

GEOBULLETIN

NOV 6TH, 2009

GeoBulletin is distributed weekly, by E-mail. Contributions are requested!

If you have a news item, a request, an announcement etc. email it to geodept@geology.wisc.edu or leave it at the reception desk, Room 236 by noon on Monday.

NOV. 6TH WEEKS LECTURE CANCELED

Nov. 13 – Rob DeConto (SPONSOR: Anders Carlson)

Nov. 20th Open
Nov. 27th Thanksgiving
Dec. 4th Open
Dec. 11 Prof. Charles Geiger of Kiel University

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JOB OPENINGS

NUCLEAR REGULATORY COMMISSION

(<http://www.nrc.gov>)

John Gutteridge
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Nancy Hebron-Isreal
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Title: U.S. Nuclear Regulatory Commission Funding Opportunity Announcement, Scholarship and Fellowship Education Grant, Fiscal Year 2010.

Announcement of Opportunity Number:

1. **HR-FN-1009-NED01** - U.S. Nuclear Regulatory Commission Funding Opportunity Announcement, **Scholarship and Fellowship Education Grant**, Fiscal Year 2010. **Closes 12/16/2009.**
2. **HR-FN-1009-NED02** - U.S. Nuclear Regulatory Commission Funding Opportunity Announcement, **Faculty Development Grant**, Fiscal Year 2010. **Closes 12/22/2009.**
3. **HR-FN-1009-NED03** - U.S. Nuclear Regulatory Commission Funding Opportunity Announcement, **Trade School and Community College Scholarship Grant**, Fiscal Year 2010. **Closes 12/16/2009.**
4. **HR-FN-1009-EDU4** - U.S. Nuclear Regulatory Commission Funding Opportunity Announcement, **Nuclear Education Curricula Development Grant**, Fiscal Year 2010. **Closes 2/01/2010.**

NOTICE: Applications submitted in response to this Funding Opportunity Announcement (FOA) for Federal assistance must be submitted electronically through Grants.gov (<http://www.grants.gov>) using the SF-424 forms and the SF-424 Application Guide included with this announcement in Grants.gov/Apply for Grants (hereafter called Grants.gov/Apply).

We encourage your inquiries concerning this funding opportunity and welcome the opportunity to answer questions from potential applicants. Inquiries may fall into two areas: program/review or administrative/financial issues:

1. Program/Review

John Gutteridge
Grants Program Manager, USNRC
Phone: 301-492-2313,
E-mail at John.Gutteridge@nrc.gov

Nancy Hebron-Isreal
Grants Program Analyst, USNRC
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2. Financial/Administration

Kathleen J. Shino, MBA
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APPLICATIONS MAY NOT BE SUBMITTED IN PAPER FORMAT

Executive Summary

The U.S. Nuclear Regulatory Commission (NRC) is an independent agency, established by the Energy Reorganization Act of 1974, tasked with licensing and regulating the Nation's civilian use of byproduct, source, and special nuclear material to ensure adequate protection of public health and safety, to promote the common defense and security, and to protect the environment.

Funding under this \$15 million program includes support for nuclear science, engineering, and related disciplines to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities and the safe handling of nuclear materials. The total amount of funding available for undergraduate scholarships, graduate fellowships, trade school scholarships, and faculty development grants together in FY2010 totals \$15 million.

This announcement is for undergraduate scholarships and graduate fellowships. The announcements for trade school and community college scholarships (HR-FN-1009-NED03) and faculty development grants (HR-FN-1009-NED02) are published separately. As a condition for receiving scholarships or fellowships, recipients must demonstrate satisfactory academic progress in their fields of study, as determined by criteria contained in this announcement and as established by the NRC. The nuclear development supported by this funding is intended to benefit the nuclear sector broadly. Consequently, NRC requires scholarship and fellowship recipients to serve six (6) months in nuclear-related employment for each full or partial year of academic support. The employment may be with NRC, other Federal agencies, State agencies,

Department of Energy laboratories, nuclear-related industry, or academia in the recipients sponsored fields of study. NRC may waive, in whole or in part, the service obligation, upon determination that compliance by the individual is impractical.

There is no guarantee that sufficient funds will be available to initiate or continue grant activities where funding has been recommended by NRC. Future opportunities for submitting applications may be available, depending on future NRC funding authorization. An award funding an individual's scholarship for one academic year does not guarantee that funding will continue for any subsequent years necessary for completion of the individual's degree. That funding does not continue for subsequent years does not alter the terms of the service/employment agreement between the student and the NRC, as described above and discussed in full below.

Type of Award: This Funding Opportunity Announcement will result in grant award(s).

Funds Available and Anticipated Number of Awards: The total amount of funding available for undergraduate scholarships, graduate fellowships, trade school and community college scholarships, and faculty development research grants in FY 2010 totals \$15 million. NRC expects to support a limited number of scholarship and fellowship awards. The number of awards for FY 2010 will depend upon the number, quality, duration, and costs of the applications received.

Budget and Project Period: Fellowships may be requested for multiple individuals of up to \$100,000 per year for four (4) years, or \$400,000 total costs (direct costs and facilities and administrative costs) for the project period and are not renewable. An individual may not receive funding in excess of \$50,000 per year. Scholarship funds for up to \$200,000 total costs (direct costs and facilities and administrative costs) per institution for a two (2) year project period may be requested through this announcement. Both amounts are exclusive of any matching, cost shared or leveraged funding by non-Federal entities. No scholarship student may receive more than \$10,000 per year or exceed \$20,000 over a 2 year period.

Eligible Institutions/Organizations: Institutions/organizations listed in Section III, 1.A. are eligible to apply acting on behalf of their faculty members

Eligible Principal Investigators (PIs). Individuals with the skills, knowledge, and resources necessary to carry out the proposed research are invited to work with their institution/organization to develop an application for support. Individuals from underrepresented racial and ethnic groups as well as individuals with disabilities are always encouraged to apply for NRC support

Number of Applications: Institutions may submit only one application for the Scholarship Program and one application for the Fellowship Program. If applicants are requesting both scholarships and fellowships they should be requested in separate applications.

Continuation Applications: Not Applicable

Application Materials: See Section IV.1 for application materials.

Hearing Impaired: Telecommunications for the hearing impaired are available at:
TTY 1-800-635-4512.

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EMPLOYMENT OPPORTUNITY: LABORATORY MANAGER POSITION AT DUKE UNIVERSITY

Position Description: We seek a full-time laboratory manager to oversee an isotope biogeochemistry laboratory in the Earth and Ocean Sciences (EOS) Division of the Nicholas School of the Environment at Duke University. Responsibilities include laboratory management, operation and maintenance of isotope ratio mass spectrometer and peripherals, development of new analytical methods, sample preparation, and supervision/guidance of graduate students and other facility users. The position offers opportunities for participation in research cruises and interpretation and publication of results. Laboratory research projects revolve around biogeochemistry and phytoplankton ecophysiology (see <http://www.nicholas.duke.edu/people/faculty/cassar> for more information). During the first year of employment, the laboratory manager will primarily assist with laboratory setup and installation of isotope ratio mass spectrometer and peripheral vacuum extraction lines.

Salary: Commensurate with qualification and experience.

Starting Date: February 2010 or as soon as possible thereafter.

Requirements: Bachelor degree in science is required; a Master's degree is preferred. Experience with analytical instruments and data acquisition, and mechanical and electronic skills are highly desirable.

Application: Interested individuals should send a cover letter, a CV (including a description of training, relevant course work, and experience) and the names and contact information of at least 3 references.

Application Deadline: Evaluation of applications will begin immediately and continue until the position is filled.

Submit Application to: Beatriz Martin (eosoffice@duke.edu)

Inquiries: Nicolas Cassar (nicolas.cassar@duke.edu)

Duke University is an EEO/AA Employer.

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GLOBAL CHANGE GEOLOGY UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN.

The Department of Geology in the School of Earth, Society, and Environment invites applications for a full-time, tenure-track appointment at the assistant professor level in the broadly defined area of Global Change Geology. Examples of relevant research areas include, but are not limited to:

1. The global carbon cycle, including connections to the deep Earth, weathering, and carbon sequestration.
2. Paleoclimatology, isotope geochemistry, and other studies of environmental change records.
3. Studies of Earth materials and elements (e.g., clathrates, nitrogen, iron, sulfur) related to climate and the evolution of life.
4. Glaciology and other earth science studies of modern environmental change.

The successful applicant must demonstrate the potential to establish an internationally recognized, externally funded research program. An ability to contribute to excellence in education at the graduate and undergraduate levels in geosciences, and in interdisciplinary aspects of the School of Earth, Society and the

Environment, is also required. More information concerning the Department of Geology and the School of Earth, Society, and Environment can be found at www.geology.uiuc.edu and www.earth.uiuc.edu.

This position is available with a starting date of August 16th, 2010. A Ph.D. is required and salary will be commensurate with experience. Please create your candidate profile through <https://jobs.illinois.edu/> and upload a curriculum vita (including a full list of publications and a description of research and teaching interests), pdf reprints or preprints of publications, and contact information for at least three references. Full consideration will be given to applications received by 30 November, 2009. Inquiries about the position are encouraged; contact Prof. Johnson (217-244-2002; tmjohnsn@illinois.edu). The University of Illinois is an Affirmative Action / Equal Opportunity Employer.

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THE LUNAR AND PLANETARY LABORATORY AT THE UNIVERSITY OF ARIZONA

Is seeking applicants for a full-time Staff Scientist position with responsibility for managing an ICP-MS analytical facility. Candidates with experience in analytical chemistry, cosmochemistry, and geochemistry are encouraged to apply. Salary will be commensurate with experience.

Current research in this facility involves the study of bulk elemental abundances in meteorites, lunar materials, and terrestrial materials and in situ analyses of individual phases in these samples using laser ablation sample introduction.

Outstanding UA benefits include health, dental, vision, and life insurance; sick leave and holidays; UA/ASU/NAU tuition reduction for employee and qualified family members; access to campus cultural and recreational activities; retirement, and more!

Duties and Responsibilities: Staff Scientist will oversee the day to day operations of a laboratory facility that houses a ThermoFinnigan Element2 ICP-MS, a Cetac LSX-213 laser ablation system, and a class-100 cleanroom. Successful candidate will be expected to contribute to a vibrant cosmochemical research program by developing analytical protocols, designing research projects, advising undergraduate and graduate students, and assisting in proposal preparation. Other duties include maintenance and troubleshooting of the ICP-MS and the laser ablation system, wet chemistry and in situ analysis of a wide variety of samples, training new users, assisting users in obtaining high-quality data, and managing the laboratory's finances. **Minimum Qualifications:** Master's or Ph.D. in analytical chemistry, geochemistry, cosmochemistry, or a closely related field.

Experience in ICP-MS as well as laser ablation and wet-chemistry techniques. Strong analytical skills and experience with 1) analytical method development, 2) data reduction and analysis; and 3) applications to Earth or Planetary Science problems. Knowledge of Element 2 hardware, training in analytical chemistry, and experience with laboratory practices in a clean environment is preferred.

Dr. Yulia Goreva
Associate Staff Scientist
Lunar and Planetary Laboratory
University of Arizona, Tucson

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WORK FOR A GREENER FUTURE

Most of us want a cleaner, greener, healthier future. Making it happen is the tough part.

From the White House to state capitols to city halls, Americans have elected hundreds of new leaders who share our vision of a world where our lives are powered by the wind and the sun, the air is clear and safe to breathe, our rivers and lakes are clean and toxic-free, and the forests, parks and other special places we love are protected and preserved.

But having a few good leaders isn't enough. Not when we face so many powerful industries willing to pay practically any price to block real change.

That's where Environment America comes in.

Our mission is to research and advocate the policies and build and mobilize the public support necessary to win positive change for our environment. We have more than 100 professional staff working with the state-based groups in our national federation and in our Washington, D.C., office. We've organized 1 million members, activists and political allies to join us, winning changes that mean more solar and wind power, less global warming pollution, and more protections for our parks, waterways, forests and wilderness areas.

But we still have much more to do. We need to do more to document the problems, advocate the right policies, educate the public, mobilize more people to take action, build broader and stronger coalitions, and train and develop more organizers, advocates and other leaders to keep building the kind of support that can sweep past even the most powerful opposition. That's where you come in.

The 2010-2012 Fellowship Program: Job description

Environment America's Fellowship Program is designed to give you an opportunity to make an immediate impact even as you gain the training and experience you need to become a leader in the environmental movement.

Through the Fellowship Program, you will develop basic expertise on critical issues-for example, clean energy-and work to carry out our strategy for winning positive policy change-for example, pushing a new initiative that will bring solar power to thousands of homes and families. One week, you might take part in a coalition meeting, speak at a news conference, lobby lawmakers or their staff, and write an op-ed for publication in the state's top paper. Another week, you might call a list of civic leaders to seek their endorsements of pending legislation, organize a town hall meeting with a lawmaker, and hold a rally in a key legislator's home district.

In addition to developing policy expertise and lobbying on issues, fellows play an important role in mobilizing and engaging the public on critical issues. You'll canvass during the year and run citizen outreach canvass offices during each summer of the two-year program. By the end of the program, you will have learned how to raise funds, build a membership, recruit and manage staff and volunteers, work with lawmakers and community leaders, earn media coverage, and run a successful grassroots campaign.

Qualifications

We are seeking recent college graduates who are ready to commit their time, talent and energy to grassroots political action on behalf of our environment. We look for academic excellence, problem-solving ability, creativity and top-notch written and verbal skills. We value leadership experience, especially with campus and other activist groups.

Training and experience

Starting in mid-August 2010 in Boston, Environment America Fellows will participate in 10 days of paid initial training. Additional trainings will take place throughout the year, with a mix of lectures, discussions, role-plays and in-the-field practice. Most importantly, you will learn through hands-on experience, and guidance and feedback from our current staff-including some of the nation's top environmental advocates and organizers. In addition to learning about the issues and how to influence the political debate, you will learn organization-building skills, such as grant-writing, volunteer recruitment and how to manage staff and direct campaigns.

Placement

Fellowship candidates are hired nationwide and placed in Environment America offices across the country. If you are interested in particular locations, you will be asked to identify them during the interview process. In most cases, final placement, including location and position, occurs during the August training in Boston.

Salary and benefits

As a recent graduate, you earn \$23,750 in your first year and \$24,250 in your second year. You're eligible to opt into our group health plan, and accrue two weeks paid vacation over the course of your first year and an additional three weeks over your second year. You're eligible to apply for college loan assistance. In your second year, you're eligible to participate in our 401(k) plan. Salary and benefits vary in California and New York.

Locations

Environment America is currently hiring for positions in: Phoenix, AZ; Los Angeles, Sacramento, San Francisco and Santa Barbara, CA; Denver, CO; Hartford, CT; Washington, DC; Miami and Tallahassee, FL; Atlanta, GA; Chicago, IL; Des Moines, IA; Portland, ME; Baltimore, MD; Boston, MA; Ann Arbor, MI; Minneapolis, MN; St. Louis, MO; Missoula, MT; Las Vegas, NV; Concord, NH; Trenton, NJ; Albuquerque, NM; Albany and New York, NY; Raleigh, NC; Columbus, OH; Portland, OR; Philadelphia and Pittsburgh, PA; Providence, RI; Austin, TX; Richmond, VA; Seattle, WA; Madison, WI.

How to apply

Pick up a brochure at your career placement office and schedule an on-campus interview, or apply online at www.EnvironmentAmerica.org/jobs.

Questions

Please contact Maria Schweitzer in our Recruitment Department with any questions. E-mail her at Jobs@EnvironmentAmerica.org or call (202) 683-1250.