graduate Student Fellowships, Undergraduate Internships

Contact: Chair, Scholarship Committee
Office of Academic Affairs
1400 South Lake Shore Drive
Chicago, IL  60605-2496
Phone: (312)665-7627  Fax: (312)665-7641
E-mail: ezeiger@fieldmuseum.org
Web Site: http://www.fieldmuseum.org/research_collections/scholarships/default.htm
DEADLINE: See Below

The Field Museum houses some of the world's finest collections in anthropology, botany, geology, and zoology. The Field Museum recognizes the need to support basic research in its collections by interested students and scholars throughout the world.

Visiting Scholarships - Deadline May 1 and November 1 each year.
Providing opportunities for scientists who wish to use the Field Museum's collections, funds are earmarked for travel and for subsistence while visitors are conducting their research. Applications are considered twice a year (see Application Deadlines and Forms). Young professionals and graduate students can be funded for periods of a few days to several weeks from the Thomas J. Dee, the Karl P. Schmidt, the Women's Board Women In Science, and the Visiting Scholar funds. Owing to the limited
availability of these funds, stipends are typically less than $1000 per scholar. Extended-term visits by distinguished national and international scientists can be funded for periods of several weeks up to one year through the Robert O. Bass Visiting Scientist Fund. These stipends are negotiable.

Graduate Student Fellowships and Undergraduate Internship – Deadline February 1 each year.
A limited number of Field Museum fellowships are available for graduate students engaged in dissertation research associated with the Museum. These fellowships provide stipend and limited tuition support. Candidates will be expected to have formal involvement with the Museum, by having a curator serve on the student’s academic committee, and by relying heavily upon the collections and facilities of the Museum. Students must be in residence in the Chicago area and are expected to spend a significant portion of their research time at the Museum. The period of appointment is one year and starts on September 1st.

Herb Society of America
Research Grant Program

9019 Kirtland Chardon Road
Kirtland, OH 44094
Phone: (440)256-0514 Fax: (440)256-0541
E-mail: herbs@herbsociety.org
Web Site: http://www.herbsociety.org/
E-Forms: http://www.herbsociety.org/research.htm
DEADLINES ANNOUNCED: 01/31/2007

The Herb Society of America's mission is to promote the knowledge, use and delight of herbs through educational programs, research, and sharing the experience of its members with the community. The Herb Society of America, Inc. (HSA) offers annual research grants to students, professionals, and individuals engaged in research on the horticultural, scientific, and/or social applications or use of herbs throughout history. The HSA Research Grant is intended to support small, self-contained research projects that can be carried out in a short period of time. Allowable costs include: compensation for investigators; professional and technical assistance; research supplies and materials; costs of computer time.

SUPPORT PROVIDED: The grant is for a one-year period of work. The maximum amount available is $5,000. The amount may be divided among projects, at the discretion of the Research Grants Committee. One-half of the grant is paid at the outset of research.

APPLICATION INFORMATION: Applications and proposals must be postmarked on or before January 31 to be considered for the current year. The original and 6 copies must be submitted, and are available online. Applications should include the following: application form; professional vita, listing qualifications for this project, academic degrees and honors (not to exceed two pages); methodology: an explanation of how you plan to complete the project, where the work will be done, what facilities and equipment are available (not to exceed 500 words); budget: a detailed listing of all anticipated costs; and schedule: a specific timeline for the project. Requests for applications or information should be addressed to: The Herb Society of America, at the address above.

National Geographic Society
Grants for Research and Exploration

Contact: Committee for Research and Exploration
The National Geographic Society awards grants for scientific field research and exploration through its Committee for Research and Exploration. All proposed projects must have both a geographical dimension and relevance to other scientific fields and be of broad scientific interest. Applications are generally limited to the following disciplines: anthropology, archaeology, astronomy, biology, botany, geography, geology, oceanography, paleontology, and zoology. In addition, the Committee is currently emphasizing multidisciplinary projects that address environmental issues. Researchers planning work in foreign countries should include at least one local collaborator as part of their research teams. The Committee will not consider applications seeking support solely for laboratory work or archival research.

FUNDING: This grant program does not pay educational tuition, nor does it offer scholarships or fellowships of any kind. Grants funded by the CRE are for one year's work in field and laboratory. While grant amounts vary greatly, most range from U.S. $15,000 to $20,000. There is no set quantity of grants awarded, but budget constraints keep the number to approximately 250 per year.

ELIGIBILITY: Applicants are expected to have advanced degrees (Ph.D. or equivalent) and be associated with an educational organization or institution. Independent researchers or those pursuing a Ph.D.-level degree may apply, but competition is keen and awards to non-Ph.D. applicants are rare. As a general rule, all applicants are expected to have published a minimum of three articles in peer-reviewed scientific journals.

The Ecological Biology Cluster supports research on natural and managed ecological systems, primarily in terrestrial, wetland, and freshwater habitats. Research areas include experimental, observational, theoretical, and modeling studies on the structure and function of complex associations that focus on biotic components, and the coupling of small-scale systems to each other and to large-scale systems. Projects are encouraged that develop conceptual and synthetic linkages among theoretical, modeling, and empirical approaches; that are conducted at one or more scales of ecological or geographic organization; and that synthesize empirical and theoretical findings into new paradigms. The Ecology
element supports studies of community ecology and population interactions at diverse spatial and temporal scales. These include (1) dynamics and processes within particular habitats; (2) food-web structure; (3) landscape patterns and processes; (4) paleoecology; (5) biotic interactions, including mutualism, competition, predation, and parasitism; (6) mechanisms of coexistence and community assembly, (7) co-evolution; and (8) chemical ecology. Ecology particularly encourages studies that reveal causal mechanisms, patterns, and ecological processes or that apply to a wide range of habitats and taxa. Studies focusing on population dynamics of single species should be directed to the Population and Evolutionary Processes Cluster.

National Science Foundation (NSF)
Directorate for Biological Sciences
Division of Environmental Biology
Systematic Biology and Biodiversity Inventories Cluster
Biodiversity Surveys and Inventories

Charles Lydeard, Juan Carlos Morales, and William C. Taylor, Program Directors
4201 Wilson Boulevard, Room 635 N
Arlington, VA 22230
Phone: (703) 292-8481 (Morales), -7142 (Lydeard), -7121 (Taylor) Fax: (703)292-9064
E-mail: clydeard@nsf.gov or jmorales@nsf.gov or wtaylor@nsf.gov
E-Forms: https://www.fastlane.nsf.gov/

DEADLINES ANNOUNCED: 01/09/2007; 07/09/2007

The Systematic Biology and Biodiversity Inventories Cluster supports the general science of systematics, whose three main missions are: to discover, describe, and inventory global species diversity; to analyze and synthesize the information derived from this global discovery effort into predictive classification systems that reflect the history of life; and to organize the information derived from this global program in efficiently retrievable forms that best meet the needs of science and society. The Cluster manages review panels each fall and spring, as well as special competitions for Revisionary Systematics (REVSYS) and for Partnerships for Enhancing Expertise in Taxonomy (PEET). Biodiversity Surveys and Inventories supports expeditionary work to discover, describe, and document plant, animal, and microbial diversity throughout the world, whether terrestrial, freshwater, or marine, and with emphasis on well-vouched natural history collections, or stocks and cultures including associated databases. Supported surveys may be primarily area-based (i.e., focusing on species inventory and discovery, including biogeographic or evolutionary hypothesis testing), clade-based (i.e., continental-scale to global species inventory for a particular taxonomic group), or guild-based (i.e., surveys that couple species inventory and discovery with ecological hypothesis testing).

National Science Foundation (NSF)
Directorate for Biological Sciences
Division of Integrative Organismal Biology (IOB)
Behavioral Systems Cluster

Program Director
4201 Arlington Boulevard, Room 685 S
Arlington, VA 22230
Fax: (703)292-9153
Web Site: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13405&org=NSF
The Division of Integrative Organismal Biology (IOB) (formerly the Division of Integrative Biology and Neuroscience) supports research aimed at integrative understanding of organisms as units of biological organization, with particular emphasis on their development, form, function, and evolution. An underlying theme in IOB is the use of a wide diversity of organisms both in identifying unifying principles common to all organisms and in understanding the variety of mechanisms that have evolved in specific organisms. Understanding development, form, function, and evolution requires integrative approaches. These can include analyses from the molecular through the ecosystem levels, including advanced computational techniques and interdisciplinary perspectives involving other areas of biology, behavioral science, physical science, mathematics, engineering, and computer science. Multidisciplinary collaborative research projects are encouraged so that different types of research techniques may be applied to single-focused problems. The Behavioral Systems thematic area focuses on the development, function, mechanisms, and evolution of behavior, biological rhythms, and interactions between organisms including animals, plants, and microbes. This area supports research on social and reproductive behavior; behavioral ecology and physiology; neural and hormonal mechanisms of behavior; immunology of behavior; and the biological bases of learning, cognition, and communication. Behavioral Systems also encompasses physiological responses, chemical communication, and reproductive consequences of plant interactions with other organisms. Proposals that use functional genomics to understand physiological and behavioral adaptations to environmental stimuli and stress are encouraged. NOTE: Foreign researchers at U.S. institutions may be able to apply for this award through their institution. Contact the program officer for details.

APPLICATION INFORMATION: Contacts for the different research areas are:
1. Diane Witt, Program Director: Neural mechanisms underlying behavior and neuroendocrine regulation of brain-behavioral relationships, including reproductive/social behavior, learning and memory, and biological rhythms in animals, telephone: (703)292-8423, e-mail: dwitt@nsf.gov;
2. Godfrey Bourne, Program Director: Behavioral ecology of animals and plants; evolution of parental care; sexual selection, including reproductive behavior and behavioral adaptations to environmental stimuli and stress--telephone: (703)292-8423, e-mail: gbourne@nsf.gov;
3. Jerry Wolff, Program Director: Behavioral ecology, mating systems, sexual selection and social evolution, learning and cognition--telephone: (703)292-8423, e-mail: jwolff@nsf.gov; and
4. Gary Thompson, Program Director: Plant-biotic interactions, including molecular and physiological responses to pathogens and nonpathogenic organisms--telephone: (703)292-8423, e-mail: gthompson@nsf.gov.

National Science Foundation (NSF)
Directorate for Education and Human Resources
Division of Undergraduate Education
Course, Curriculum, and Laboratory Improvement (CCLI)

Program Director
Course, Curriculum, and Laboratory Improvement (CCLI)
4201 Wilson Boulevard
Arlington, VA 22230
E-Forms: https://www.fastlane.nsf.gov/

DEADLINES ANNOUNCED: 05/09/2006; 05/10/2006; 01/10/2007

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. The
CCLI program is based on a cyclic model depicting the relationship between knowledge production and improvement of practice in undergraduate STEM education. All proposals must contribute to the development of exemplary undergraduate STEM education. Proposals may focus on one or more of the components of this cycle: (1) creating learning materials and teaching strategies; (2) developing faculty expertise; (3) implementing educational innovations; (4) assessing learning and evaluating innovations; and (5) conducting research on undergraduate STEM teaching and learning.

Phase 2 projects build on smaller-scale successful innovations or implementations, such as those produced by Phase 1 projects, and refine and test these on diverse users in several settings. In terms of scope, their focus ordinarily includes two or more components of the cyclic model with the connections between components explicitly addressed. Phase 2 projects carry the development to a state where the results are conclusive so that successful products and processes can be distributed widely or commercialized when appropriate. At a minimum, the innovation, if successful, should be institutionalized at the participating colleges and universities.

Phase 3 Projects - total budget up to $2 million for 3 to 5 years. Phase 3 projects combine established results and mature products from several components of the cyclic model. Such projects involve several diverse academic institutions, often bringing different kinds of expertise to the project. Evaluation activities are deep and broad, demonstrating the impact of the project’s innovations on many students and faculty at a wide range of academic institutions. Dissemination and outreach activities that have national impact are an especially important element of Phase 3 projects, as are the opportunities for faculty to learn how to best adapt project innovations to the needs of their students and academic institutions.

Although it is expected that some Phase 1 projects will lead to Phase 2 projects and some Phase 2 projects to Phase 3 projects, there is no requirement that a proposal be based on CCLI-funded work; however the antecedent(s) for all projects should be cited and discussed. While it is unlikely that the program would be able to support a single multiyear project to address all components in depth at a large scale, a succession of grants might support such an effort. In all cases the funds requested should be consistent with the scope and scale of the project.

APPLICATION INFORMATION: General inquiries regarding this program should be made to a program director in the appropriate discipline; the names, e-mail addresses, and phone numbers of the program directors in each discipline are listed in the NSF 06-536 Program Announcement. There is no limit on the number of proposals an organization may submit. An individual may be the main Principal Investigator (PI) on only one proposal submitted for any deadline. There is no restriction on the number of proposals for which an individual may serve as co-PI. The January 7, 2007, deadline is for Phase 2 and 3 proposals.

National Science Foundation (NSF)
Directorate for Education and Human Resources
Research in Undergraduate Institutions (RUI)

EHR RUI/ROA Liaison
4201 Wilson Boulevard
Arlington, VA 22230
Phone: (703)292-5111
E-Forms: https://www.fastlane.nsf.gov/

DEADLINE: 1/09/07 or 1/12/07 Biology target date depending on the cluster submitting to.

The specific objectives of the Research in Undergraduate Institutions (RUI) program are to (1) support high-quality research by faculty members of predominantly undergraduate institutions, (2) strengthen the research environment in academic departments that are oriented primarily toward undergraduate instruction, and (3) promote the integration of research and education. The involvement of undergraduate
students is an important feature of RUI. However, the overriding purpose of RUI is the support of faculty research.

SUPPORT PROVIDED: Proposals for RUI faculty research projects may request support for salaries and wages, research assistantships, fringe benefits, travel, materials and supplies, publication costs and page charges, consultant services, essential equipment, field work, research at other institutions, and indirect costs. Awards for faculty research projects will usually be for a period of 3 years, whereas awards for shared-use major instrumentation are usually for a period of 1 to 2 years. In recent years, the annual award size of individual investigator RUI projects has ranged from approximately $10,000 to over $100,000.

APPLICATION INFORMATION: General inquiries should be made to the RUI/ROA Program liaison above. (Go to http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5518&org=NSF for liaisons for other Directorates.) Proposals must be submitted electronically via FastLane by the investigator's home institution in accordance with the target dates or deadlines, if any, of the NSF disciplinary program in the proposed research area.

National Science Foundation (NSF)
Directorate for Biological Sciences
Division of Molecular and Cellular Biosciences
Cellular Systems Cluster

Eve Barak, Michael L. Mishkind, Jermelina L.G. Tupas, Matthew Kane, and Christina Kennedy, Program Directors
4201 Wilson Boulevard, 655 S
Arlington, VA  22230
Phone: (703)292-7113 (Barak) or -7190 (Mishkind) or -7144 (Tupas) or -7582 (Kennedy)  Fax: (703)292-9061
E-mail: ebarak@nsf.gov or mmishkin@nsf.gov or jtupas@nsf.gov or mkane@nsf.gov or ckenney@nsf.gov
Web Site: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12772&org=MCB&from=home
E-Forms: https://www.fastlane.nsf.gov/
DEADLINES ANNOUNCED:          01/12/2007; 07/12/2007

The Cellular Systems Cluster focuses on the structure, function, and regulation of plant, animal and microbial cells, and their interactions with the environment and with one another. Areas supported include studies of the structure, function, and assembly of cellular elements, such as the cytoskeleton, membranes, organelles, intracellular compartments, intranuclear structures, and extracellular matrix, including eukaryotic and prokaryotic cell walls and envelopes. In addition, support is provided for the study of intracellular and transmembrane signal transduction mechanisms and cell-cell signaling processes, including those that occur in biofilms. Research on cellular recognition and self-defense mechanisms is included. Research utilizing both traditional and innovative methodologies, multidisciplinary approaches, technique development, computation and modeling, and approaches that exploit genomic information is encouraged. Multidisciplinary approaches to the study of cellular systems, including research carried out at the interfaces of biology, physics, chemistry, mathematics and computer science, and engineering, are also encouraged.

National Science Foundation (NSF)
Directorate for Biological Sciences
Division of Integrative Organismal Biology (IOB)
Developmental Systems Cluster
Program Director
4201 Wilson Boulevard, Room 685 S
Arlington, VA  22230
Fax: (703)292-9153
Web Site: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13407&org=IOB&from=home
E-Forms: https://www.fastlane.nsf.gov/

DEADLINES ANNOUNCED: 01/12/2007; 07/12/2007

The Developmental Systems thematic area focuses on the nature, control, and evolution of those processes that comprise the life cycle of organisms. This area includes research on the mechanisms of gametogenesis, fertilization, embryogenesis, differentiation, pattern formation, and morphogenesis, including research on the development, regeneration, and aging of the nervous system. Genomic approaches, gene networks, integration of developmental gene pathways, and computational approaches are included. Studies that explore the evolution of developmental mechanisms are encouraged.

APPLICATION INFORMATION: Contacts for the different research areas are:
(1) Judith Plesset: animal development, including evolution of developmental mechanisms--telephone: (703)292-8417, e-mail: jplesset@nsf.gov;
(2) Susan Lolle: plant and microbial development, including evolution of developmental mechanisms--telephone: (703)292-8417, e-mail: slolle@nsf.gov;
(3) Paul Farel: neural development--telephone: (703)292-8417, e-mail: pfarel@nsf.gov; and Judith Venuti: animal development, including evolution of developmental mechanisms--(703)292-8417, e-mail: jvenuti@nsf.gov.

National Science Foundation (NSF)
Directorate for Biological Sciences
Research Initiation Grants & Career Advancement Awards to Broaden Participation in the Biological Sciences

RIG/CAA Coordinator
4201 Wilson Boulevard
Arlington, VA  22230
Phone: (703)292-8481  Fax: (703)292-9064
E-mail: rig-caabp@nsf.gov
E-Forms: https://www.fastlane.nsf.gov/

DEADLINES ANNOUNCED: 01/12/2007; 07/12/2007

The Directorate for Biological Sciences (BIO) at NSF offers two funding opportunities under this solicitation (1) Research Initiation Grants (RIG) and (2) Career Advancement Awards (CAA), with the goal of broadening the participation of scientists from groups underrepresented in the biological sciences in the U.S. These activities seek to promote the development and retention of scientists from underrepresented groups and to increase the numbers of such individuals that serve as role models for the scientific workforce of the future. A specific goal is to increase the number of research proposals submitted to NSF by individuals from groups currently underrepresented in the biological sciences as well as from scientists at minority-serving institutions so they can become actively and competitively engaged in research as independent investigators and, by so doing, create new research opportunities for students from underrepresented groups. RIG awards are for beginning investigators to undertake activities, such as acquisition of preliminary data or development of collaborations that will lead to formulation of competitive grant applications. CAA awards are intended to provide support for scientists other than beginning investigators to undertake specific activities that will enhance their career
development and competitiveness for research funds, for example, by acquiring new tools and/or skills to address contemporary research questions in the biological sciences.

SUPPORT PROVIDED: RIG awards are limited to a maximum of $150,000 for a period of 24 months with a possible addition of up to $25,000 for equipment. CAA awards are limited to a maximum of $150,000 for 24 months with a possible addition of up to $25,000 for equipment. NSF estimates that it will make 15 to 20 awards. NSF does not require cost sharing for this program.

APPLICANT INFORMATION: RIG and CAA eligibility is limited to scientists who are citizens, nationals, or legally admitted permanent residents of the United States holding a doctoral degree or having equivalent experience in NSF-supported fields. RIG is appropriate for a new investigator, usually in the first academic or research appointment. A RIG is not intended as a substitute for a postdoctoral fellowship. A proposer for a RIG should: (a) hold a faculty or research-related position in a U.S. college or university; (b) not previously have served as Principal Investigator (PI) or co-PI on an independent federal award for scientific or engineering research. (Previous federal support as a postdoctoral fellow or as a research associate or graduate research assistant on a federal grant where another person was the PI, or under a scientific and engineering education grant does not exclude a proposer from RIG eligibility.) Co-investigators are not permitted on RIG, but collaborations with or visiting scientist status in other laboratories is permitted. Tenure or tenure-track status is not an eligibility factor, but the proposer must be the PI. The submitting institution must provide a letter showing its support for the proposed activities. If the proposer is not in a tenure-track appointment, the institution must state its contractual agreement with the proposer if the appointment period and requested grant award dates are not congruent.

APPLICATION INFORMATION: General inquiries regarding this program should be made to:
Dr. Charles Lydeard, RIG/CAA Lead Coordinator, Directorate for Biological Sciences (BIO), Division of Environmental Biology, telephone: (703)292-7142, e-mail: rig-caabp@nsf.gov;
Dr. Gerald Selzer, RIG/CAA Coordinator, BIO, Division of Biological Infrastructure, telephone: (703)292-8470, e-mail: rig-caabp@nsf.gov;
Dr. Parag Chitnis, RIG/CAA Coordinator, BIO, Division of Molecular and Cellular Biosciences, telephone: (703)292-7132, e-mail: rig-caabp@nsf.gov; or
Dr. Godfrey Bourne, RIG/CAA Coordinator, BIO, Division of Integrative Organismal Biology, telephone: (703)292-8423, e-mail: rig-caabp@nsf.gov.

DEADLINES ANNOUNCED: 01/25/2007

The Major Research Instrumentation Program (MRI) is designed to increase access to scientific and engineering equipment for research and research training in our nation's organizations of higher education, research museums, and nonprofit research institutions. This program seeks to improve the quality and expand the scope of research and research training in science and engineering and to foster the
integration of research and education by providing instrumentation for research-intensive learning environments.

The goals of the MRI Program are to: (1) support the acquisition, through purchase, upgrade, or development, of major state-of-the-art instrumentation for research, research training, and integrated research/education activities at institutions; (2) improve access to and increase use of modern research and research training instrumentation by scientists, engineers, and graduate and undergraduate students; (3) enable academic departments or cross-departmental units to create well-equipped learning environments that integrate research with education; (4) foster the development of the next generation of instrumentation for research and research training; and (5) promote partnerships between academic researchers and private-sector instrument developers. The MRI program assists in the acquisition or development of major research instrumentation by organizations that is, in general, too costly for support through other NSF programs. Proposals may be for a single instrument, a large system of instruments, or multiple instruments that share a common or specific research focus. Proposal requests for computer and networked systems, clusters of advanced workstations, and other information infrastructure components necessary for research are encouraged. The MRI program will NOT support proposal requests for (a) computer networks as general-purpose equipment; (b) assorted instruments or general lab equipment that do not share a common or specific research or research training focus; (c) instrumentation requested primarily for standard science and engineering courses; or (d) renovation or modernization of research facilities, fixed equipment, or facilities such as research vessels, airplanes, large telescopes, and supercomputing centers. The term "research facilities" refers to the bricks-and-mortar physical plant in which sponsored or unsponsored research activities (including research training) take place, including related infrastructure, systems (e.g., HVAC and power systems, toxic waste removal systems), and fixed equipment. The term "fixed equipment" refers to the permanent components of a research facility that are integral (i.e., built in, rather than affixed) to the facility (e.g., clean rooms, fume hoods, elevators, laboratory casework); their removal would affect the integrity or basic operation of the facility. Proposals that fall into these categories will be returned without review.

SUPPORT PROVIDED: NSF estimates having $90 million to make up to 220 awards for this program in FY 2007. Awards for instrumentation will range from $100,000 to $2 million. Proposals requesting less than $100,000 will be considered only from non-PhD-granting organizations or from the disciplines of mathematical science or social, behavioral, and economic science at any eligible organization. Proposers may request an award period up to three years for acquisition proposals and up to five years for development proposals. Cost sharing is not required.

Organic Farming Research Foundation (OFRF)

Jane Sooby, Technical Program Coordinator
P.O. Box 440
Santa Cruz, CA  95060
Phone: (831)426-6606  Fax: (831)426-6670
E-mail: jane@ofrf.org
Web Site: http://www.ofrf.org/research/index.html
E-Forms: http://www.ofrf.org/research/application.html
DEADLINES: 12/15/2006; 07/15/2007

The Organic Farming Research Foundation (OFRF) is a nonprofit whose mission is to sponsor research related to organic farming practices, to disseminate research results to organic farmers and to growers interested in adopting organic production systems, and to educate the public and decision-makers about organic farming issues. OFRF funds research into organic farming and food systems and dissemination of research results to organic farmers and to growers interested in making the transition to organic production systems. Projects should involve farmers in both design and execution and take place on
working organic farms whenever possible and appropriate. OFRF may support innovative educational grants that reach or benefit a significant number of organic farmers and ranchers. OFRF is particularly interested in supporting research that is not only relevant to, but takes place in, certified organic systems. OFRF does not normally fund studies that have, as a primary objective, comparisons of conventional with organic systems.

SUPPORT PROVIDED: The average grant awarded in the past two cycles was around $8,000. OFRF will not fund a project for more than $15,000 per year. Matching funds from other sources and/or in-kind contributions from cooperators are encouraged but not required. OFRF will only fund one year of a multi-year project at a time. An interim report and new application are required for the Board to consider funding each subsequent year.

APPLICATION INFORMATION: For further information, contact Jane Sooby, Technical Program Coordinator, above. Proposals are considered twice a year. Funding cycles are for Fall (with a deadline of 7/15) and Spring (with a deadline of 12/15). Application guidelines may change throughout the year and are at http://www.ofrf.org/research/application.html.

Sigma Xi, the Scientific Research Society
Grants-in-Aid of Research

WRITE: Sigma Xi, The Scientific Rsch. Society
P.O. Box 13975
3106 East NC Highway 54
R.T.P., NC 27709
WEB: http://www.sigmaxi.org/programs/giar/
E-MAIL: giar@sigmaxi.org
PHONE: 919/549-4691
FAX: 919/549-0090
DEADLINE: MAR 15, 2007

The Sigma Xi Grants-in-Aid of Research (GIAR) program has been providing undergraduate and graduate students with valuable educational experiences for more than 80 years. By encouraging close working relationships between students and faculty, the program promotes scientific excellence and achievement through hands-on learning. ELIGIBILITY: While membership in Sigma Xi is not a requirement for applying for funding from the Grants-in-Aid of Research program, approximately 75% of funds are restricted for use by dues paying student members of Sigma Xi or students whose project advisor is a dues paying member of Sigma Xi. Students from any country are eligible to receive funding. FUNDING: The program awards grants of up to $1,000 to students from all areas of the sciences and engineering. Designated funds from the National Academy of Sciences allow for grants of up to $5,000 for astronomy and $2,500 for vision related research. Students use the funding to pay for travel expenses to and from a research site, or for purchase of non-standard laboratory equipment necessary to complete a specific research project

Smithsonian Institution
Fellowship Programs
Horticulture Services Division
Enid A. Haupt Fellowship in Horticulture

Horticulture Services Division
Horticulture Collections Management and Education
The Smithsonian Institution, the world's largest museum complex and research organization, is composed of 16 museums and the National Zoo in Washington, D.C., metropolitan area, and 2 museums in New York City. The Smithsonian's exhibitions offer visitors a glimpse into its vast collection numbering over 142 million objects. The Smithsonian is committed to enlarging the shared understanding of the mosaic that is the U.S. national identity by providing authoritative experiences that connect people to their history and heritage as Americans and to promoting innovation, research and discovery in science. The Enid A. Haupt Fellowship in Horticulture is designed to encourage the study of, and professions in, the field of horticulture. This fellowship is full-time, in residence, and is available for 12 to 24 months. The candidate is eligible for a stipend and research allowances. Tenure must begin between June 1 and October 1. Applicants must be enrolled in a graduate program seeking (or have received) their Master's or Ph.D. in horticulture, botany, landscape architecture or a related field. Applicants whose native language is not English are expected to have the ability to write and converse fluently in English.

Smithsonian Institution
Internship Programs
Horticulture Services Division Internships (HSD)

Intern Program, Horticulture Services Division
Arts & Industries Building
Room 2282
PO Box 37012
Washington, DC 20560-0420
Phone: (202)357-1926
Web Site: http://www.si.edu/ofg/intern.htm - ihsd
E-Forms: http://www.gardens.si.edu/horticulture/res_ed/intern/intern3.htm
DEADLINES ANNOUNCED: 02/13/2007

The Horticulture Services Division (HSD) of the Smithsonian Institution will consider undergraduate and graduate students for placement as interns in its various units. The purpose of an internship is twofold: to provide a practical learning experience in the activities and practices of a major horticultural program; and to offer exposure to the day-to-day activities of an office within the largest museum complex in the world. HSD offers a wide range of experiences to students in horticulture. Please note that internships are primarily of a practical nature unless otherwise agreed upon in advance. Although internships can vary in length to meet the requirements of the accrediting university, they are usually ten to sixteen weeks long. In exceptional cases, shorter or longer internships can be arranged.

SUPPORT PROVIDED: A limited number of stipends are available. A GCA (Garden Club of America) scholarship is also available for certain projects. Stipends pay $360/week for undergraduate and $420/week for graduate students. Candidates must pay for their own travel, housing, and subsistence during the period of the internship. Steel-toed safety shoes are required for certain projects. Interns may arrange for academic credit through their college or university.
APPLICANT INFORMATION: Any student enrolled in a two or four-year program in horticulture, museum studies, or a related field is eligible to apply for an internship. Selection is based on both an evaluation of the applicant's qualifications and experience and the type of projects HSD is able to offer at the time.

APPLICATION INFORMATION: Completed application form, essay, academic records, and two letters of recommendation should be sent to Beth Page, Smithsonian Institution, Horticulture, P.O. Box 37012, Capitol Gallery, Suite 3026, MRC 506, Washington, DC 20013-7012 for USPS, OR to Beth Page, Smithsonian Institution, Horticulture, 600 Maryland Avenue SW, Suite 3026, Washington, DC 20024 for FedEx or UPS. The application form is available online. Although application forms are received and evaluated on a continuing basis, the application deadline for summer internships is February 13. Applications for other times must be received three months prior to the date the proposed internship is to begin.

Smithsonian Institution
Fellowship Programs
Smithsonian Tropical Research Institute (STRI)
Short-Term Fellowships

Smithsonian Tropical Research Institute
Office of Education
Unit 0948
APO AA 34002-0948
Phone: (507)212-8031 Fax: (507)212-8148
E-mail: fellows@tivoli.si.edu
Web Site: http://www.si.edu/ofg/fell.htm - fstri


The Smithsonian Institution, the world's largest museum complex and research organization, is composed of 16 museums and the National Zoo in Washington, D.C., metropolitan area, and 2 museums in New York City. The Smithsonian Tropical Research Institute (STRI) in Panama is one of the leading centers for basic research on the ecology, behavior and evolution of tropical organisms. Short term fellowships (STF) support is provided to carry out short-term research projects in the tropics in areas of STRI research and under the supervision of Institute staff members. Projects may be exploratory or complete in themselves and their usual duration is 3 months.

SUPPORT PROVIDED: Fellowships have consisted of a stipend to cover modest living expenses at STRI facilities, roundtrip airfare to Panama, and a research allowance.

APPLICANT INFORMATION: The majority of these fellowships are awarded to graduate students, but awards are occasionally made to undergraduates and postdoctoral candidates. Applicants are encouraged to consult with staff members who they would like to serve as their advisor before submitting a formal application.

APPLICATION INFORMATION: Three copies of the complete application should be received at the latest by February 15, May 15, August 15 and November 15. The Ernst Mayr Fellowship is awarded to an outstanding Short-Term Fellowship candidate every year.