

Campus Box 440  
University of Colorado  
Boulder, Colorado 80309-0440  
Phone: (303) 492-7789  
Fax: (303) 492-5235

## **2009-2010 JILA Postdoctoral Research Associateships**

JILA is devoted to research and applications in the fields of laser technology; optoelectronics; precision measurement; surface science and semiconductors; information and image processing; materials and process science; as well as basic research in atomic, molecular, and optical physics; precision measurement; gravitational physics; chemical physics; astrophysics; and geophysical measurements. Laboratory and theoretical studies conducted in JILA are often complemented by observational programs at other astronomical and space-research facilities.

One-year Research Associateships are administered under the JILA Visiting Scientists Program to provide advanced research experience in the years immediately after the PhD degree. These Research Associateships are generally renewable for a second year. For more experienced workers, Visiting Fellowships are also available, as described in a separate announcement.

Recipients are selected from applicants on the basis of their scholarly qualifications, their promise as research scientists, and their research interests and experience related to ongoing research programs for which financial support of postdoctoral associates is available. The Institute makes no restriction as to citizenship of the applicants except as may be imposed by the conditions of individual contracts.

Appointments are offered throughout the year with many appointments starting in September. It is advantageous to the applicants to submit application materials early in the year. Transportation to Boulder may be paid for the appointee and his/her spouse and minor children up to the amount of jet tourist fare. An allowance for shipment of personal effects and an allowance for appropriate professional travel within the United States during the period of the appointment are usually made available. Salaries usually are in the range of \$35,000 - \$49,000 and depend upon experience, qualifications, and funding source.

Please address inquiries and mail completed application materials to the Secretary, Visiting Scientists Program, JILA, Campus Box 440, University of Colorado, Boulder, Colorado 80309-0440. Instructions outlining the full application procedure will accompany the application form. Applications may also be downloaded from our web site at <http://jilawww.colorado.edu>.

**The University of Colorado at Boulder is committed to diversity and equality in education and employment.**

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University of Colorado and  
National Institute of Standards and Technology

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## **Instructions for Applying for JILA Postdoctoral Research Associateships 2009-2010**

The Postdoctoral Research Associateships are intended to provide advanced research training in the years immediately after the PhD degree, while the Visiting Fellowships are awarded for independent research and study, usually to those with extensive research experience. For those in doubt as to which type of appointment is more suitable, the Institute advises application for a Research Associateship.

Postdoctoral appointments usually are awarded in support of existing ongoing research projects, but consideration of suggestions for original research is not precluded. In any case, the recipients will work under the direction of a member of the permanent scientific staff of JILA. The latitude available to the Research Associate is at the direction of the project leader and may depend heavily on the source of support. Research Associateships are supported by specific grants and contracts awarded by a number of federal agencies, including NSF, NASA, DOE, and DOD, to individual members of JILA's scientific staff. All Research Associates in JILA are appointed by the University of Colorado at Boulder.

The enclosed application form, along with the supporting material requested therein, should be completed and sent directly to the Secretary for the Visiting Scientists Program. Please note in particular that at this stage an unofficial copy of the applicant's graduate record is adequate and that three letters of recommendation are required. The enclosed brochure listing the research activities and interests of the JILA scientific staff should be consulted in conjunction with item (12), which is intended only to ensure that the application is brought to the attention of all members of the staff who may be interested.

On receipt of the completed application form and letters of recommendation, the application will be circulated among the JILA staff. Applicants will be informed when their files are complete. However, since associateships are awarded throughout the year, there may be an extended period of time between completion of the file and the offer of appointment.

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## APPLICATION FOR JILA POSTDOCTORAL RESEARCH ASSOCIATESHIP

1. Full name:
2. Home address and telephone number:
3. Institution address, e-mail, fax, and telephone numbers:
4. Approximate beginning date requested:
5. Degrees (give institutions and dates):
6. Professional appointments (include present institution and position, and give dates):
7. Special honors or awards:
8. Thesis title or subject:
9. Names and addresses of three persons you have asked to send professional references on your behalf. If possible, one of your references should be your PhD thesis advisor.\* Please have all three letters of recommendation sent directly to the Secretary, Visiting Scientists Program, JILA, Box 440, University of Colorado, Boulder, CO 80309-0440, U.S.A.  
\*1.  
2.  
3.
10. In the event that you are awarded a Research Associateship, will you need to obtain or renew a U.S. visa? If so, please state details fully on reverse side of this form.
11. Please check the disciplines(s) that best describe(s) your area(s) of interest:  
 astronomy (observational)                       theoretical astrophysics  
 geophysics/gravitational physics               chemical physics (experimental)  
 atomic, molecular, or optical theory               atomic/molecular physics (experimental)  
 precision measurement, lasers, optics (experimental)       surface and solid-state physics  
Provide a few key words about your specific scientific interests and experience:
12. Names of JILA staff members to whose attention your application should be brought:
13. Will you have, or have you applied for, any additional financial support of your salary and expenses for your research at JILA? If yes, please furnish details.
14. Attach the following:
  - a. A copy of the transcript of your graduate record. (An *unofficial* copy will be adequate. An official copy will ultimately be required by the University of Colorado at Boulder before an appointment can be made.)
  - b. A list of professional publications accepted or in preparation. (Please send reprints/preprints when available.)
  - c. A resume of your research experience and current research interests.

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## Postdoctoral Research Associate Affirmative Action Questionnaire

Thank you for your recent application or resumé. As part of our affirmative action record keeping, JILA invites you to voluntarily provide the following information. Your reply will be kept confidential and will be used only in accordance with federal regulations. A decision not to respond to this questionnaire will no subject any applicant or employee to any adverse treatment.

Response to this form is voluntary, does not request a signature, and is necessary for record keeping.

Thank you for your help.

I am an  Asian American  Black  Hispanic  
 Native American  Other

I am  Female  Male

I have a handicap as defined in Section 504 of the Rehabilitation Act of 1973.\*

Yes  No

How did you learn of this position opening? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_  
(Month, Day, Year)

\* "Handicapped person" means any person who (1) has a physical or mental impairment that substantially limits one or more major life activities, (2) has a record of such an impairment, or (3) is regarded as having such an impairment.