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**Application Deadlines:** None; applications are accepted continuously.

**Application Requirements:** Interested individuals or organizations should submit an NFTA application form. Selection criteria includes identifying a specific need for the NFTs. Applicants must clearly demonstrate how that need will be addressed and what the expected benefits will be. A description of the environmental conditions of each site is essential in order for NFTA to make species recommendations. The NFTA supplies the selected grantees with an evaluation form that they are expected to complete at the end of the project year. Grants may be renewed, but a new application must be submitted with a complete progress report. For additional information and NFTA application forms, contact the Development Grants Program, NFTA.

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### ***Jessie Smith Noyes Foundation***

The President  
The Jessie Smith Noyes Foundation  
16 East 34th Street  
New York, NY 10016  
USA

Phone: (212) 684-6577  
Fax: (212) 689-6549

**Title of Program:** The Jessie Smith Noyes Foundation  
Program Grants

**Description of Program:** The Foundation makes grants primarily in the interrelated areas of environment and population in both North and Latin America. The components of the program are: tropical ecology, water resources, sustainable agriculture, and population and reproductive rights.

**Purpose of Program:** To prevent irreversible damage to the natural systems upon which all life depends and to strengthen individuals and institutions committed to protecting natural systems and ensuring a sustainable society.

**Eligibility Requirements:** Only to tax-exempt organization with a 501 (c) (3) classification from the Internal Revenue Service (IRS), or the equivalent for organizations outside the United States. The Foundation does not consider requests for endowments, capital construction, general fundraising, deficit financing, or loans and grants to individuals; it no longer provides scholarship or fellowship support to individuals except within broader program activities. In view of the national and international scope of their programs, the Foundation does not ordinarily consider projects that are primarily of local interest. The Foundation rarely funds research projects, conferences, seminars, media events, or

workshops unless they are an integral part of a broader program. Within the Foundation's Latin American program, preference is given to activities carried out by Latin individuals and institutions in Latin America.

**Number of Awards:** Depends on the annual budget and the proposed projects.

**Duration of Awards:** Depends on the proposed projects.

**Amount of Awards:** No fixed amount; the awards reflect the budgets of the proposed projects.

**Application Deadlines:** None for letters of inquiry; for proposals, more than one month before the Foundation's three Board meetings in March, July, and December.

**Application Requirements:** The application process requires a letter of inquiry and a proposal; in addition, there are special requirements for organizations in Latin America and Canada. The letter of inquiries should be less than three pages and should include: a brief statement of the issues; a brief summary of the activities; the approximate starting date and duration; and the total amount of funding needed, including the amount requested from the Foundation and other sources of support. Two copies of the letter of inquiry should be sent. Inquiries from organizations outside the United States should be written in English and should include a brief statement (one page) of the history and goals of the organization along with a description of the governmental and non-governmental organizations that it works with. Due to the delays in mail in Latin America, organizations in Latin America may send letters of inquiry via facsimile; North American organizations are requested not to use the Foundation's fax number. Proposals should be submitted to the Foundation only upon request, using a Foundation format; a request for proposal, however, does not guarantee project support. For additional information, contact the President.

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### ***Oak Ridge Associated Universities (ORAU)***

Program Manager  
Science/Engineering Education Div.  
Oak Ridge Associated Universities  
P.O. Box 117  
120 Badger Road  
Oak Ridge, TN 37831-0117  
USA

Phone: (615) 576-4805 576-3190  
Fax: (615) 576-0202

**Title of Program:** 1. Global Change Distinguished  
Postdoctoral Fellowships

**Description of Program:** This Fellowship Program provides opportunities for recent recipients of doctoral degrees to

must be complete. Local reproductions of all forms are acceptable. The application package is detailed and consists of an original copy and five additional copies of a completed application form, personal statement, current resume, list of publications, thesis abstract, training and research plan, statement of the sponsoring scientist, and three signed, typed recommendations in sealed envelopes. All applications materials must be combined into one package. For additional information on current application procedures, contact: NSF Postdoctoral Research Fellowships in Plant Biology, DMB and DCB, Room 325, NSF. Telephone: DMB (202) 357-9400, DCB (202) 357-7905; Telephone Device for the Deaf (TDD) (202) 357-7492.

### ***The Nature Conservation Society of Japan***

Director of General Affairs  
The Nature Conservation Society of Japan  
Toranomon Denki Bldg, 4F,  
2-8-1 Toranomon,  
Minato-ku City TOKYO 105  
JAPAN

Phone: 81-3-503-4896  
Fax: 81-3-592-0496

**Title of Program:** Pro Natura Fund (Fund for Nature Conservation)

**Description of Program:** Granting of subsidies for projects of developing countries which contribute to nature conservation and its research and diffusion.

**Eligibility Requirements:** There are four project requirements: 1) the project should contribute to the conservation of the natural environment and sustainable utilization of natural resources in developing countries; 2) the research results should be published in countries concerned and the researchers should not have any partial benefits for specific political powers, religions, races, and tribes; 3) the accounting should be accurately reported and the results should not lead to profit-making of any specific parties; and 4) there should be no subsidies from other organization(s).

**Number of Awards:** Variable. In 1990, for example, there were 14 awards.

**Duration of Awards:** Approximately 1 year, usually from October of one year to September of the next. The actual dates, however, are flexible for foreign applicants.

**Amount of Awards:** Variable; the total for 1990, for example, is 40 million yen.

**Application Deadlines:** July 31, 1991

**Application Requirements:** The project applicants should: 1)

have been recommended by a researcher or an environmental group in Japan, and 2) have accumulated excellent experience in the field of nature conservation and/or environmental education. In the case of an invitation of an applicant to Japan, a definite guarantee for fidelity in Japan should have been selected for the applicant. Contact the General Affairs Officer, for the current application procedures.

### ***Nitrogen Fixing Tree Association (NFTA)***

P.O. Box 680  
Waimanalo, Hawaii 96795

Phone: (808) 259-8555  
Fax: (808) 262-4688  
Telex: 5101004385

**Title of Program:** Development Grants Program

**Description of Program:** The Development Grants are an integral component of the NFTA's Outreach Program; they provide technical and financial support to community groups involved in rural development forestry. Projects previously funded include: reforestation of degraded lands for watershed protection, demonstration nursery for training and seedling distribution, and fuelwood and fodder community tree farm.

**Purpose of Program:** To help organizations with little or no access to outside support develop viable community-based tree planting projects.

**Eligibility Requirements:** Grants are limited to NFTA Associate members. Non-Associates are encouraged to become Associates and receive all the benefits of a membership. Community participation in all project phases is required. Non-governmental organizations and community groups receive priority. The NFTA prefers to fund tree-planting or other related community activities. The grants are not intended for research purposes.

**Number of Awards:** Depends on the current budget; contact the Development Grants Program for information.

**Duration of Awards:** Variable; approximately one year.

**Amount of Awards:** Approximately \$200 to \$500. Grants maybe renewed, but renewals are subject to evaluation similar to first-time applications. The NFTA provides growers' manuals, species descriptions, establishment guides, and small quantities of seed and inoculum when available. Seed packages and specific advice are tailored to each grantee and depend on the environmental characteristics of each site. The NFTA provides ongoing technical advice throughout the life of the grant.

from new experiences; 3) provide an opportunity for full-time research for young Ph.D.s who are well-trained and highly-talented and wish to continue research; and 4) promote opportunities for independent research. This Fellowship program does not finance extensions of dissertation research and is a device for senior investigators to continue support for their postdoctoral research associates.

**Eligibility Requirements:** Citizens of the U.S. or native residents of a possession of the United States, such as the American Samoa; it does not refer to a citizen of a another country who has applied for United States citizenship. The Research Fellowships are offered to persons who: 1) have had the doctoral degree conferred no earlier than four years prior to the application deadline or will have earned this degree by the starting date of the Fellowship; and 2) have not previously been an investigator on an NSF conventional research or fellowship award. Careful consideration should be given to the selection of the host institutions, collaborators, and the sites of the field work. During the tenure of the award, fellows must be affiliated with established and fiscally responsible nonprofit foreign or domestic host institutions. Fellows planning research abroad must establish in advance a collaborative relationship with one or more host country scientists.

**Number of Awards:** Maximum of 20.

**Duration of Awards:** Either 12 months or 24 months, depending on the time requested, the research design, and proposal evaluation.

**Amount of Awards:** \$2,200 per month, plus a special allowance of \$500 per month for research-related costs. An institutional allowance of \$200 per month of tenure is for partial reimbursement of expenses in support of the fellow. and will be paid directly to the institution. Stipend payments begin about 6 to 8 weeks after the tenure is initiated. Also, Facilitation Awards for Handicapped Scientists and Engineers (FAH) provides funding for special assistance or equipment to enable persons with disabilities to conduct research.

**Application Deadlines:** November 1.

**Application Requirements:** The applications package is detailed and consists of an original copy and nine additional copies of a cover page, project summary, a research plan, a complete and current curriculum vitae with a list of the applicant's publications, and a pending support form. In addition, one copy of three separate NSF forms are required. For additional information on the current application procedures, contact the Postdoctoral (EB) Fellowships, Room 215, Biotic Systems and Resources, NSF. Telephone: (202) 357-7332, Fax: (202)357-7745.

**Title of Program:** 5. Postdoctoral Research Fellowships in Plant Biology

**Description of Program:** The Divisions of Molecular Biosciences and Cellular Biosciences (DMB and DCB) support the Postdoctoral Research Fellowships in Plant Biology for basic training at the molecular, cellular, and whole plant levels. The DMB supports research in Biochemistry, Biophysics, and Genetics; the DCB supports research in Cell Biology, Cellular Biochemistry, Physiological Processes and Developmental Biology.

**Purpose of Program:** To provide opportunities for plant biologists from all subdisciplines to learn concepts and methodological techniques of related scientific fields in order to approach problems of plant biology with the most sophisticated tools. The Fellowships also provide opportunities for a wide range of biological and physical scientists not trained in traditional plant sciences to learn concepts and techniques of research on plants and to conduct research in plant biology.

**Eligibility Requirements:** Citizens of the U.S. or native residents of a possession of the United States, such as the American Samoa; it does not refer to a citizen of a another country who has applied for United States citizenship. Applicants must have a doctoral degree in biological science, physical science, or engineering. Prior arrangements for research and training in plant biology must be made with a scientific adviser at the institution where the Fellowship will be held; the institution must provide conceptual approaches and experimental skills different from the applicant's previous research training. The research must fall within the program areas of the DMB and DCB Divisions.

**Number of Awards:** Approximately 20.

**Duration of Awards:** Normally 2 years; under special circumstances a fellow may apply for a one-year extension during the second year. In addition, a fellow may request a special 1-year starter grant if the fellow has accepted a tenure-track position.

**Amount of Awards:** \$2,200 per month. There is no dependency allowance. An institutional allowance of \$200 per month of tenure is provided for research support. A special allowance of \$300 per month is expendable at the Fellow's discretion. The maximum amount for the special one-year starter grant (above) is \$35,000 and requires matching funds on a 2:1 basis from the institution. Also, Facilitation Awards for Handicapped Scientists and Engineers (FAH) provides funding for special assistance or equipment to enable persons with disabilities to conduct research.

**Application Deadlines:** November 1. Applications postmarked later than November 1 will not be considered. For those applicants who are offered an award, tenure must start on or after June 1, but not later than the following January 1.

**Application Requirements:** Applicant evaluation will be based on ability of past research work and letters of recommendation. To be eligible for consideration, an application

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their faculties to identify outstanding students of minority groups and to encourage their applications in the NSF Graduate Research Fellowship Programs.

**Application Deadlines:** Each fellowship has the same two deadlines: the Fellowship Application-Part I is November 9; the Fellowship Application-Part II is December 7. Envelopes postmarked after these respective dates will not be accepted.

**Application Requirements:** For both fellowships, a complete NSF Graduate Fellowship application must be submitted; a complete application consists of the following: Fellowship Application-Part I, Fellowship Application-Part II, proposed plan of study and/or research, previous research experience, course reports, academic transcripts, reference reports, and GRE scores attained since October 1, 1985. For additional information on the current application procedures, contact the Fellowship Office, NRC.

**Title of Program:** 3. NSF-NATO Postdoctoral Fellowships in Science and Engineering

**Description of Program:** The North Atlantic Treaty Organization (NATO) offers these fellowships through the NSF. These fellowships are awarded for scientific research and/or study at appropriate nonprofit institutions. Awards for these fellowships will be made for appropriate work in the mathematical, physical, biological, engineering, and social sciences; the history and philosophy of science; and interdisciplinary areas comprised of two or more of these fields. These fellowships are not intended to support the preparation of prior research results for publication or the writing of textbooks. The awards are intended primarily for those who will study in NATO-member countries other than the United States; these nations include: Belgium, Canada, Denmark, France, Germany, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Turkey, and the United Kingdom. However, considerations may be given to Fellows wishing to study at multinational institutions having strong NATO associations, but located in neighboring countries.

**Purpose of Program:** To promote the progress of science and the closer collaboration among the scientists in countries that are members of NATO.

**Eligibility Requirements:** Citizens of the U.S. or native residents of a possession of the United States, such as the American Samoa; it does not refer to a citizen of another country who has applied for United States citizenship. Applicants must have: 1) a Ph.D. in one of the listed fields or have had research training and experience equivalent to that represented by a Ph.D. in one of those fields; 2) not received their doctorates earlier than January 1, 1986; and 3) not previously held an NSF-NATO Postdoctoral Fellowship. Women, minorities, and disabled scientists who meet this eligibility criteria are particularly encouraged to apply.

**Number of Awards:** Approximately 50.

**Duration of Awards:** Between 6 to 12 months. The tenure of a fellowship may be interrupted, but no single period of tenure may be less than 4 months. The total time from the date of the award to the termination of the fellowship may not exceed 30 months.

**Amount of Awards:** \$2,300 per month. Extra allowances include: 1) dependency allowance of \$200 per month for a dependent spouse and for each of not more than two dependent children; 2) travel allowance of up to \$6,000 for fellow and dependents; and 3) research-related aid of \$100 each month. In addition, the fellowship institution, upon it requests, will receive \$100 for each month of the fellow's resident tenure. Also, Facilitation Awards for Handicapped Scientists and Engineers (FAH) provides funding for special assistance or equipment to enable persons with disabilities to conduct research.

**Application Deadlines:** November 3; applications submitted by mail must be postmarked by this date.

**Application Requirements:** Applications must be complete and must be submitted on the standard official forms. An application submitted on any other form will not be accepted. Each applicant must submit an outline of the proposed program of research, the study to be conducted, and complete copies of transcripts of their college and university records. Final course work is not generally considered to be study at the postdoctoral level and is only considered to be a minor part of the fellowship program. For additional information on the current application procedures, contact the NATO Program Office, Division of Research Career Development, Directorate for Education and Human Resources, NSF. Telephone: (202) 357-9466.

**Title of Program:** 4. Postdoctoral Research Fellowship in Environmental Biology

**Description of Program:** The Division of Biotic Systems and Resources (BSR) has established this special program of postdoctoral research fellowships to enable select groups of environmental biologists to improve and expand their skills and research programs. The following disciplines are appropriate: systematics; evolutionary biology at, or above, the organismal level; population biology; population genetics; physiological ecology; community ecology; and ecosystem studies. In general, only projects that focus on terrestrial, inland aquatic, and estuarine habitats or organisms are included; these limitations, however, do not apply to the systematic biology studies.

**Purpose of Program:** To provide opportunities for new-doctoral level scientists to pursue innovative and imaginative research ideas in environmental biology. The objectives are to: 1) provide a means of support for those who wish to work abroad or spend extensive periods in the field; 2) encourage young scientists to move to a new institution and to benefit

**Number of Awards:** Maximum of 10 awards, contingent upon availability of funds.

**Duration of Awards:** Between 6 to 15 months

**Amount of Awards:** Between \$58,300 to \$70,000 plus a benefit allowance. These figures include a special allowance of \$1,000 per month for research-related costs and a relocation allowance of \$3,000. An institutional allowance of \$300 per month is for partial reimbursement of expenses incurred in support of the fellow and will be paid directly to the institution. Also, Facilitation Awards for Handicapped Scientists and Engineers (FAH) provides funding for special assistance or equipment to enable persons with disabilities to conduct research.

**Application Deadlines:** November 1.

**Application Requirements:** The applications package is detailed and consists of an original copy and nine additional copies of a cover page, project summary, a research plan, a complete and current curriculum vitae with a list of the applicant's publications, and a pending support form. In addition, one copy of three separate NSF forms are required. For additional information on the current application procedures, contact the BSR Mid-Career Fellowships, Room 215, Biotic Systems and Resources, NSF. Telephone: (202) 357-7332, Fax: (202) 357-7745.

**Title of Program:** 2. NSF Graduate Fellowship Program - with the special component Women in Engineering

A. NSF Graduate Fellowships

B. NSF Minority Graduate Fellowship Program

**Description of Program:** The Fellowship Office of the National Research Council (NRC) administers both the NSF Graduate Fellowships and the NSF Minority Graduate Fellowship Program. Both fellowships are for study and research in the sciences or in engineering leading to master's or doctoral degrees in the mathematical, physical, biological, engineering, and social sciences. Awards are also made for work toward a research-based Ph.D. in science education that requires a science competence comparable to that for Ph.D. candidates in those disciplines.

**Purpose of Program:** To improve the human resource base of science and engineering in the United States. Both fellowships are offered to individuals who have demonstrated ability and special aptitude for advanced training in science or engineering. The specific purpose of the Minority Graduate Fellowships is to increase the number of practicing scientists and engineers who are members of ethnic minority groups.

**Eligibility Requirements:** Both fellowships are open to citizens of the U.S. or native residents of a possession of the

United States, such as the American Samoa; it does not refer to a citizen of another country who has applied for United States citizenship. The Minority Graduate Fellowships are open to U.S. citizens who are members of an ethnic minority group, i.e., American Indian, Black, Hispanic, Native Alaskan (Eskimo or Aleut), or Native Pacific Islander (Polynesian or Micronesian). The fellowships are intended for students at or near the beginning of their graduate degree in science and engineering. The Women in Engineering (WIE) eligibility is available to applicants for both fellowships; it is limited to those women who intend to work toward advanced degrees in engineering fields. The engineering fields related to International Forestry and Natural Resources are agricultural and environmental engineering.

**Number of Awards:** For the Graduate Fellowships - 900 total awards, 835 of which are regular awards; 65 awards are for Women in Engineering. For the Minority Graduate Fellowships - 200 total awards, 185 of which are regular awards, 15 are awards for Women in Engineering.

**Duration of Awards:** Maximum tenured period for both fellowships is 3 years usable over a 5-year period. The normal tenure for these fellowships is 9 to 12 months for each fellowship year.

**Amount of Awards:** For both fellowships, approximately \$13,500 for 12 month tenures, prorated monthly at \$1,125 for lesser periods. There are additional possibilities: A one-time \$1,000 Special International Research Travel Allowance is available for Graduate Fellows who have a special need to study or do full-time research at a foreign site for three or more continuous months; the research activities must contribute to the Fellows's advanced degree objectives. Also, Facilitation Awards for Handicapped Scientists and Engineers (FAH) provides funding for special assistance or equipment to enable persons with disabilities to conduct research. There are two additional awards available to the Minority Graduate Fellows and their graduate and undergraduate departments.

1. Mentoring Assistantships - Minority Graduate Fellows enrolled into their fellowship institutions for the first time as graduate students are eligible for 1-3 months of additional stipend support; the assistantships allow the graduate students to participate in Summer research before they begin their Fall fellowship tenure. The Mentoring Assistantships are in addition to the normal three years of tenure. An allowance of \$500 per month during this period is also available to the department in which the research takes place.

2. NSF Incentives for Excellence Scholarship Prizes - A \$1,000 Incentive is awarded to the U.S. undergraduate department of each Minority Graduate Fellowship awardee. The Incentive encourages all U.S. undergraduate science and engineering departments and

aquaculture, ecology, environmental sciences, forestry, soil sciences, tropical forestry, and vegetation.

**Purpose of Program:** 1) to provide postdoctoral scientists and engineers of unusual promise and ability with opportunities for research on problems that are compatible with the research interests of sponsoring laboratories; and 2) to contribute to the overall research efforts of these laboratories and to the national scientific and technological welfare.

**Eligibility Requirements:** Regular Research Associates that have held doctorates less than five years at the time an award is offered; Senior Research Associates that have held their doctorates longer than five years. Other eligibility requirements are variable; thirty-six federal laboratories participate in this program, and requirements relating to citizenship, acceptance of Regular or Senior applicants, and other matters, vary with each laboratory. Contact the Associateship Programs - GR 430-A, NRC for information.

**Number of Awards:** Variable; in any given year approximately 600 Associates are on tenure at locations throughout the United States and abroad. Awards are offered to as many applicants as possible starting with the highest-scoring applications.

**Duration of Awards:** Variable, depends on the individual research projects.

**Amount of Awards:** \$27,150 to \$35,000 for Regular Research Associateships; \$35,000 to \$68,000 for Senior Research Associateships. Relocation expenses are reimbursed to awardees whose residence is located beyond commuting distance to sponsoring laboratories. Relocation expenses are also reimbursed for dependents and household goods in the United States and Canada, if an Associate's tenure exceeds six months. A U.S. citizen is eligible for return relocation reimbursement if the tenure exceeds six months and initial relocation expenses were reimbursed by the NRC. A non-U.S. national who lives outside the United States may be reimbursed for round-trip airfare, relocation of dependents, and transport of a limited amount of personal belongings, if tenure exceeds six months. Limited funds are available for attendance at 1-2 professional meetings each year. A comprehensive health-insurance program is available on a cost-sharing basis for Associates and dependents.

**Application Deadlines:** Variable, but near January 15, April 15, and August 15 for NRC review meetings in February, June, and October. Supporting documents may be sent later.

**Application Requirements:** Applicants must complete the application materials and supporting documents. Application materials include: an application form, a research proposal, and a statement of previous and current research. Supporting documents include reference reports, a transcript of all graduate and undergraduate credits for Regular applicants, and letters of reference for Senior applicants. For additional

information, contact the Associateship Programs - GR-430-A, National Research Council.

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## **National Science Foundation**

National Science Foundation  
1800 G Street  
Washington, DC 20550  
USA

Phone: (202)357-7536  
Phone (TDD): (202) 357-7492  
Fax: (202) 357-7745

The Fellowship Office  
National Research Council  
2101 Constitution Avenue  
Washington, DC 20418

Phone: (202) 334-2872, (202) 357-7492

**Title of Program:** 1. Mid-Career Fellowships Opportunities in Environmental Biology

**Description of Program:** The Division of Biotic Systems and Resources (BSR) has established the mid-career postdoctoral research fellowships to enable select groups of environmental biologists to improve and expand their skills and research programs. Projects in the following areas are encouraged: microbial ecology and specifically rhizospheric community structure and function; plant adaptation to nutrient deficiencies; riverine ecology; molecular phylogenetics; evolutionary morphology; systematics of endangered tropical biotas; biosphere/atmosphere/geosphere interactions; and landscape ecology, especially that involving the linkage of geographic information systems (GIS) and remote sensing technologies.

**Purpose of Program:** To provide opportunities for experienced doctoral-level scientists to pursue innovative and imaginative research ideas in environmental biology.

**Eligibility Requirements:** Citizens of the U.S. or native residents of a possession of the United States, such as the American Samoa; it does not refer to a citizen of a another country who has applied for United States citizenship. Applicants must have had the Ph.D. for at least 10 years prior to the deadline date. Careful consideration should be given to the selection of the host institutions, collaborators, and the sites of the field work. During the tenure of the award, fellows must be affiliated with established and fiscally responsible, nonprofit, foreign or domestic host institutions. Fellows planning research abroad are urged to establish, in advance, a collaborative relationship with one or more host country scientists.

grants are not given to individuals, endowment funds, capital campaigns, or building projects.

**Number of Awards:** Variable. In 1989, for example, 15 awards were given; in 1990, there were 4 awards.

**Duration of Awards:** 1 to 3 years.

**Amount of Awards:** Variable. In 1989: \$396,000; in 1990: \$135,000.

**Application Deadlines:** None; applications are received continuously.

**Application Requirements:** A complete application package includes a grant proposal, a project budget, an operating budget, a recent financial statement, and a tax determination letter. For additional information, contact the Administrator.

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## **National Academy of Sciences (NAS)**

Office of International Affairs  
National Research Council  
2101 Constitution Avenue  
Washington, DC 20418  
USA

Phone: (202) 334-3884

**Title of Program:** Soviet and East European Exchanges

1. Short-term Visits
2. Long-term Visits
3. Project-development Visits

**Description of Program:** The NAS sponsors exchange programs for individual scientists with the Academies of Sciences of the USSR, Bulgaria, Czechoslovakia, Hungary, Poland, Romania, and Yugoslavia. There are three visits: short-term, long-term, and project-development related. The disciplines include physics; chemistry; mathematics and computer sciences; earth, atmospheric, and oceanographic sciences; agricultural, forestry, fishery, and plant sciences; biological sciences; environmental sciences; engineering; archeology and anthropology; geography; psychology; science and technology policy; and the history and philosophy of science.

**Purpose of Program:** 1) to facilitate exchanges that will lead to significant scientific publications jointly authored by U.S. and foreign colleagues in areas of high scientific interest; and 2) to provide American and foreign scientists access to colleagues, specialized facilities, unique data bases, and geographical areas that can significantly enrich research and publications of interest to the scientific community

**Eligibility Requirements:** U.S. Citizenship. Applicants must possess a doctoral degree, or research training and experience equivalent to a doctoral degree, in the listed disciplines. The selection criteria includes: an applicant's technical capabilities, the quality of the proposed project, and the feasibility of implementing the project. Previous participants may not apply for participation in the program in consecutive years. The time between long-term visits (3 to 12 months) must be at least three years. Selection by the NAS does not guarantee that the proposed visit can be arranged.

**Number of Awards:** Variable; contact the Office of International Affairs, NRC, for information.

**Duration of Awards:** Short-term visits are 1 to 2 months, long-term visits are 3 to 12 months, and project-development visits are 2 weeks.

**Amount of Awards:** Participants receive round-trip airfare and salary replacement, but not consulting fees lost during the long-term visits. Round-trip airfare is provided for spouses who are U.S. residents and accompany a participant for six months or longer. Limited funds for language study are available for long-term exchanges to the USSR; language study must be completed prior to departure. The receiving academy provides appropriate housing, necessary local transportation, medical services, and allowance for food and miscellaneous needs. Spouse support varies with each program. The NAS may reimburse long-term participants up to \$200 for approved expenditures.

**Application Requirements:** For additional information, contact the Office of International Affairs, NRC.

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## **National Research Council (NRC)**

Associateship Programs - GR 430-A  
National Research Council  
2101 Constitution Avenue  
Washington, DC 20418  
USA

Phone: (202) 334-2760

**Title of Program:** NRC Research Associateship Programs

1. Regular Research Associateships
2. Senior Research Associateships

**Description of Program:** These two NRC Research Associateship Programs are offered to postdoctoral-level scientists and engineers who are selected in a national competition. The research opportunities related to international forestry and natural resources include: agriculture,

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U.S. National Committee announces its priorities and criteria for the selection of research projects and proposals to receive U.S. MAB support for the following fiscal year. In 1991, for example, preference will be given to proposals which: 1) are inter- or trans-disciplinary; 2) request \$50,000 or less; 3) involve scientists from the host country, when international; 4) deal with environmental policy issues that support U.S. MAB; 5) utilize units of the International Network of Biosphere Reserves as sites for monitoring, research, education, and demonstration; and 6) promote biosphere reserves as focal points for special regional and interagency cooperation.

**Number of Awards:** Depends on the funding of the U.S. National Committee and the amount of the individual proposals.

**Duration of Awards:** Variable; the award depends on the duration of the proposed research projects.

**Amount of Awards:** There is no specific amount; however, the U.S. National Committee gives preference to proposals that are less than \$50,000.

**Application Deadlines:** None; applications are accepted continuously.

**Application Requirements:** Applicants must first submit a preliminary description of the proposed research project, which may not exceed three pages. These descriptions must be accompanied by a biographic sketch of the potential principals, which also may not exceed three pages. U.S. citizens should contact the U.S. MAB Secretariat for the current application procedures; non-U.S. citizens should contact the MAB National Committee of their country to determine their MAB directorate programs.

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### ***The Andrew W. Mellon Foundation***

140 East 62nd Street  
New York, NY 10021  
USA

Phone: (212) 838-8400  
Fax: (212) 888-4172

**Title of Program:** Andrew W. Mellon Foundation Grants

**Description of Program:** The Andrew W. Mellon Foundation makes grants on a selective basis to institutions in higher education; in cultural affairs and the performing arts; in population; and in certain areas of conservation, natural resources, the environment, and public affairs. The activities in conservation and the environment are designed to take advantage of new opportunities as well as to strengthen institutions of central importance in their fields. In 1989 several grants were made for the research on tropical forests.

**Purpose of Program:** To aid and promote religious, charitable, scientific, literary, and educational purposes that tends to promote the well-being of the human race.

**Eligibility Requirements:** The Foundation makes grants on a selective basis to institutions in their priority areas; the Foundation does not make grants to individuals or to local organizations. Although most of the institutions are in the U.S., the Foundation does offer grants to foreign institutions.

**Number of Awards:** Depends on the appropriations in each program area and the budget of each request.

**Duration of Awards:** Variable.

**Amount of Awards:** Depends on the annual appropriations in each program area and the proposed budget of each request. The Foundation is able to grant only a small fraction of the requests that it receives.

**Application Deadlines:** None; applications are considered throughout the year.

**Application Requirements:** There is no standard application form. Applicants should send a simple letter that describes the need, the nature, the amount, and the justification for the request. They should also include evidence of suitable classification by the Internal Revenue Service and any other supplementary exhibits they feel are important. For additional information, contact the Foundation.

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### ***The John Merck Fund***

The Administrator  
The John Merck Fund  
11 Beacon Street, Suite 600,  
Boston, Massachusetts 02108  
USA

Phone: (617) 723-2932  
Fax: (617) 523-6029

**Title of Program:** The John Merck Fund Environmental Program

**Description of Program:** The primary emphasis of the John Merck Fund is rural New England; the Fund, however, does provide awards related to the sustainable use of tropical forests.

**Purpose of Program:** There are two objectives: 1) to halt tropical deforestation and biodiversity destruction, and 2) to abate global warming through energy efficiency and energy alternatives.

**Eligibility Requirements:** Citizenship is unrestricted. Grants are only given to 501(c)(3) organizations or their equivalents;



younger people is encouraged.

**Eligibility Requirements:** Citizenship unrestricted. Considerations for proposals change each year. In 1990, for example, special consideration were given to proposals for initiatives in Madagascar, Malaysia, and the Philippines; in 1991, special consideration will be given to proposals for activities in the eastern Himalayas, Southwest Pacific, and U.S. tropical areas (i.e., Hawaii, Guam, American Samoa, Micronesia, the Florida Keys, Puerto Rico, the the U.S. Virgin Islands).

**Number of Awards:** Depends on the amount of each award; the Foundation intends to award approximately \$15 million in grants in 1990.

**Duration of Awards:** 1 to 3 years.

**Amount of Awards:** The maximum annual allotment is \$300,000. The Foundation, however, encourages studies that can be accomplished on a more limited budget.

**Application Deadlines:** August 1 of each year (1990 - 1992).

**Application Requirements:** The application procedures are extensive; they include: cover sheet; summary (up to 250 words); description (up to 4,000 words); budget; resumes of applicants; three letters of reference for each team member; and statement of any previous, current, and potential funding sources for the proposed work. For complete information, contact the Grants for Collaborative Studies.

## ***Man and the Biosphere (MAB) Secretariat (UNESCO)***

International Coordinating Council  
Unesco  
7, place de Fontenoy  
75700 Paris  
France

Phone: (33-1) 45-68-10-10  
Fax: (33-1)45-67-16-90  
Telex: 204461 Paris  
27062 Paris

U.S. MAB Secretariat  
OES/EGC/MAB  
Room 833, SA-5  
Washington D.C. 20522-0508  
USA

Phone: (202) 632-2816  
Fax: (202) 647-5947

### **Title of Program: 1. MAB Young Scientists Research Grants**

**Description of Program:** The Young Scientists Research Grants are designed to facilitate research work of young scientists in MAB field projects, international comparative studies and biosphere reserves.

**Purpose of Program:** To promote scientific contributions from young research scientists to MAB research.

**Eligibility Requirements:** Citizens of UNESCO-member countries. Applicants should not be older than 35 years old. MAB research fellows who receive these awards will be selected by the Bureau of the International Coordinating Council (ICC)/MAB. The ICC/MAB only considers the approved application forms submitted by the National Committee in the applicant's country of origin.

**Number of Awards:** Approximately 10 each year.

**Duration of Awards:** Variable; the awards depend on the duration of the proposed research projects.

**Amount of Awards:** No specific amount; however, the U.S. National Committee gives preference to proposals that are less than \$50,000.

**Application Deadlines:** None; applications are accepted continuously.

**Application Requirements:** The Bureau of ICC/MAB only accepts application forms that are approved by the Chairman or Secretary of the MAB National Committee of the applicant's country of origin. Each MAB National Committee may submit two applications per year. Non-U.S. applicants should contact the Bureau of ICC/MAB for the current application procedures and address of their country's MAB National Committee; U.S. citizens should contact the U.S. MAB Secretariat.

### **Title of Program: 2. (U.S.) MAB Research Grants**

**Description of Program:** The (U.S.) MAB Research Grants offered by the U.S. National Committee for the U.S. MAB are listed here as an example of potential grants that may be awarded by a MAB National Committee. These Research Grants give priority consideration to proposals that complement the U.S. MAB directorate programs, namely: High-Latitude Ecosystems; Human Dominated Systems; Marine and Coastal Ecosystems; Temperate Ecosystems; and Tropical Ecosystems. Note: Applicants from other member countries must contact the National Commission for UNESCO in their country.

**Purpose of Program:** To stimulate scientists to work together in the five areas described above.

**Eligibility Requirements:** U.S. citizens or persons studying or teaching at U.S. institutions or universities. Each year the

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**Title of Program:** LASPAU Scholarships

**Description of Program:** LASPAU administers scholarships for a number of sponsors in the Latin American and Caribbean region. The study of forestry and natural resources is a priority for many of these sponsors.

**Purpose of Program:** To upgrade the teaching, research, technical, and administrative staffs of development-related institutions in Latin America and the Caribbean region.

**Eligibility Requirements:** Latin American and Caribbean nationals. Usually recipients must be nominated by participating institutions that guarantee their reemployment upon completion of the program.

**Number of Awards:** Approximately 250 to 300 per year.

**Duration of Awards:** The time necessary to complete the program of study; usually two years for a Master's degree, three years for a Doctoral Degree.

**Amount of Awards:** Approximately \$12,000 per year plus tuition. This amount varies with each program.

**Application Deadlines:** Varies with each program.

**Application Requirements:** Applications are usually forwarded through local collaborating institutions in each country. Contact LASPAU or the local collaborating institution for the current application procedures.

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***The Charles A. Lindbergh Fund, Inc.***

Grants Coordinator  
708 South 3rd Street, Suite 110  
Minneapolis, MN 55415  
USA

Phone: (612) 338-1703  
Fax: (612) 338-6826

**Title of Program:** The Lindbergh Grants Program

**Description of Program:** The Lindbergh Fund provides grants in the following categories that are related to international forestry and natural resources: Agriculture, Conservation of Natural Resources, Oceanography, Water Resources Management, and Wildlife Preservation. A Jonathan Lindbergh Brown Grant may also be given to a project to support adaptive technology of biomedical research which seeks to redress imbalance between an individual and his or her human environment.

**Purpose of Program:** The Lindbergh Fund provides grants to men and women whose individual initiative and work in disciplines that further Charles Lindbergh's vision of a

balance between the advance of technology and preservation of the natural environment.

**Eligibility Requirements:** Citizens of all countries are eligible. Grants are not awarded to affiliated institutions for institutional programs. The Fund does not provide support for tuition scholarships or related travel.

**Number of Awards:** Approximately 10 each year.

**Duration of Awards:** Usually 1 year, but individual grants may be considered for a longer period.

**Amount of Awards:** The maximum grant is \$10,580. It is a symbolic amount representing the cost of the "Spirit of St. Louis in 1927" in 1927.

**Application Deadlines:** June 16, for the consideration of the next year's funding.

**Application Requirements:** Enclose a stamped (only if U.S. postage stamps are available), self-addressed envelope with your request. The Lindbergh Grant Application may be photocopied and distributed. Duplicate copies of a submitted application are acceptable as long as one set contains the original signature of the Principal Investigator and Official of Affiliated Institution (if applicable). Contact the Grants Coordinator by mail or phone for the current application procedures.

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***The John D. and Catherine T. MacArthur Foundation***

Grants for Collaborative Studies  
The John D. and Catherine T. MacArthur Foundation  
140 South Dearborn Street  
Chicago, IL 60603  
USA

Phone: (312) 236-5356

**Title of Program:** Grants for Collaborative Studies on Human Societies and Environmental Change

**Description of Program:** From 1990 through 1992, a series of grants will be awarded for projects dealing with the human dimensions of environmental change, including the links between economic development, population change, the natural environment, and international cooperation. Conservation of biological diversity is the primary objective of the Foundation's grant program.

**Purpose of Program:** To encourage imaginative, interdisciplinary work that will be widely disseminated to policy makers and the broader public. Collaboration will be a central criterion of evaluation. Participation by policy makers, community leaders, women, minority group members, and