NSF-NATO POSTDOCTORAL FELLOWSHIPS IN SCIENCE AND ENGINEERING

Including

SPECIAL FELLOWSHIP OPPORTUNITIES FOR VISITING SCIENTISTS FROM NATO PARTNER COUNTRIES

Guidelines for Submission of Applications
1999 Announcement

DIRECTORATE FOR EDUCATION AND HUMAN RESOURCES
NSF-NATO POSTDOCTORAL FELLOWSHIP PROGRAM

DEADLINE FOR SUBMISSION OF APPLICATIONS: November 16, 1998
AWARDS ANNOUNCED: March 1999

NATIONAL SCIENCE FOUNDATION
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ANNOUNCEMENT OF NSF-NATO POSTDOCTORAL FELLOWSHIPS IN SCIENCE AND ENGINEERING INCLUDING SPECIAL FELLOWSHIP OPPORTUNITIES FOR VISITING SCIENTISTS FROM NATO PARTNER COUNTRIES FOR 1999

On behalf of the North Atlantic Treaty Organization (NATO), the National Science Foundation (NSF) invites applications for 12-month postdoctoral fellowships from beginning scientists, mathematicians, and engineers. Approximately 20 fellowships will be offered for research abroad and approximately 20 awards will be made to U.S. institutions that would like to host a Visiting Scientist from NATO Partner Countries. Eligible fields of research are: mathematics, engineering, computer and information science, geosciences, the physical, biological, social, behavioral, and economic sciences, the history and philosophy of science, and interdisciplinary areas comprised of two or more of these fields. Research in the teaching and learning of science, mathematics, technology, and engineering is also eligible for support. Application deadline is November 16, 1998. Awards will be announced in March 1999.

SUMMARY OF APPLICANT ELIGIBILITY

To be eligible for an NSF-NATO Postdoctoral Fellowship individuals must:

1. be U.S. citizens, nationals or permanent residents as of November 16, 1998;
2. have been awarded a doctoral degree (Ph.D. or equivalent) on or after October 1, 1994 but normally no later than October 1, 1999; and
3. desire to conduct scientific research at appropriate government and non-profit scientific institutions, which are located in the NATO-member or NATO Partner Countries other than the United States.

To be eligible for an NSF-NATO Visiting Scientist Fellowship, applications must be submitted by an eligible U.S. host institution. Applicants must:

1. identify a host sponsor (Principal Investigator);
2. be citizens of a NATO Partner Country; and
3. have been awarded a doctoral degree (Ph.D. or equivalent) on or after October 1, 1994 but normally no later than October 1, 1999.

HOW TO APPLY

Applications may be submitted in hard copy or electronically using the NSF FastLane Postdoctoral Research Fellowship process located under the following URL: http://www.fastlane.nsf.gov/. Electronic and hard copies of applications cannot be combined for submission.

General inquiries regarding NSF-NATO may be phoned to (703) 306-1696 or addressed via INTERNET to nsf-nato@nsf.gov. Specific questions regarding the FastLane process may be directed to Ms. Beverly Sherman at (703) 306-1145, ext. 4615 (email:felapp@nsf.gov). Photocopying of the application forms is permitted and individuals who post this notice are encouraged to share application material included with this notice.

WHERE TO GET MORE DETAILED INFORMATION AND APPLICATION MATERIALS

Electronic mail users who have access to INTERNET may order application materials by addressing requests to pubs@nsf.gov. Requests should include the NSF publication number (NSF 98-149), title, number of copies, requester’s name and a complete mailing address. Applications may be ordered by PHONE: (301) 947-2722. The NSF-NATO Home Page URL address is http://www.ehr.nsf.gov/EHR/DGE/nato.htm. Written requests for applications may be addressed to the NSF Publications Clearinghouse, P.O. Box 218, Jessup, MD 20794-0218.
On behalf of the North Atlantic Treaty Organization (NATO), the National Science Foundation (NSF) invites applications for 12-month postdoctoral fellowships from or on behalf of beginning scientists, mathematicians, and engineers. Women, underrepresented minorities, and persons with disabilities are particularly encouraged to apply. These Fellowships have the following goals:

• to promote the progress of science and closer collaboration between scientists and engineers of NATO member and NATO partner countries, and scientists and engineers in the United States; and

• to recognize the accomplishments to date of the beginning scientists and engineers and to provide an experience abroad which will increase professional competence.

Submission to this competition will be of two types:

• applications submitted by U.S. citizens, nationals, or permanent residents for postdoctoral research in other NATO member or NATO partner countries; or,

• proposals submitted by U.S. institutions on behalf of scientists or engineers from NATO partner countries for postdoctoral research at the submitting institution.

More detailed eligibility criteria are given below.

Award of these fellowships will be made for work in mathematics, engineering, computer and information science, geosciences, the physical, biological, social, behavioral, and economic sciences, the history and philosophy of science, and interdisciplinary areas comprised of two or more of these fields. Research in the teaching and learning of science, mathematics, technology, and engineering is also eligible for support.

NSF-NATO does not normally support technical assistance, pilot plan efforts, research requiring security classification, the development of products for commercial marketing or market research for a particular project or invention. Applicants working in clinical, education (except research in the teaching and learning of science, mathematics, technology and engineering) or business fields, or in history (except the history or philosophy of science), social work or public health, and individuals who propose to use the Fellowship to support residency training or similar work that may lead to qualification or certification in a clinical field are NOT eligible. These fellowships are not intended to support the preparation of prior research results for publication or the writing of textbooks as a primary objective.

Bioscience research with disease-related goals, including work on the etiology, diagnosis, or treatment of physical or mental diseases, abnormality, or malfunction in human beings or animals is normally not supported. Animal models of such conditions, or the development or testing of drugs or other procedures for their treatment also generally are not eligible for support. However, research in bioengineering with diagnosis or treatment-related goals, that applies engineering principles to problems in biology and medicine while advancing engineering knowledge is eligible for support. Bioengineering research to aid persons with disabilities is also eligible.

NSF-NATO Fellowships are administered by the National Science Foundation, an agency of the United States Government, at the request of the U.S. Department of State. Approximately 20 fellowships will be offered for research abroad and approximately 20 awards will be made to U.S. institutions that would like to host a Visiting Scientist from NATO Partner Countries.

Fellowship Opportunities for U.S. Citizens, Nationals or Permanent Residents

ELIGIBILITY CRITERIA

Applicant (U.S. Scientist) Eligibility

U.S. citizens, nationals, or permanent residents who hold such status on or before November 16, 1998 are eligible to apply for an NSF-NATO Postdoctoral Fellowship. In addition, eligible applicants:

a) must have been awarded a doctoral degree (Ph.D. or equivalent) on or after October 1, 1994 but normally no later than October 1, 1999; and

b) have not previously held an NSF-NATO Postdoctoral Fellowship.

Host Site Eligibility

Applicants may apply for scientific research at appropriate government and non-profit scientific institutions which are located in NATO Partner Countries: Albania, Armenia, Azerbaijan, Belarus, Bulgaria, Czech Republic, Estonia, Georgia, Hungary, Kazakhstan, Kyrgyz Republic, Latvia, Lithuania, Moldova, Poland, Romania, Russian Federation, Slovak Republic, Slovenia, Tajikistan, the former Yugoslav Republic of Macedonia, Turkmenistan, Ukraine, and Uzbekistan.

The term “national of the United States” designates a citizen of the United States or a native resident of a possession of the United States such as American Samoa. It does NOT refer to a citizen of another country who has applied for United States citizenship.
Tenure Limitations

A Fellow will have a full-time tenure of 12 months. Requests to divide tenure between two institutions should be clearly described in the application and will be handled on a case-by-case basis.

A recipient of a postdoctoral fellowship must begin tenure on or after June 1, 1999 but normally not later than October 1, 1999. If unforeseen circumstances delay completion of the Ph.D. degree requirement, a request for a delay of the start date will be considered. A person already working under another fellowship abroad at the time of application may request a delay of the start date in order to complete the previous fellowship as long as he/she remains at the same institution abroad. An awardee who declines a fellowship because he/she is unable to begin tenure by the specified time period may re-apply to the program as long as he/she remains eligible. This declination will not prejudice any subsequent application.

STIPENDS AND ALLOWANCES

The stipend is $2,750 per month for 12 months for the Fellow. Fellows are also provided with dependency allowances of $200 per month for a dependent spouse and for each of not more than two dependent children for 12 months. The level of funding of NSF-NATO stipends for Fellows will be determined based on the Fellow’s status at the time of application. Adjustment for individuals entitled to sabbatical leave pay or whose employer wishes to supplement the stipend to match regular salary will be considered. NSF-NATO funding in such instances will be determined on a case-by-case basis.

A travel allowance (paid at the beginning of the fellowship) will normally be offered to aid in defraying travel costs for the Fellow from the U. S. to the NATO fellowship institution to begin tenure and later to return. The total round trip travel allowance for fellows traveling overseas will be as follows: $2,500 for the Fellow; $2,500 for an accompanying spouse; and $1,000 each for up to two accompanying dependent children. For Fellows traveling to Canada, the travel allowance will be: $1,000 for the Fellow; $1,000 for an accompanying spouse; and $600 each for up to two accompanying dependent children. All travel must be by U. S. flag carriers if such service is available, even though other carriers may be more convenient or less expensive.

The fellowship institution, upon its request, will receive $1,200 ($100 for each month of the Fellow’s resident tenure, i.e., 12 months). This allowance is paid on behalf of the Fellow to assist the institution in meeting the cost of fees chargeable to the Fellow and in providing the Fellow with space, supplies and equipment.

In addition, the Fellow is provided with $1,200 ($100 for each month of tenure) to aid in defraying costs of research and special travel such as short visits to other laboratories or scientific meetings. This special allowance is expendable at the Fellow’s discretion and usually provided with the advance stipend and travel allowance.

REVIEW AND SELECTION

The NSF-NATO Fellowships Program is a multidisciplinary activity managed by the NSF Directorate for Education and Human Resources. An acknowledgment card will be sent to the applicant when the Foundation has recorded receipt of the application in its electronic system of records.

The review criteria for the application include:

Applicant’s Scientific Competence including achievements to date, particularly as attested by academic records and letters of recommendation.

Applicant’s Potential for Continued Professional Growth as demonstrated in the proposed plan of research from the standpoint of its appropriateness to the background and professional goals of the applicant and its feasibility within the time constraints imposed by tenure.

Applicant’s Potential for Furthering International Collaboration in Science including the factors that influenced the applicant’s selection of host institution and scientific advisor and the likelihood that the proposed plan of research might result in the establishment of a professional, working relationship between the applicant and one or more foreign scientists. In situations where English is not the primary language, consideration may be given to how communication is to be managed.

Selection of Fellows will be made by the National Science Foundation. All applicants will be notified by letter in March 1999 of the disposition of their applications. Applicants will receive verbatim copies of reviewers’ comments without the name and affiliation of the reviewer.

The selection of applicants will be primarily based on the applicants’ scientific ability and potential. Applications will be reviewed by multidisciplinary panels of scientists and engineers and may include consideration of factors related to science and engineering infrastructure, such as disciplinary, institutional, and geographic distribution and increased participation of women, underrepresented minorities and persons with disabilities.

APPLICATION PROCEDURES

The NSF-NATO application consists of five COMPLETE SETS of the application materials (signed original plus four copies), one copy of Supplementary Nominee Information (NSF Form 1225A - which MUST be returned) and four reference letters. Please staple each complete application set separately.
Type all forms. The type styles should be no smaller than 10 point font size. Margins may not be smaller than 2.5 cm except where margins are established on forms. Failure to comply with application procedures may make an application administratively ineligible, eliminating it from merit review. Do not send reprints, preprints, theses, budgets and/or any materials not specifically requested in this announcement.

With Internet access and a supported World Wide Web browser, an applicant can submit an application electronically using the NSF FastLane Postdoctoral Research Fellowship process. Referees of applicants who use FastLane can submit a Reference Report Form using FastLane. Security is provided to ensure that both applications and references can be seen only by authorized persons. The NSF Postdoctoral Research Fellowship process is on the NSF FastLane Home Page, which is located at the following URL: http://www.fastlane.nsf.gov/

To access the NSF FastLane Postdoctoral Research Fellowship Programs process and instructions on its use, click on the appropriate icon on the FastLane Home Page. Additional questions may be directed to Ms. Beverly Sherman at (703) 306-1145, ext. 4615 (email: felapp@nsf.gov).

A COMPLETE application must be submitted via FastLane or in hard copy by the published deadline. Electronic and hard copies of applications cannot be combined for submission.

Notice: You can submit your application electronically in its entirety ONLY IF you, your scientific advisor, and your referees have the appropriate software (e.g. Adobe Acrobat 3.0 or Ghostscript 5.10) to create PDF files. Otherwise, you must submit your application in hard copy. Application forms for hard copy submission may be obtained from the printed Guidelines (NSF 98-149), by printing them off the World Wide Web, or as a byproduct of FastLane. In the latter case, application forms can be filled out using FastLane procedures, and then printed for hard copy submission. Faxed submissions are not acceptable.

APPLICATION FORM

Each set of NSF-NATO application materials must be submitted in the numeric order listed below:

1. NSF-NATO Postdoctoral Fellow Cover Sheet (NSF Form 294 (10-95), 2-sided form provided)

The first side of the NSF-NATO Cover Sheet must be completed in accordance with the instructions on the reverse side of the form. NOTE: The permanent U. S. residence address, including zip code, must be given; college address may be used only if no other is available. The permanent address will be used in all correspondence concerning the fellowship application. The applicant is responsible for notifying the program of any changes of the permanent address.


The applicant’s name and the heading “Abstract of Doctoral Dissertation” should appear at the top of this page followed by a brief description of the doctoral dissertation.

3. Abstract of Proposed Plan of Research (Limit: 150 words)

The applicant’s name, title of research, and the heading “Abstract of Proposed Plan of Research” should appear at the top of this page followed by a brief description of not more than 150 words.

4. Proposed Plan of Research (Limit: 2 Pages, including footnotes)

The applicant’s name, title of research, and the heading “Proposed Plan of Research” should appear at the top of each page. The plan should be a relatively non-technical statement understandable by non-specialist experts. This statement should BRIEFLY include the applicant’s 1) educational objectives and 2) long-range professional goals. The applicant should describe in detail the activities expected to be undertaken during tenure and should also comment on the appropriateness of both the institution/country selected. Finally, the applicant should indicate what plans have been made to date for the projected tenure period.

5. Curriculum Vitae (Limit: 3 Pages)

The applicant’s name and the heading “Curriculum Vitae” should appear at the top of each page. This information MUST include (but is not limited to) the following sections in the following order:

A) Education. This section should list the applicant’s educational background beginning with undergraduate and including postdoctoral training under the following columns: Institution and Location; Degree; Year Conferred; Field of Study.

B) Academic Honors. This section should include fellowships, scholarships, teaching assistantships, mentoring activities, and other relevant positions held or awards received with dates and locations in reverse chronological order.

C) Foreign Languages. This section should indicate the proficiency in the language of the country in which the Fellow plans to conduct research, if other than English.

D) Employment and Experience. This section should begin with the applicant’s current position, (e.g. full-time graduate student, post-doctoral Fellow, lecturer, etc. and institution). Relevant professional history should be provided in reverse chronological order.

E) Research Accomplishments. This section should list any research previously pursued, giving the title and reference of any published works. List the titles of any unpublished work in process. Other accomplishments may include, but are not limited to, patent and software credits, papers pre-
sent at seminars, workshops, national or international meetings, etc.

F) Other Accomplishments. This section is optional and may include relevant information that the applicant wishes to provide to the reviewers.

6. Certification of Completion of the Ph.D. Degree (NSF Form 1405 (8-97) provided)

Provide proof of Ph.D. completion by submitting an OFFICIAL, SIGNED Certification of Completion of the Ph.D. degree with four copies. The signed certification should be attached to the ORIGINAL Application. If the applicant has not received the Ph.D. by the deadline date, the signed certification is to be submitted as soon as completion has occurred.

7. Letter of Support from the Host Scientific Advisor and/ or Institution

Provide a SIGNED letter of support from the proposed scientific advisor and/or institution acknowledging willingness to accept the applicant to conduct the proposed research.

REFERENCE LETTERS

Four references are required. At least two of the four references should be from persons with whom the applicant has worked in his/her major field, including the thesis advisor if possible. List the thesis advisor’s name first on the application’s Cover Page. Other referees should be in closely allied fields. It is important to send referees a copy of the proposed plan of research for their review and comment in the reference report. If the host advisor is writing an institutional support letter and he/she is also listed as a referee, a separate letter addressing the criteria listed in the following paragraph must be included.

Reference letters should CLEARLY indicate the applicant’s name and address and the review criteria, including comments on the following: mastery of fundamental knowledge in the applicant’s field, design of research projects, laboratory skills and technique, growth during period observed, creativity, originality, self-reliance and independence.

Before signing the letters, referees should indicate if they wish their comments to be held in confidence and their identity as authors of the letters not revealed. Otherwise, the Foundation may provide the comments to the applicants (if requested) under the Privacy Act of 1974.

A signed original and four copies of the letter should be sent by each referee to the APPLICANT in one sealed envelope. NSF does not provide envelopes for collecting references. It is recommended that the applicant provide each referee with a self-addressed, postage-paid return envelope prepared as follows:

MARK BOTH SIDES OF THE ENVELOPE “TO BE OPENED ONLY BY NSF.”

In the upper left-hand corner write:

The Referee’s First and Last Name
Street Address
City, State Zip Code

Address envelope:

To: NSF-NATO Postdoctoral Fellowships
C/o Name of Applicant
Institution/Department/Street Address
City, State Zip Code

It is the APPLICANT’S responsibility to collect reference letters and include them in the application package. References that are sent to NSF separately from the application material WILL NOT BE ACCEPTED.

DEADLINE FOR SUBMISSION OF APPLICATIONS

All application submissions must be postmarked or sent electronically by November 16, 1998. All sets of materials, forms and reference letters should be submitted as a single unit in a large envelope and addressed:

NSF-NATO Postdoctoral Fellowships
National Science Foundation
4201 Wilson Blvd. Suite 907N
Arlington, VA 22230

Special Fellowship Opportunities for Visiting Scientists from NATO Partner Countries

Scientists from NATO Partner Countries (Albania, Armenia, Azerbaijan, Belarus, Bulgaria, Czech Republic, Estonia, Georgia, Hungary, Kazakhstan, Kyrgyz Republic, Latvia, Lithuania, Moldova, Poland, Romania, Russian Federation, Slovak Republic, Slovenia, Tajikistan, the former Yugoslav Republic of Macedonia, Turkmenistan, Ukraine, and Uzbekistan) wishing to conduct research at U.S. institutions may apply for Special Fellowship Opportunities through a host U.S. institution. The primary goal of these fellowships is to promote the progress of science and closer collaboration between scientists, mathematicians, and engineers of NATO Partner Countries and scientists and engineers in the United States.

NSF-NATO Visiting Scientist Fellowships are administered by the National Science Foundation, an agency of the United States Government, at the request of the U. S. Department of State. Applications to support a Visiting Scientist from NATO Partner Countries may be subject to security review by the United States Committee on Exchanges (COMEX) according to government policy. This review may be necessary before the State Department will issue a visa. The U. S. host scientific advisor is responsible for obtaining research permits and import/export documents, where applicable. Approximately 20 awards will be offered for research in the United States.
Visiting Scientists must be working in their home country or in another NATO Partner Country at the time of application.

ELIGIBILITY CRITERIA

The following criteria will determine overall eligibility for consideration in the NSF-NATO Visiting Scientist Fellowships competition:

Applicant (Visiting Scientist) Eligibility

Citizens from NATO Partner Countries are eligible to be sponsored for an NSF-NATO Visiting Scientist Fellowship. In addition, eligible applicants must have been awarded a doctoral degree (Ph.D. or equivalent) on or after October 1, 1994 but normally not later than October 1, 1999. Former recipients of NSF-NATO Visiting Scientist Fellowships are not eligible for the program.

Host Site Eligibility

A Visiting Scientist must identify a specific U. S. scientific advisor holding a full-time position at a U. S. institution to serve as his/her sponsor. The U.S. scientific advisor will be the Principal Investigator (PI) on the fellowship application. The PI will be responsible for assuring the completeness of the application material. Visiting Scientists may conduct research at U. S. universities, scientific research laboratories, or government laboratories.

Tenure Limitations

A Fellow will have a full-time tenure of 12 months. The fellowship must begin on or after June 1, 1999 but normally not later than October 1, 1999. If unforeseen circumstances delay completion of the doctoral degree requirement or the expected start of tenure, a request for a delay of the start date will be considered. An awardee who declines a fellowship because he/she is unable to begin tenure by the specified time period, may re-apply to the program as long as he/she remains eligible. This declination will not prejudice any subsequent application.

STIPENDS AND ALLOWANCES

Fellowships for Visiting Scientists are made to U. S. institutions and not to individuals. The host institution will be responsible for the disbursement of all funds associated with a fellowship award. The stipend is $2,750 per month for 12 months for the Fellow. Fellows are also provided with dependency allowances of $200 per month for a dependent spouse and for each of not more than two dependent children for 12 months. The level of funding of NSF-NATO stipends for Fellows will be determined based on the Fellow’s status at the time of application. Fellows are entitled to the full stipend and special research allowance provided by the fellowship. OVERHEAD EXPENSES TO INSTITUTIONS ARE NOT PROVIDED AS PART OF THE FELLOWSHIP.

A travel allowance will normally be offered to aid in defraying travel costs from the Visiting Scientist’s place of residence in the Partner Country, at the time of application, to the U.S. host institution to begin tenure and later to return. The total round trip travel allowance will be as follows: $3,000 for the Fellow; $3,000 for an accompanying spouse; and $1,200 each for up to two accompanying dependent children.

The Visiting Scientist is also provided with a special allowance of $1,200 ($100 for each month of tenure) to aid in defraying costs of research and special travel such as short visits to other laboratories or scientific meetings. This is to be expendable at the Fellow’s discretion in accordance with host institution’s disbursement policies.

REVIEW AND SELECTION

The NSF-NATO Visiting Scientist Initiative is a multidisciplinary activity managed by the NSF Directorate for Education and Human Resources. An acknowledgment card will be sent to the scientific advisor (PI) in the U. S. when the Foundation has recorded receipt of the application in its electronic system of records.

The review criteria for the application include:

**Visiting Scientist’s Professional Competence** in science and engineering, including achievements to date, particularly as attested by academic records and the Sponsor Statement.

**Visiting Scientist’s Potential for Continued Professional Growth**, as demonstrated in the proposed plan of research from the standpoint of its appropriateness to the background and professional goals of the Visiting Scientist and its feasibility within the time constraints imposed by tenure.

**Visiting Scientist’s Potential for Furthering International Collaboration in Science**, including the factors that influenced the applicant’s selection of host institution and scientific advisor/mentor and the likelihood that the proposed plan of research might result in the establishment of a professional, working relationship between the host scientist and the Visiting Scientist. Consideration will be given to the English language proficiency of the Visiting Scientist.

The U. S. host institution must demonstrate that adequate accommodations and resources will be made available to the visiting scientist.

Selection of Visiting Scientist awardees will be made by the National Science Foundation. Principal Investigators at host institutions as well as all applicants will be notified by letter in March 1999 of the disposition of their fellowships. Applicants will receive verbatim copies of reviewers’ comments without the name and affiliation of the reviewer.

The selection of awardees will be primarily based on the Visiting Scientist’s ability and potential for professional growth. Applications will be reviewed by multidisciplinary panels of scientists and engineers and may include consideration of factors related to science and engineering infrastructure, such as disciplinary, institutional and geographical distribution.
APPLICATION PROCEDURES

The NSF-NATO Visiting Scientist application consists of five COMPLETE SETS of the application materials (signed original plus four copies) and one copy of Supplementary Nominee Information (NSF Form 1225A - which MUST be returned), completed by the scientific advisor for the Visiting Scientist. The host institution is responsible for assuring the completeness of application materials. However, it is the Visiting Scientist’s responsibility to provide all the appropriate sections to be included in the application. Please staple each complete application set separately. Type all forms. Type styles should be no smaller than 10 point font size. Margins may not be smaller than 2.5 cm except where margins are established on forms. Failure to comply with application procedures may make an application administratively ineligible, eliminating it from merit review.

SUBMISSION OF ELECTRONIC APPLICATIONS

With Internet access and a supported World Wide Web browser, applications may be submitted electronically using the NSF FastLane Postdoctoral Research Fellowship process. Refer- ees of applicants who use FastLane can submit a Reference Report Form using FastLane. Security is provided to ensure that both applications and references can be seen only by authorized persons. The Visiting Scientist must begin the application and give the scientific advisor the access PIN. The scientific advisor accesses the Sponsoring Scientist Statement using the access PIN. Both the Visiting Scientist and the scientific advisor have access to all the application forms. However, as is the case of hard copy submissions, the scientific advisor submits the application on behalf of the Visiting Scientist. The Visiting Scientist component of the NSF Postdoctoral Research Fellowship process is on the NSF FastLane Home Page, which is located at the following URL: http://www.fastlane.nsf.gov/

To access the NSF FastLane Postdoctoral Research Fellowship Programs process and instructions on its use, click on the appropriate icon on the FastLane Home Page. Additional questions may be directed to Ms. Beverly Sherman at (703) 306-1145, ext. 4615 (email: felapp@nsf.gov).

A COMPLETE application must be submitted via FastLane or in hard copy by the published deadline. Electronic and hard copies of applications cannot be combined for submission.

Notice: You can submit your application electronically in its entirety ONLY IF you, your scientific advisor, and your referees have the appropriate software (e.g. Adobe Acrobat 3.0 or Ghostscript 5.10) to create PDF files. Otherwise, you must submit your application in hard copy. Application forms for hard copy submission may be obtained from the printed Guidelines (NSF 98-149), by printing them off the World Wide Web, or as a byproduct of FastLane. In the latter case, application forms can be filled out using FastLane procedures, and then printed for hard copy submission. Faxed submissions are not acceptable.

APPLICATION SETS

Each set of NSF-NATO Visiting Scientist application materials should be submitted in stapled sets corresponding to the numeric order listed below:

1. Cover Sheet for Proposal to the National Science Foundation (NSF Form 1207 (7/95))

This form must be completed by the scientific advisor at the U. S. institution that is submitting the application on behalf of the Visiting Scientist with FULLY signed certifications. In the first box on the upper left-hand corner of the cover page entitled For Consideration by NSF Organization Unit(s), type “DGE/EHR/NSF-NATO POSTDOCTORAL FELLOWSHIP.”

2. NSF-NATO Postdoctoral Fellow Cover Sheet (NSF Form 294 (10/95), 2-sided form provided)

In addition to the NSF Form 1207, the NSF Form 294 (10/95) MUST BE COMPLETED. The first side of the NSF-NATO Cover Sheet must be completed in accordance with the instructions on the reverse side of the form. NOTE: Current address is the address where the Visiting Scientist resides in the NATO Partner Country; Permanent U. S. address should be the host university address.


The host institution’s name, the Visiting Scientist’s name and the heading “Abstract of Doctoral Dissertation” should appear at the top of this page followed by a brief description of the doctoral dissertation.

4. Abstract of Proposed Plan of Research (Limit: 150 words)

The host institution’s name, the Visiting Scientist’s name, title of research, and the heading “Abstract of Proposed Plan of Research “ should appear at the top of this page followed by a brief description of not more than 150 words.

5. Proposed Plan of Research (Limit: 2 Pages)

The host institution’s name, the Visiting Scientist’s name, title of research, and the heading “Proposed Plan of Research “ should appear at the top of each page. The plan should be a relatively non-technical statement understandable by non-specialist experts. This statement should BRIEFLY include the Visiting Scientist’s 1) educational objectives and 2) long-range professional goals. The plan should describe in detail the activities expected to be undertaken during tenure by the Visiting Scientist and the appropriateness of the institution selected. Finally, indicate what plans have been made to date for the projected tenure period (e.g. comments on previous contacts with host advisor/institution.)

6. Curriculum Vitae (Limit: 3 Pages)

The host institution’s name, the Visiting Scientist’s name and the heading “Curriculum Vitae” should appear at the top of each page. This curriculum vitae MUST include (but is not limited to) the following sections in the following order:

A) Education. This section should list the applicant’s edu-
including postdoctoral training under the following columns: Institution and Location; Degree; Year Conferred; Field of Study.

B) Academic Honors. This section should include fellowships, scholarships, teaching assistantships, mentoring activities, and other relevant positions held or awards received with dates and locations in reverse chronological order.

C) Foreign Languages. This section should indicate the proficiency of the Visiting Scientist in English.

D) Employment and Experience. This section should begin with the Visiting Scientist’s current position. Relevant professional history should be provided in reverse chronological order.

E) Research Accomplishments. This section should list any research previously pursued, giving the title and reference of any published works. List the titles of any unpublished work in process. The PI will determine the appropriateness of all journal publications. Other accomplishments may include, but are not limited to, patent and software credits, papers presented at seminars, workshops, national or international meetings, etc.

F) Other Accomplishments. This section is optional and may include relevant information about the Visiting Scientist that the PI wishes to provide to the reviewers.

7. Certification of Completion of the Ph.D. Degree (NSF Form 1405 (8-97) provided)

Provide proof of Ph.D. completion by submitting an OFFICIAL, SIGNED Certification of Completion of the Ph.D. degree with four copies. The signed certification should be attached to the ORIGINAL Application. If the applicant has not received the Ph.D. by the deadline date, the signed certification is to be submitted as soon as completion has occurred.

8. Sponsor Statement from U. S. Host Institution

A statement of support from the U. S. host scientific advisor (PI) is required. Verification of resources being made available to the Visiting Scientist (e.g., housing, supplementary travel, equipment, and facilities to be provided by the host institution) should be included in this statement. The scientific advisor should also indicate why the Visiting Scientist would benefit from such a research opportunity and what contribution this scientist would make. Any host institution financial commitment of support to the Visiting Scientist should also be described. The sponsor statement should be prepared in lieu of references, but should address the same issues that reference writers would. The scientific advisor should seek input from whatever sources it deems appropriate, and may attach to this statement any external references it chooses.

REFERENCE LETTERS

If references are included, referees should comment on the Visiting Scientist’s ability to carry out a research project, his/her creativity, originality, ability to work with others in a laboratory setting, adaptability to new environments, self reliance and independence. Up to four references may be included if the scientific advisor wishes to add to the information with the Sponsor Statement from the U.S. host institution.

DEADLINE FOR SUBMISSION OF APPLICATIONS

All application submissions must be postmarked or sent electronically by November 16, 1998. All sets of materials, forms and reference letters should be submitted as a single unit in a large envelope and addressed:

National Science Foundation
NSF-NATO Postdoctoral Fellowships
National Science Foundation
4201 Wilson Blvd., Suite 907N
Arlington, VA 22230

INQUIRIES

General inquiries regarding this activity, excluding requests for copies of this or other NSF publications, may be addressed to NSF-NATO Postdoctoral Fellowships, Suite 907N, 4201 Wilson Blvd., Arlington, VA 22230. The telephone number is (703) 306-1696 and the fax number is (703) 306-0468. The NSF-NATO Home Page URL address is http://www.ehr.nsf.gov/EHR/DGE/nato.htm. Requests for information via email may be addressed to nsf-nato@nsf.gov

Copies of this or any other NSF publication, may be obtained from the NSF Publications Clearinghouse. The NSF-NATO announcement number is: NSF 98-149. For descriptions and telephone numbers for NSF activities request a copy of the annual Guide to Programs (NSF 97-150) from the, NSF Publications Clearinghouse, P.O. Box 218, Jessup, MD 20794-0218, telephone number (301) 947-2722.
<table>
<thead>
<tr>
<th>Proposed Major Field of Study (see Instruction 1): (NAME ONLY)</th>
<th>NSF PROPOSAL NUMBER</th>
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<tr>
<td>Proposed Specialization Field (see Instruction 2):</td>
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<td>Name: (member)</td>
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<tr>
<td>Applicant's Last Name, First, Middle Initial</td>
<td>Social Security Number*</td>
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<tr>
<td>Current Address (Street, City, State, Zip)</td>
<td>Permanent Address (See Instruction 3)</td>
</tr>
<tr>
<td>Applicant's Phone Number (Include Area Code)</td>
<td>Applicant's E-Mail Address (if known)</td>
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<tr>
<td>Please Check One. US Permanent Residents must list their residency number. (see Instruction 4)</td>
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<tr>
<td>☐ US Citizen</td>
<td>☐ Permanent Resident</td>
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<td>☐ Cooperation Partner Citizenship (List Country)</td>
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<tr>
<td>Ph.D. Degree Date (Expected or Earned) (mo./yr.):</td>
<td>Ph.D. Field (See Instruction 5)</td>
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<tr>
<td>Name of Proposed Fellowship Institution (Instruction 6)</td>
<td>Location of Institution (City &amp; COUNTRY)</td>
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<tr>
<td>Scientific Advisor at Proposed Institution (if known)</td>
<td>Applicant's Present Position (Student or Specify Other (Instruction 7)</td>
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<td>Applicant's Current Institution (Instruction 8)</td>
<td>Type of Institution (Instruction 8)</td>
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<tr>
<td>The following referees have been asked to write on behalf of the Applicant. (List thesis advisor first, if possible, and indicate with asterisk.)</td>
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<td>Referee A: ________________________________________________</td>
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<td>Desired Tenure (Number of Months):</td>
<td>Number of Dependents in Addition to Self (Do not count self):</td>
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<td>☐ Permanent Resident</td>
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<td>☐ Cooperation Partner Country</td>
<td></td>
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<tr>
<td>Original(s) plus copies all transcripts ☐ yes ☐ no</td>
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*Submission of Social Security Number is voluntary, but they are integral to the NSF Information system and speed processing.

For NSF Use Only: ( ) Date ( ) Copies ( ) Form 1225
( ) Citizen/Resident ( ) Ph.D. Year Eligible: yes ( ) no ( )
( ) Citizen Cooperation Partner Country

NSF Form 294 (10/1995)
Form Approved OMB No. 3145-0023
INSTRUCTIONS FOR COMPLETING APPLICATION

Read the NSF-NATO Announcement carefully before completing this Cover Sheet to determine applicant eligibility. Listed below are specific instructions for some questions found on page 1 of this Cover Sheet. Be sure to answer all questions on BOTH sides of this Cover Sheet.

1. Proposed Major Field should be one of the following: Life Sciences, Mathematics, Physics and Astronomy, Chemistry and Materials, Earth Sciences, Environmental Sciences, Applied Sciences and Engineering, and Social and Behavioral Sciences.

2. Proposed Specialization Field. Select proposed field and enter its number on the designated line and its name in the designated space. If the "other" category applies, list the appropriate code number and write the name of the specialized field.

3. Applicants MUST give a permanent address in the United States that will be used for all correspondence. The applicant is responsible for notifying the program of any changes of the permanent address.

4. Applicants MUST be US citizens, nationals, or permanent residents of the United States or citizens of a Cooperation Partner Country.

5. Ph.D. Field should be selected from the list below in Fields of Specialization.

6. Name of Proposed Fellowship Institution: Many institutions are part of a larger organization such as a university. Specify the name of the larger organization.

7. Designate present position/rank at current institution—e.g. graduate student, postdoctoral fellow, staff (Government, private, industry), self-employed, etc.

8. State the NAME and TYPE (e.g. academic, private, federal, etc.) of institution of current affiliation.

Fields of Specialization

1. LIFE SCIENCES
   BIOLOGY
   101 Animal physiology
   102 Biochemistry and biophysics
   103 Biotechnology
   104 Cell biology and physiology, microbiology
   105 Developmental biology and zoology
   106 Ecosystems, landscapes and environment
   107 Molecular biology and genetics, virology
   108 Neurosciences, cognition and psychology
   109 Plant biology; botany, physiology and pathology
   110 Population biology and genetics, evolution
   111 Biology (other)

   2. MATHEMATICS, PHYSICS AND ASTRONOMY
      MATHEMATICS
      201 Algebra and number theory
      202 Analysis
      203 Biomathematics
      204 Computational mathematics and numerical analysis
      205 Discrete Mathematics
      206 Geometry and topology
      207 Logic and foundations of mathematics
      208 Mechanics and mathematical physics
      209 Optimization and control theory
      210 Probability
      211 Mathematics (other)

      PHYSICS
      212 Acoustics
      213 Atomic and molecular physics
      214 Condensed matter physics
      215 Electromagnetism, plasmas and electric discharges
      216 Elementary particles and fields
      217 Fluid dynamics
      218 General physics
      219 Mathematical physics
      220 Nuclear physics
      221 Optics
      222 Statistical physics
      223 Physics (other)

      ASTRONOMY AND ASTROPHYSICS
      241 Astronomy
      242 Astrophysics
      243 Cosmology
      244 Space and Planetary Physics
      245 Astronomy and astrophysics (other)
      250 Physical and Mathematical Sciences (non-specific)

   3. CHEMISTRY MATERIALS
      CHEMISTRY
      301 Analytical biochemistry
      302 Analytical chemistry
      303 Bio-inorganic chemistry
      304 Bio-organic chemistry
      305 Biochemical physics
      306 Catalysis
      307 Chemical knowledge
      308 Electro chemistry
      309 Inorganic chemistry
      310 Organic chemistry
      311 Physical chemistry
      312 Polymer chemistry
      313 Solid-state chemistry
      314 Theoretical chemistry

      315 Chemistry (other)

      MATERIALS SCIENCES
      316 Ceramics, inorganic materials
      317 Corrosion, chemical degradation
      318 Electrical, magnetic and optical properties
      319 Mechanical and thermal properties
      320 Metals and alloys
      321 Polymers
      322 Structure, composition and properties
      323 Materials science (other)

      324 Metals and alloys
      325 Polymers
      326 Solids
      327 Structure, composition and properties
      328 Materials science (other)

      329 Chemistry and Materials (non-specific)

   4. EARTH SCIENCES
      SOLID EARTH
      401 Engineering geology
      402 Geochemistry
      403 Geology
      404 Geomorphology
      405 Geophysics
      406 Hydrology and hydrogeology
      407 Mineralogy and petrology
      408 Paleontology and paleobotany
      409 Remote sensing and detection
      410 Sedimentology and stratigraphy
      411 Soil science
      412 Solid earth (other)

      ATMOSPHERIC SCIENCE
      413 Air circulation
      414 Climate
      415 Climate dynamics
      416 Climatic history
      417 Climatological processes
      418 Clouds and radiation
      419 Clouds and radiation science
      420 Clouds and radiation science (other)

      OCEANOGRAPHY
      421 Air-sea interaction
      422 Biological oceanography
      423 Chemical oceanography
      424 Hydrography
      425 Physical oceanography
      426 Oceanography (other)

   5. ENVIRONMENTAL SCIENCES
      501 Air
      502 Disasters
      503 Ecosystems
      504 Environmental change
      505 Environmental chemistry
      506 Environmental policy
      507 Noise
      508 Soil
      509 Waste
      510 Water
      511 Water (other)
      512 Environmental sciences (other)
      513 Water (other)
      514 Environmental Sciences (non-specific)

   6. APPLIED SCIENCES AND ENGINEERING
      ENGINEERING
      601 Aeronautical and astronomical engineering
      602 Airframe and propulsion
      603 Bioengineering
      604 Biomedical engineering
      605 Ceramic engineering
      606 Chemical engineering

      607 Civil engineering
      608 Electrical engineering
      609 Energy
      610 Engineering mechanics
      611 Engineering mechanics
      612 Industrial engineering
      613 Mechanical engineering
      614 Metallurgical engineering
      615 Mining engineering
      616 Nuclear engineering
      617 Petroleum engineering
      618 Sanitary engineering
      619 Engineering (other)

      SYSTEMS SCIENCE
      621 Artificial intelligence and knowledge-based systems
      622 Computer databases and banks
      623 Human-computer interaction
      624 Operating systems and networks
      625 Software and requirements engineering
      626 Theory and mathematics of computing
      627 Computer science (other)

      INFORMATION SCIENCE
      631 Automatic control
      632 Operational research
      633 Systems analysis
      634 Systems engineering
      635 Systems science (other)

      636 Diverse Applied Sciences (non-specific)

   7. SOCIAL AND BEHAVIORAL SCIENCES
      SOCIAL SCIENCES
      701 Economic and social history
      702 Economics (Bus. Admin. NOT eligible)
      703 Education
      704 Environmental planning
      705 Human geography
      706 Linguistics
      707 Management and business studies
      708 Political Science and international relations
      709 Science and technology policy
      710 Social administration
      712 Social anthropology
      713 Social psychology
      714 Socio-legal studies
      715 Sociology (Social Work NOT eligible)
      716 Social science (other)

      BEHAVIORAL SCIENCES
      721 Archeology
      722 Developmental science
      723 Ergonomics and human engineering
      724 Human factors
      725 Organizational science
      726 Personality
      727 Psychology
      728 Psychobiology
      729 Behavioral science (other)

      999 Not Listed (Specify)

Have you applied for any other fellowships or similar appointment for all or part of tenure herein requested? If so, please specify

By my signature below, I hereby certify that the information that I have provided in this application is correct to the best of my knowledge.

Signature of Applicant ____________________________ Date: ____________________________
## Cover Sheet for Proposal to the National Science Foundation

### For NSF Use Only

- **NSF Proposal Number**

### Date Received

- **Number of Copies**
- **Division Assigned**
- **Fund Code**
- **File Location**

### Employer Identification Number (EIN) or Taxpayer Identification Number (TIN)

- **Show Previous Award No. If This Is a Renewal or An Accomplishment-Based Renewal**
- **Is This Proposal Being Submitted to Another Federal Agency?**
  - Yes
  - No

### Name of Organization to Which Award Should Be Made

- **Address of Awardee Organization, Including ZIP Code**

### Awardee Organization Code (If Known)

### Name of Performing Organization, If Different From Above

- **Address of Performing Organization, If Different, Including ZIP Code**

### Is Awardee Organization (Check all that apply)

- For-Profit Organization
- Small Business
- Minority Business
- Woman-Owned Business

### Title of Proposed Project

### Requested Amount

- **$**

### Proposed Duration (1-60 Months)

- **Months**

### Requested Starting Date

### Check Appropriate Box(es) If This Proposal Includes Any of the Items Listed Below

- Beginning Investigator (GPG I.A.3)
- Disclosure of Lobbying Activities (GPG I.D.1)
- Proprietary & Privileged Information (GPG I.D.10)
- National Environmental Policy Act (GPG I.D.12)
- Historical Places (GPG I.D.10)
- Small Grant for Explor. Research (SGER) (GPG I.D.12)
- Group Proposal (GPG I.D.12)
- Vertebrate Animals (GPG II.D.12) IACUC App. Date
- Human Subject (GPG II.D.12)
- International Cooperative Activities:
  - Country/Countries
- Exemption No. or IRB App. Date
- Facilitation for Scientists/Engineers W/Disabilities (GPG V.G.)
- Research Opportunity Award (GPG V.H.)

### PI/PD Department

- **PI/PD Postal Address**

### PI/PD Fax Number

### Names (Typed)

- **Social Security No.*
- High Degree, Yr.
- Telephone Number
- E-Mail Address

### PI/PD Name

### CO-PI/PD

### Note: The Fully Signed Certification Page Must Be Submitted Immediately Following This Cover Sheet

*Submission of Social Security Numbers Is Voluntary and Will Not Affect the Organization's Eligibility for an Award. However, They Are an Integral Part of the NSF Information System and Assist in Processing the Proposal. SSN Solicited Under Act of 1950, as Amended.*
Certification for Principal Investigators and Co-Principal Investigators

I certify to the best of my knowledge that:

(1) the statements herein (excluding scientific hypotheses and scientific opinions) are true and complete, and
(2) the text and graphics herein as well as any accompanying publications or other documents, unless otherwise indicated, are the original work of the signatories or individuals working under their supervision. I agree to accept responsibility for the scientific conduct of the project and to provide the required progress reports if an award is made as a result of this application.

I understand that the willful provision of false information or concealing a material fact in this proposal or any other communication submitted to NSF is a criminal offense (U.S. Code, Title 18, Section 1001).

Name (Typed)  Signature  Date
PI/PD
Co-PI/PD
Co-PI/PD
Co-PI/PD
Co-PI/PD

Certification for Authorized Organizational Representative or Individual Applicant

By signing and submitting this proposal, the individual applicant or the authorized official of the applicant institution is: (1) certifying that statements herein are true and complete to the best of his/her knowledge; and (2) agreeing to accept the obligations to comply with NSF award terms and an award is made as a result of this application. Further, the applicant is hereby providing certifications regarding Federal debt status, debarment and suspension, drugfree workplace, and lobbying activities (see below), as set forth in the Grant Proposal Guide (GPG), NSF 95-27. Willful provision of false information in this application and its supporting documents or in reports required under an ensuing award is a criminal offense (U.S. Code, Title Section 1001).

In addition, if the applicant institution employs more than fifty persons, the authorized official of the applicant institution is certifying that the institution implemented a written and enforced conflict of interest policy that is consistent with the provisions of Grant Policy Manual Section 510; that to the best of his/her knowledge, all financial disclosures required by that conflict of interest policy have been made; and that all identified conflicts of interest will be satisfactorily managed, reduced or eliminated prior to the institution's expenditure of any funds under the award, in accordance with the conflict of interest policy. Conflicts, which cannot be satisfactorily managed, reduced or eliminated, must be disclosed to NSF.

Debt and Debarment Certifications

(If answer "yes" to either, please provide explanation)

Is the organization delinquent on any Federal debt? Yes ☐ No ☐

Is the organization or its principals presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal Department or agency? Yes ☐ No ☐

Certification Regarding Lobbying

This certification is required for an award of a Federal contract, grant or cooperative agreement exceeding $100,000 and for an award of a Federal loan a commitment providing for the United States to insure or guarantee a loan exceeding $150,000.

Certification for Contracts, Grants, Loans and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement

(2) If any funds other than Federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements and that all subrecipients shall certify and disclose.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

AUTHORIZED ORGANIZATION REPRESENTATIVE  SIGNATURE  DATE
NAME/TITLE (TYPED)
TELEPHONE NUMBER  ELECTRONIC MAIL ADDRESS  FAX NUMBER
DO NOT DUPLICATE THIS PAGE AS PART OF THE PROPOSAL

Every prospective grantee must complete the section on certification on the Cover Sheet (NSF Form 1207, (Rev. 7/95)) submitted with each proposal. Instructions for the two certifications are below:

INSTRUCTIONS ON CERTIFICATION OF NON-DELINQUENCY BY APPLICANTS FOR FEDERAL ASSISTANCE

Pursuant to OMB Circular A-129, "Except where required by law or approved by the head of the agency, no award of Federal funds shall be made to an applicant who is delinquent on a Federal debt until the delinquent account is made current or satisfactory arrangements are made between affected agencies and the debtor." The certification of non-delinquency applies only to the organization requesting financial assistance and not to the individual Principal Investigator.

For the purposes of this certification, the following definitions of delinquency apply:
- Direct loans—a debt more than 31 days past due on a scheduled payment.
- Grants—recipients of a "Notice of Grants Cost Disallowance" who have not repaid the disallowed amount or who have not resolved the disallowance.
- Guaranteed and insured loans—recipients of a loan guaranteed by the Federal Government that the Federal Government has repurCHASEd from a lender because the borrower breached the loan agreement and is in default.

Examples of debts include delinquent taxes, audit disallowances, guaranteed and direct student loans, housing loans, farm loans, business loans, Department of Education institutional loans, benefit overpayments, and other miscellaneous administrative debts.

INSTRUCTIONS ON CERTIFICATION REGARDING DEBARMENT AND SUSPENSION

1. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.

2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency’s determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.

3. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause of default.

4. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if at any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

5. The terms covered transaction, debarred, suspended ineligible, lower tier covered transaction, participant, person, primary covered transaction, principal, proposal, and voluntarily excluded, as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department or agency to which this proposal is being submitted for assistance in obtaining a copy of those regulations.

6. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

7. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled “Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion—Lower Tier Covered Transaction,” provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause.

The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

10. Except for transactions authorized under paragraph 6 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is debarred, suspended, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

CERTIFICATION

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
   (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
   (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
   (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
   (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.
Instructions for Certification

1. By signing the NSF Proposal Cover Sheet, NSF Form 1207, and submitting this application or grant agreement, the grantee is providing the certifications set out below.

2. The certification set out below is a material representation of fact upon which reliance was placed when the agency determined to award the grant. If it is later determined that the grantee knowingly rendered a false certification, or otherwise violates the requirements of the Drug-Free Workplace Act, the agency, in addition to any other remedies available to the Federal Government, may take action authorized under the Drug-Free Workplace Act.

3. For grantees other than individuals, Alternate I applies.

4. For grantees who are individuals, Alternate II applies.

Certification Regarding Drug-Free Workplace Requirements

Alternate I (Grantees Other Than Individuals)

The grantee certifies that it will or will continue to provide a drug-free workplace by:

(a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the grantee’s workplace and specifying the actions that will be taken against employees for violation of such prohibition;

(b) Establishing an ongoing drug-free awareness program to inform employees about—
   (1) The dangers of drug abuse in the workplace;
   (2) The grantee’s policy of maintaining a drug-free workplace;
   (3) Any available drug counseling, rehabilitation and employee assistance programs; and
   (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;

(c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);

(d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will—
   (1) Abide by the terms of the statement; and
   (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;

(e) Notifying the agency in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction.

Employers of convicted employees must provide notice, including position, title, to every grant officer or other designee on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;

(f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted—
   (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
   (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;

(g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a), (b), (c), (d), (e) and (f).

Alternate II (Grantees Who Are Individuals)

(a) The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance in conducting any activity with the grant.

(b) If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to every grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number(s) of each affected grant.

(For NSF, grantee notification should be made to the Cost Analysis/Audit Resolution Branch, Division of Contracts, Policy & Oversight, NSF, Arlington, VA 22230)
Dear Fellow:

Please be advised that before any NSF-NATO Postdoctoral Fellowship funds can be issued we need to verify that you have received your Ph.D. or that you have completed the work necessary for your doctorate. Two forms of certification are acceptable:

1. You may send an OFFICIAL transcript showing the date the Ph.D. was awarded, or

2. The dean of the Graduate School (or other proper official at your institution) may complete this sheet by filling in information in the appropriate places below:

A) __________________________________________________________received the Ph.D. degree from 
   (Name of Student) 
   ___________________________________________________________ on __________________________.
   (Name of Institution) (Date)

OR

B) __________________________________________________________completed all the academic requirements
   (Name of Student) for the Ph.D. degree at ______________________________________ on __________________________.
   (Name of Institution) (Date)

   (Signature, Dean of Graduate School and/or other proper official at your institution)

   __________________________________________
   (Name of Institution) (Date)

Please return this sheet or your official transcript to the address above as soon as possible.
Thank You. (Note: Do not fax; we need original signature.)
**SUPPLEMENTARY NOMINEE INFORMATION**

Submit only ONE copy of this form. Attach it on top of the cover page of the copy that bears the original signatures. Leave the back of the page blank. **Do not include this form with any of the other copies, as this may compromise the confidentiality of the information.**

Please check the appropriate answers to each question for the nominee:

1. Is this person 
   - Female
   - Male

2. Is this person a 
   - U.S. Citizen
   - Permanent Resident
   - Other non-U.S. Citizen

3. Which one of these categories best describes this person's ethnic/racial status? (If more than one category applies, use the category that most closely reflects the person's recognition in the community.)
   - American Indian or Alaska Native
   - Asian
   - Black, not of Hispanic Origin
   - Hispanic
   - Pacific Islander
   - White, not of Hispanic Origin

4. Does this person have a disability* which limits a major life activity?
   - Yes
   - No

Check here if this person does not wish to provide some or all of the above information.

Required: Check here if this person is currently serving (or has previously served) as PI, Co-PI or PD on any Federally funded project.

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**AMERICAN INDIAN OR ALASKAN NATIVE:** A person having origins in any of the original peoples of North America, and who maintains cultural identification through tribal affiliation or community recognition.

**ASIAN:** A person having origins in any of the original peoples of East Asia, Southeast Asia, and the Indian subcontinent. This area includes, for example, China, India, Indonesia, Japan, Korea, and Vietnam.

**BLACK, NOT OF HISPANIC ORIGIN:** A person having origins in any of the black racial groups of Africa.

**HISPANIC:** A person of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race.

**PACIFIC ISLANDER:** A person having origins in any of the original peoples of Hawaii; the U.S. Pacific Territories of Guam, American Samoa, and the Northern Marianas; the U.S. Trust Territory of Palau; the islands of Micronesia and Melanesia; and the Philippines.

**WHITE, NOT OF HISPANIC ORIGIN:** A person having origins in any of the original peoples of Europe, North Africa, or the Middle East.

*Disabled: A person having a physical or mental impairment that substantially limits one or more major life activities; who has a record of such impairment; or who is regarded as having such impairment.

**WHY THIS INFORMATION IS BEING REQUESTED:**

The Federal Government has a continuing commitment to monitor the operation of its review and award processes to identify and address any inequities based on gender, race, ethnicity or disability of the nominee. To gather the information needed for this important task, you should submit a single copy of this form; however, submission of the requested information is not mandatory and is not a precondition of award. Any individual not wishing to provide the information should check the box provided for this purpose. (The exception is information about previous Federal support, the last question above).

Information from this form will be retained by Federal agencies as an integral part of their Privacy Act Systems of Records in accordance with the Privacy Act of 1974. These are confidential files accessible only to appropriate Federal agency personnel and will be treated as confidential to the extent permitted by law. Data submitted will be used in accordance with criteria established by the respective Federal agency for awarding grants for research and education, and in response to Public Law 99-383 and 42 USC 1885c.

NSF Form 1225A (6/90)
For NSF-NATO Applicants:
- One (1) copy of the Supplementary Nominee Information Form, (NSF 1225A) must be completed and returned along with your NSF-NATO application materials.
- Four (4) references. References in referee-sealed envelopes
- Five (5) COMPLETE SETS (signed original plus four (4) copies) of application materials. Each COMPLETE SET must be stapled in the following order:
  - NSF-NATO Postdoctoral Fellow Cover Sheet, NSF Form 294 (10/95)
  - Abstract of Doctoral Dissertation (1 page)
  - Abstract of Proposed Plan of Research (150 words or less)
  - Proposed Plan of Research (2 pages, including footnotes)
  - Curriculum Vitae (3 pages)
  - Certification of Completion of Ph.D. Degree Form, NSF Form 1405 (8/97)
  - SIGNED Letter of Support from Host Advisor and/or Institution

For NSF-NATO Visiting Scientists Applications:
- One (1) copy of the Supplementary Nominee Information Form, (NSF 1225A) must be completed and returned along with your NSF-NATO application materials.
- Five (5) COMPLETE SETS of the application materials (signed original plus four (4) copies), completed by YOUR host advisor. The host institution is responsible for assuring the completeness of your application materials. Please staple each complete application set in the following order:
  - NSF Form 1207 (7/95) Cover Sheet for Proposal to the National Science Foundation
  - NSF-NATO Postdoctoral Fellow Cover Sheet, NSF Form 294 (10/95)
  - Abstract of Doctoral Dissertation (1 page)
  - Abstract of Proposed Plan of Research (150 words or less)
  - Proposed Plan of Research (2 pages, including footnotes)
  - Curriculum Vitae (3 pages)
  - Certification of Completion of Ph.D. Degree Form, NSF Form 1405 (8/97)
  - SIGNED Sponsor Statement from US Host Institution

For all NSF-NATO Applicants DO NOT SEND reprints, preprints, theses, budgets, and/or any materials not specifically requested in this announcement.
Ordering Publications by Electronic Mail or Fax

The National Science Foundation (NSF) funds research and education in most fields of science and engineering. Grant-ees are wholly responsible for conducting their project activities and preparing the results for publication. Thus, the Foundation does not assume responsibility for such findings or their interpretation.

NSF welcomes proposals from all qualified scientists, engineers and educators. The Foundation strongly encourages women, minorities, and persons with disabilities to compete fully in its programs. In accordance with federal statutes, regulations, and NSF policies, no person on grounds of race, color, age, sex, national origin, or disability shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving financial assistance from NSF (unless otherwise specified in the eligibility requirements for a particular program).

Facilitation Awards for Scientists and Engineers with Disabilities (FASED) provide funding for special assistance or equipment to enable persons with disabilities (investigators and other staff, including student research assistants) to work on NSF-supported projects. See the program announcement or contact the program coordinator at (703) 306-1636.

The National Science Foundation has Telephonic Device for the Deaf (TDD) and Federal Information Relay Service (FIRS) capabilities that enable individuals with hearing impairments to communicate with the Foundation regarding NSF programs, employment, or general information. TDD may be accessed at (703) 306-0090 or through FIRS on 1-800-877-8339.

The catalog of Federal Domestic Assistance Number is 47.076, Education and Human Resources.

PRIVACY ACT AND PUBLIC BURDEN STATEMENTS

The information requested on the application materials is solicited under the authority of the National Science Foundation Act of 1950, as amended. It will be used in connection with the selection of qualified applicants and may be disclosed to qualified reviewers and staff assistants as part of the review process; to the institution the nominee, applicant or fellow is attending or is planning to attend or is employed by for the purpose of facilitating review or award decisions, or administering fellowships or awards; to government contractors, experts, volunteers and researchers and educators as necessary to complete assigned work; to other government agencies needing data regarding applicants or nominees as part of the proposal review process, or in order to coordinate programs; and to another Federal agency, court or party in a court or Federal administrative proceeding if the government is a party. Information from this system may be merged with other computer files to carry out statistical studies the results of which do not identify individuals. Notice of the agency’s decision may be given to nominators, and disclosure may be made of awardees’ names, home institutions, and fields of study for public information purposes. For fellows or awardees receiving stipends directly from the government, information is transmitted to the Department of the Treasury to make payments. See System of Records, NSF-12, “Fellowships and Other Awards,” 63 Federal Register 265 (January 5, 1998). Submission of the information is voluntary; however, failure to provide full and complete information may reduce the possibility of your receiving an award.

The public reporting burden for this collection of information is estimated to average 12 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Reports Clearance Officer; Information Dissemination Branch, DAS; National Science Foundation; Arlington, VA 22230.