



ISU Newsletter



Weekly Announcements for October 24-October 30, 2004

Newsletter Deadlines: Thursday at 3:00 p.m. Contact Susan at rittsusa@isu.edu

Seminars

Dr. Jeff Meldrum will present his Promotion Seminar: *"That's One Small Step...."*, **Thursday, at 4:00 pm**, Plant Sciences Lecture Hall.

Steve Seiler, Graduate Student in Biology will present his Proposal Seminar: *"Environmental correlates and ecological pathways of rainbow trout invasions into native cutthroat trout populations"* on **Thursday, October 28 at 2pm in Room 136**.

Faculty/Staff/Other Meetings

There will be **NO** Biological Sciences Faculty Meeting on **October 26**.

Presentations

Jason Beck, Graduate Student in Biology, will be presenting the results of research he conducted in Nicaragua at the North American Symposium on Bat Research (www.nasbr.org) Friday, October 27-30, 2004, in Salt Lake City, UT. The presentation is titled: *"The Role of Bats as Potential Seed Dispersers of Large-seeded Trees in the Caribbean Lowland Forest of Nicaragua."*

Dr. Mike Thomas and **Luobin Yang**, Bioinformatics Programmer, were invited to the Idaho High Performance Computing Workshop 2004 at Boise State University, Friday Oct 22, 2004. Luobin presented, *"ISU bioinformatics computing using an Apple cluster."*

Two posters were presented at the 17TH ANNUAL IDAHO CONFERENCE ON HEALTH CARE - Kasiska Health Conference, Oct 21, 2004:

Title: *Diabetes Awareness and Prevention Study with Shoshone-Bannock High School*
Author(s): **Susan E. Galindo** MS, MT (ASCP), **Carolyn J.W. Bunde** PhD, MT (ASCP), Sue Ellen Curtis MT (ASCP), M Edward Galindo, PhD, Arlin Bache, Ann Sorensen PhD

Title: *Biology Courses for Health-Related Professions Students – Moves Online*
Author(s): **Carolyn J.W. Bunde** PhD, MT (ASCP) and **Susan E. Galindo** MS, MT (ASCP)

Notices

A note from Dr. Wharton, Chief Research Officer:

**A CALL FOR NOMINATIONS FOR
THE 2005 ISU DISTINGUISHED RESEARCHER AWARD**

This is to announce the call for nominations for the Distinguished Researcher Award of 2005. This award will honor a faculty member who has contributed significantly to the research effort at Idaho State University. This person is honored at the commencement exercises as the Distinguished Researcher and will be given a cash award of \$2,500. The Faculty Research Committee will select the Distinguished Researcher.

Please send a detailed letter of nomination, which addresses the selection criteria below to the Chief Research Officer, Campus Box 8130, Idaho State University, by **WEDNESDAY, DECEMBER 1, 2004.**

Selection Criteria

1. Significance of the research in relation to the frontiers of knowledge in its field.
 2. Publication of research findings in peer reviewed national or international journals or juried/invitational show, exhibits, or performances.
 3. Papers, showings, or related public presentations of research findings and their application and use by the discipline involved.
 4. Evidence of extended, intentional development of the topic of research that resulted in a significant contribution.
 5. Any other evidence of the outstanding nature of the research activity that may be relevant.
- Please encourage everyone to nominate those who they think are deserving of such an award. Last year no one from the Biological Sciences Department was nominated. So nominate someone today!

REQUEST FOR PROPOSALS TECHNOLOGY INCENTIVE GRANTS

Academic Affairs, through the Office of Research, invites proposals from academic faculty and departments for projects aligned with the ISU Gateway Initiative and the Idaho Technology Incentive Grant. **The deadline for submission is November 1.** Proposals will be reviewed internally and award decisions will be made no later than November 15 for immediate funding. Continued funding for multi-year projects is possible.

The Gateway Initiative is a comprehensive project funded by the State Board of Education's Technology Incentive Grant awarded to ISU. The Gateway Initiative is ISU's continuing effort to use technology to strengthen and broaden access to courses identified as critical for student success. Gateway projects are expected to enhance the student learning experience, improve access, attract and retain students and develop methods and strategies that will ensure the sustainability of the technology-strengthened courses that emerge.

Level of funding depends on the nature and scope of the project. Projects in the \$20,000 to \$30,000 range have been funded in the past.

Proposals must be received in the Office of Research by November 1, 2004 by 5:00pm. Late proposals will be reviewed at the discretion of the review committee.

Questions can be directed to the Faculty Coordinator for Instructional Technology, Dr Terry Lay, layterr@isu.edu, x2180, or to Randy Stamm, stamrand@isu.edu, x 4557. Questions on the submission process can be directed to Deb Easterly, eastdebb@isu.edu, x3832.

UNDERGRADUATE RESEARCH COMMITTEE CALL FOR PROPOSALS Spring Semester 2005

The Undergraduate Research Committee (UgRC) funds a limited number of proposals in two grant categories: 1) Undergraduate Research Awards, which help support undergraduates financially as they perform research, and 2) Undergraduate Travel Awards. All proposals must conform to the *Guidelines for Preparation of Proposals and Responsibilities of Grant Recipients*. The Guidelines are available online at <http://www.isu.edu/research/undergrad.shtml>.

PLEASE CONTACT YOUR AREA REPRESENTATIVE with any questions concerning the development of your proposal. You are strongly encouraged to discuss your proposal with your

area representative prior to submission. The Biological Sciences area representative is **Dr. James Groome**, groojame@isu.edu, (x 2791)

Maximum grant amount for Research Awards is \$2,000.

Deliver proposals to Main Campus Post Office, Campus Box 8052, by 5:00pm Monday, November 8, 2004.

FACULTY RESEARCH COMMITTEE CALL FOR PROPOSALS Fall 2004. The Faculty Research Committee (FRC) funds a limited number of proposals in three grant categories: (1) Research Grants, (2) Released Time Grants, and (3) Dissemination Grants. All proposals must conform to the Guidelines for Preparation of Proposals and Responsibilities of Grant Recipients. You may access a copy of the most recent version (revised February, 2004) of the Guidelines, at <http://www.isu.edu/departments/research/FRCGuidelines2002.pdf>.

Contact **Ernest Keeley**, keelerne@isu.edu, (x3145) for further details.

GRADUATE STUDENT RESEARCH AND SCHOLARSHIP COMMITTEE CALL FOR PROPOSALS Spring Semester 2005

The Graduate Student Research and Scholarship Committee issues this call for proposals to aid graduate students in conducting research. The committee funds proposals in two categories:

1. Research Grants
 - a. Research, production, or exhibition to be conducted or directed by eligible persons.
 - b. Monies are to be used for such items as equipment, expendable supplies, computer time, food, lodging and transportation, or other legitimate expenses incurred by the investigator.
 - c. Monies may not be used for time spent by the applicant in direct payment for services.
 - d. MAXIMUM ALLOWABLE GRANT = \$1,000. However, the average grant approved for the last two granting periods has been \$500.
2. Dissemination Grants
 - a. This category funds the dissemination of research and its results whether or not the research has been previously funded by the committee.
 - b. MAXIMUM ALLOWABLE GRANT = \$500.

The Guidelines for the Preparation of Proposals to the Graduate Student Research and Scholarship Committee is available at <http://www.isu.edu/research/gssrc.shtml> or the Office of Research, Fine Arts Building, Room 205 or call 3134

DEADLINE FOR RECEIPT OF PROPOSALS IN THE OFFICE OF RESEARCH, FINE ARTS 205, by 5:00 PM, Monday, November 8, 2004.

CALIFORNIA BOTANICAL SOCIETY 21st GRADUATE STUDENT MEETING

Saturday, February 19, 2005 in Tiburon, California

Anyone may attend; registration is \$25 (fee includes cost of lunch and snacks). If you would like to present a paper, you must be a current graduate student or have recently received a graduate degree.

Deadline is December 15, 2004 for abstracts and pre-registration. You may also register on the day of the meeting. Registration forms will be available online by October 15, 2004. For more information visit <http://www.calbotsoc.org>.

Opportunities

If you're looking for internship or job announcements check out the Department web page. Click on 'Jobs/Internships' on the left menu bar.

The American Association for the Advancement of Science (AAAS) is offering graduating PhDs, and faculty members seeking sabbatical opportunities, the opportunity to contribute to the public policy-making process in Washington, D.C. Potential assignments include: Congress, Department of Homeland Security, Department of State, Department of Defense, National Science Foundation, National Institutes of Health, Agency for International Development, Environmental Protection Agency, Department of Agriculture, Food and Drug Administration, and other federal offices. These programs provide one-year opportunities for postdoctoral to mid-career scientists and engineers to bring technical expertise and external perspectives to federal decision-making, while learning about the interface of science and government. **Applications must be received by January 10, 2005.** For more information about these valuable opportunities please call 202-326-6700, e-mail at fellowships@aaas.org or visit the Website at www.fellowships.aaas.org.

BARRY M. GOLDWATER SCHOLARSHIP AND EXCELLENCE IN EDUCATION PROGRAM 2005/2006 SCHOLARSHIP AWARD

Faculty members please identify your outstanding sophomore or junior level mathematics, natural sciences, or engineering majors, for consideration of possible nomination by ISU for the Barry M. Goldwater Scholarship. More information is available in the main Biology office, see Susan. Hard copies in mailbox.

BARNSTEAD INTERNATIONAL SCHOLARSHIP

Barnstead International has established a national scholarship program that will award one \$5000, two \$2,500 and two \$1,000 scholarships to outstanding high school seniors or college students pursuing a degree in the sciences such as chemistry, biology, microbiology, forensics, agriculture, environmental, marine, genetics, etc.

ELIGIBILITY

1. Be a graduating high school senior or full-time college student currently enrolled in a four-year degree program.
2. Be pursuing a degree in the sciences such a chemistry, biology, microbiology, genetics, etc. from an accredited 4-year college or university.
3. Have a minimum GPA of 3.0.
4. Must submit a maximum 500 word essay on the significance of scientific research in your designated field and why you choose to pursue a career in that field.
5. Complete application for scholarship.

Interested students must complete the application and essay requirements. All applications must be postmarked no later than **April 1, 2005**. Applications are available in the main biology office, talk to Susan.

GLOBAL FOOD TECHNOLOGIES INTERNSHIP FOR MICROBIOLOGY MAJORS

Intern duties:

Work 10 hours per week in the Global Food Technologies lab with trained industrial technicians. Earn \$10.00 per hour for 15 weeks of the spring 2005 semester. Flexible scheduling is available.

Intern qualifications:

Completed at least 58 credits towards a Microbiology degree. Completed the following courses with a grade of C or better: BIOS 235, General Microbiology with lab, CHEM 111 and 112, General Chemistry with labs.

Preference will be given to students who have completed one or more of the following courses:

BIOS 355/357, Pathogenic Microbiology with lab, BIOS 433, Microbial Physiology, BIOS 334, Experimental Biochemistry, BIOS 432, Biochemistry.

Application procedure:

Submit the following documents:

1. Your contact information.
2. Unofficial transcripts.
3. One page essay explaining how an internship with Global Food Technologies will enhance your career goals.

Submit to: Dr. Maureen Brandon
Idaho State University
Department of Biological Sciences
Campus Box 8007
Pocatello, Idaho 83209

Deadline for submission of application: **MONDAY, OCTOBER 25, 2004 BY 5PM**

FACULTY POSITION OPENING:

Assistant Professor, Environmental Science and Engineering

The Environmental Science and Engineering Division at the Colorado School of Mines are in search of a new tenure-track Assistant Professor. They are looking for candidates with expertise in Applied Ecology.

If you are interested in learning more about Environmental Science and Engineering at CSM, please visit their website at <http://www.mines.edu/academic/envsci/>. A copy of this announcement is also available at the job-posting site by the graduate student bulletin board in the main hall.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Office of Research and Development
National Center for Environmental Assessment
Health Scientist /Microbial Risk Analyst

Focus Area: Microbial Risk Assessment

The successful candidate for this position will serve as an infectious disease specialist who evaluates epidemiologic studies, microbiological studies, and other data sources for the analysis of human health risk from environmental-source pathogens. He or she will develop risk assessments and innovative approaches to bridging the data gaps that constrain risk characterization.

A Ph.D., M.D., or a Master's degree with equivalent research experience is also desired.

Send letters of interest and CV to Mary Rothermich, Ph.D., NCEA, 26 W. Martin Luther King Dr., Cincinnati, OH 45268; Rothermich.Mary@epa.gov . **Please reply by November 12, 2004 for full consideration.**

How to apply: Vacancy announcement and application instructions are accessible on the U.S. Office of Personnel Management (OPM) web-site at <http://jobsearch.usajobs.opm.gov/a9epa.asp> or by visiting www.epa.gov/ezhire Vacancy announcement number RTP-DE-2004-0112 is open to all U.S. citizens.

**TWO CURATOR-FACULTY POSITIONS
ENTOMOLOGY & BOTANY
UNIVERSITY OF ALASKA FAIRBANKS**

The Universities of Alaska Museum of the North and the Department of Biology & Wildlife at the University of Alaska Fairbanks seek qualified applicants for two tenure-track, Assistant Professor positions:

Insect Geneticist/Curator of Insects and Curator of the Herbarium.

Successful candidates are expected to: establish a vigorous, extramurally funded research program complementing the University's programs; curate the respective collection; teach one course per year (Entomology/Systematic Botany or a specialized course); and advise undergraduate and graduate students. The positions will also be associated with the Institute of Arctic Biology. A newly expanded museum and laboratory, greenhouses, a core laboratory for nucleic acid research, and supercomputer facilities are available. Opportunities exist to use field areas such as the Bonanza Creek/Poker Creek and Toolik LTER sites. Preferred applicants will have a strong background in developing, managing, and using museum collections and in a specialized research area (which is flexible). An earned Ph.D. is mandatory, and postdoctoral experience is preferred. Applicants who can successfully implement their vision for how traditional collections can be used on the leading edge of science are especially encouraged to apply. Laboratory space and startup funds are included.

Further information about the University and Museum is available at: www.uaf.edu/museum, mercury.bio.uaf.edu, and mercury.bio.uaf.edu/iab. Applicants should include: a completed applicant form, found at: www.alaska.edu/hr/forms/hr_employmentforms; curriculum vitae; three letters of reference; and separate summaries of interests and experience in research, curation, and teaching. Please send complete application package by **15 January 2005** to Curator of Insects or Curator of the Herbarium Search, c/o UAF Human Resources, P.O. Box 757860, Fairbanks, Alaska 99775-7860. Questions about this announcement can be addressed to Kevin Winker (ffksw@uaf.edu) or Molly Lee (ffmcl@uaf.edu). The University of Alaska is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

Dive into an exciting new marine biology program in the Caribbean! Spend a summer or a full semester exploring Dominica's underwater world, while learning about the ecology and conservation of marine resources. Apply now: www.itme.org/apply.htm. An exciting lineup of courses and lecturers will complement your research training. You will carry out your own project and jump start a career in environmental sciences. More Info: www.itme.org/semester.htm

DOMESTIC FISHERIES OBSERVER POSITIONS AVAILABLE YEAR-ROUND

ALASKAN OBSERVERS, INC. is certified by the National Marine Fisheries Service and the Alaska Department of Fish and Game to provide observers for domestic fisheries. Persons hired attend training in either Seattle, WA or Anchorage, AK. In the six months following training, observers make two deployments, each one of which is approximately 2 to 2 ½ months in length. Observers are guaranteed subsequent deployment opportunities and salary advances.

DESCRIPTION OF WORK: Observers gather management data for the Government, living and working aboard U.S.-flagged commercial fishing vessels operating in the Bering Sea, North Pacific, and Gulf of Alaska.

COMPENSATION: \$3,900.00-\$5,610.00 per month, depending on experience, plus room, board, and travel to and from job site.

QUALIFICATIONS: Minimum of a Bachelor's Degree in fisheries biology, marine biology, general biology, zoology, or a related natural sciences

For information contact: David Edick, Alaskan Observers, Inc., 130 Nickerson, Suite 206 Seattle, WA 98109, 1-800-483-7310 or visit the home page at www.alaskanobservers.com or via E-mail at aoistaff@alaskanobservers.com .

TIOF ENDOWMENT FUND PROPOSAL

The International Osprey Foundation (TIOF) is seeking applications for its 15th annual grant program to support research activities of a graduate student primarily focusing on osprey. However, work with other raptor species may be considered. The award recipient will be expected to provide a report on his or her research and use of the funds within one year of receiving the grant.

To apply, send a project description of no more than two pages, an itemized estimate of expenses and the name and address of the graduate supervisor. This project description and estimated budget, along with a cover letter giving whatever personal data you wish to furnish, will serve as your grant application. No further documents are required.

Application must be submitted by **January 31, 2005** to: TIOF Endowment Fund, P.O. Box 250, Sanibel, Florida, 33957-0250.

The grant will be awarded on March 31, 2005.

HARRY S. TRUMAN SCHOLARSHIP

(Information from Dr. Wayne Gabardi, Prof. of Political Science, ISU)

Approximately 75-80 top students from around the United States are awarded Truman Scholarships each year. A Truman Scholarship is intended for: (1) full-time, junior-level students at four-year institutions who are citizens of the United States; (2) in the upper quarter of their class; (3) who will be attending graduate school in preparation for careers in government, public service law, and elsewhere in public service; (4) who have a strong record of leadership and public/community service; and (5) wish to influence government and public policies.

Students must be nominated by a faculty member and fill out preliminary application by

November 12, 2004.

See Susan in main Biological Sciences office for more information.