National Science Foundation
Rotational Vacancy

ANNOUNCEMENT NO: E20060023-Rotator **OPEN:** 12/01/2005 **CLOSE:** 01/13/2006

POSITIONS WILL BE FILLED ON A ONE OR TWO YEAR VISITING SCIENTIST APPOINTMENT, INTERGOVERNMENTAL PERSONNEL ACT (IPA) ASSIGNMENT BASIS, OR FEDERAL TEMPORARY APPOINTMENT.

Individuals wishing to apply for a permanent position see vacancy number E20060027.

The National Science Foundation is seeking a qualified candidate for the position of Program Director for the Atomic, Molecular, and Optical Physics Program, Division of Physics (PHY), Directorate for Mathematical and Physical Sciences (MPS), Arlington, VA.

The mission of the Division of Physics is to support primarily university/college faculty and students in theoretical and experimental research and to develop unique facilities needed to advance the frontiers of understanding. Areas of primary emphasis are: atomic, molecular, optical, and plasma physics, biological physics, astrophysics and cosmology, nuclear physics, elementary particle physics, gravitational physics, and other emerging and interdisciplinary research. Primary mode of funding is to individual investigators or small groups. The division also funds the operation of two large-scale accelerator facilities (the Cornell Electron Storage Ring and the Michigan State University National Superconducting Cyclotron Laboratory), and the Laser Interferometer Gravitational Wave Observatory. More information about the Division and their programs can be found on their website at www.nsf.gov/mps/divisions/phy/start.htm.

The ***Atomic, Molecular, and Optical Physics Program*** encompasses four sub-areas of this broad discipline: Precision Measurements, Atomic and Molecular Dynamics, Atomic and Molecular Structure, and Optical Physics. Research supported in the first three sub-areas includes activities in quantum control, cooling and trapping of atoms and ions, low-temperature collision dynamics, the collective behavior of atoms in weakly interacting gases (Bose-Einstein Condensates and dilute Fermi degenerate systems), precision measurements of fundamental constants, and the effects of electron correlation on structure and dynamics. In Optical Physics, support is provided in areas such as nonlinear response of isolated atoms to intense, ultra-short electromagnetic fields, the atom-cavity interaction at high fields, and quantum properties of the electromagnetic field.

QUALIFICATIONS REQUIRED: Applicants must possess a Ph.D. or equivalent experience in experimental atomic physics, molecular physics, optical physics, or a closely related field. In addition, six years of successful research, research administration, and/or managerial experience pertinent to the program is required.

This position will be filled on a one or two year Visiting Scientist Appointment, under the terms of the Intergovernmental Personnel Act (IPA) or as a Federal Temporary Appointment. Temporary and Visiting Scientist appointments will be made under the Excepted Authority of the NSF Act with a current salary range of $88,369 to $137,713. For Federal temporary appointments of more than one year, the usual civil service benefits (retirement, health and life insurance) are applicable. For Visiting Scientist appointments, individuals are in a non-pay leave status from his/her home institution and are appointed to NSF's payroll as a Federal employee. NSF withholds Social Security and provides reimbursement to the home institution for fringe benefits. For IPA assignments, the individual remains on the payroll of his/her home institution and the institution continues to administer pay and benefits. NSF reimburses the institution for NSF's negotiated share of the costs. Individuals eligible for an IPA assignment include employees of State and local government agencies, institutions of higher education, Indian tribal governments, federally funded research and development centers and qualified nonprofit organizations.

The individual remains an employee of the home institution. For more information regarding Visiting Scientist appointments or IPA assignments, visit our website at http://www.nsf.gov//about/career_opps.

DUTIES AND RESPONSIBILITIES: The Program Director directs the implementation, review, funding, post-award management, and evaluation of the program and contributes to the intellectual integration with other programs supported by the Division. Designs and implements the proposal review and evaluation process for relevant proposals. Selects well qualified individuals to provide objective reviews on proposals either as individuals or as members of a panel. Conducts final review of proposals and evaluations, and recommends acceptance or declination. Manages and monitors on-going grants, contracts, interagency and cooperative agreements to ensure fulfillment of commitments to NSF. Evaluates progress of awards through review and evaluation of reports and publications submitted by awardees and/or meetings at NSF and during site visits. Contributes to the responsibility for establishing goals and objectives, initiating new program thrusts and phasing out projects. Recommends new or revised policies and plans in scientific, fiscal, and administrative matters to improve the activities and management of the Program.

HOW TO APPLY: **Applications maybe transmitted electronically to rotator@nsf.gov**. **Please indicate which Program you are applying for.** Individuals may also submit a resume or any application of your choice to the National Science Foundation, Division of Human Resource Management, 4201 Wilson Blvd., Arlington, VA 22230, Attn: E20060023-Rotator. In addition, you are encouraged to submit a narrative statement that addresses your background and/or experience as it relates to this position. You are asked to complete and submit the attached Applicant Survey form. Submission of this form is voluntary and will not affect your application for employment (the information is used for statistical purposes). Telephone inquiries may be referred to the Executive and Visiting Personnel Branch, at 703-292-8755. Technical inquires may be referred to Dr. Laura P. Bautz, Executive Officer/PHY (**lbautz@nsf.gov**). Hearing impaired individuals may call TDD (703) 292-8044. Announcements may be accessed electronically on the World Wide Web at: **http://www.nsf.gov/about/career_opps/**.

The National Science Foundation provides reasonable accommodations to applicants with disabilities on a case-by-case basis. If you need a reasonable accommodation for any part of the application and hiring process, please notify the point of contact listed on this vacancy announcement.

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NATIONAL SCIENCE FOUNDATION

APPLICANT SURVEY

OMB No. 3145-0096
Expiration: 7/31/2005

Vacancy Ann. #:_____ Position Status (temporary/permanent):_____

Position Title/Series/Grade:_____

INSTRUCTIONS

Your completion of this form will be appreciated. Submission of this Information is voluntary and it will have no effect on the processing of your application. The data collected will be used only for statistical purposes to ensure that agency personnel practices meet the requirements of Federal law. Pursuant to 5 CFR 1320.5(b), an agency may not conduct or sponsor, and a person is not required to respond to an information collection unless it displays a valid OMB control number. The OMB control number for this collection is 3145-0096. NSF estimates that each respondent should take about 3 minutes to complete this survey, including time to read the instructions. You may have comments regarding this burden estimate or any other aspect of this survey, including suggestions for reducing this burden. If so, please send them to NSF Reports Clearance Officer, Division of Administrative Services, NSF, 4201 Wilson Blvd., Arlington, VA. 22230.

PRIVACY ACT INFORMATION

GENERAL - This information is provided pursuant to Public Law 93-579 (Privacy Act of 1974), December 31, 1974, for individuals completing Federal records and forms that solicit personal information.
AUTHORITY - Section 7201 of title 5 of the U.S. Code and Section 2000e-16 of title 42 of the U.S. Code.

PURPOSE AND ROUTINE USES

The information is used for research and for a Federal Equal Opportunity Recruitment Program (FEORP) to help insure that agency personnel practices meet the requirements of Federal law. Address questions concerning this form and its uses to the Privacy Act Officer, National Science Foundation, Arlington, VA 22230.

1. Today's Date:_____2. Year of Birth:_____

3. How did you learn about the particular position for which you are applying? (Circle appropriate number.)

01 - Newspaper (specify)_____
02 - Contact with NSF Personnel Office (Agency Bulletin Board or other Announcement)
03 - NSF-initiated personal contact
04 - Science Magazine, or other professional journal or magazine (specify)_____
05 - Affirmative Action Register
06 - Attendance at conference, meeting or job fair (specify)_____
07 - NSF recruitment at school or college
08 - Colleague referral
09 - NSF Bulletin
10 - Federal, State or local job information center
11 - State vocational rehabilitation agency or Veterans Administration
12 - State employment office
13 - School or college counselor or other official
14 - Private job Information service
15 - Private employment service
16 - Friend or relative working at NSF
17 - Friend or relative not working at NSF
18 – NSF website
19 – Internet or other website
20 - Other (specify)_____

4. Select the ethnic category with which you most closely identify:
   A. **Hispanic or Latino**. A person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.
   B. **Not Hispanic or Latino**.

5. Select one or more racial category with which you most closely identify:
   A. American Indian or Alaska Native. A person having origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.
   B. Asian. A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.
   C. Black or African American. A person having origins in any of the black racial groups of Africa.
   D. Native Hawaiian or Other Pacific Islander. A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.
   E. White. A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.

6. Sex (Circle the appropriate letter.) F - Female M - Male

7. Please provide Information on your disability status by circling the appropriate category below:

1. I do not have a disability; 2. Hearing impairment; 3. Vision impairment; 4. Missing extremities; 5. Partial paralysis; 6. Complete paralysis; 7. Convulsive disorder; 8. Mental retardation; 9. Mental or emotional illness; 10.Severe distortion of limbs and/or spine; 11.I have a disability but it is not listed.

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FOR AGENCY USE

Agency Code:_____

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER