FACULTY/STAFF/OTHER MEETINGS
There will not be a Department of Biological Sciences Faculty Meeting Tuesday, December 13, 2011.

UPCOMING EVENTS
Remember the Department of Biological Sciences Annual Christmas Party is Friday, December 16, 2011, from 6:00-11:00 PM at the Elks Lodge (Upstairs Banquet Rooms), 410 S. Main Street, Pocatello, Idaho. Hope to see you there!

PUBLICATIONS


**DEPARTMENT NEWS**

Dr. Colden Baxter was invited and presented a lecture entitled, “Spatial complexity and connectivity in river-riparian food webs,” during travels in southern Europe at Universitat de Barcelona, Centre d'Estudis Avancats de Blanes, Spain; Université de Lyon, Limnological Institute, Lyon, France; Swiss Federal Institute of Aquatic Science and Technology, Zurich, Switzerland; and, then upon his return to the U.S., to College of Natural Resources at Utah State University, Logan, Utah.

**OPPORTUNITIES**


Duke’s Nicholas School of the Environment is excited to announce an online Virtual Information Session for prospective students interested in the Master of Environmental Management (MEM) or Master of Forestry (MF) degree program. Learn about graduate opportunities in environmental field from one of the Nation's top environmental school. NO MATTER WHERE YOU ARE LOCATED, you can learn to earn a prestigious Master of Environmental Management or Master of Forestry degree from Duke University while in the comfort of your office or home. Session will be held using tele- and web-conferencing technology. Details will be provided prior to the event. To Register: [http://www.nicholas.duke.edu/news/online-virtual-session?utm_source=click&utm_medium=web&utm_campaign=hpannoucement_box](http://www.nicholas.duke.edu/news/online-virtual-session?utm_source=click&utm_medium=web&utm_campaign=hpannoucement_box).

The Mickey Leland Energy Fellowship (MLEF) is a 10-week paid summer internship with opportunities in the US Department of Energy, Office of Fossil Energy, for women and minority students who are currently enrolled in Science, Technology (IT), Engineering, and Math majors at an accredited college or university. **MLEF MISSION:** Provide opportunities for educational advancement and career development through an award winning internship program for women and minority students in Science, Technology (IT), Engineering and Math. **ELIGIBILITY:** Applicants must be a US citizen; Undergraduate students completing their sophomore year in Spring 2012 through PhD candidates; Cumulative GPA of 3.0 or above. **APPLICATION:** Application deadline is December 31, 2011. The start date for the summer internship program is June 4, 2012. For more information about DOE/FE and to complete the MLEF application, please visit our webpage: [www.fossil.energy.gov/education/lelandfellowships/index.html](http://www.fossil.energy.gov/education/lelandfellowships/index.html).

The City of Seattle, through its City Light Department, is soliciting applications for its Wildlife Research Program (WRP). The WRP is a grant program that supports research on wildlife resources in the North Cascades ecosystem. It was established as part of federal licensing requirements for the Skagit River Hydroelectric Project. For complete information and application submittal requirements, please visit our website at [http://www.seattle.gov/light/environment/wildlifegrant/](http://www.seattle.gov/light/environment/wildlifegrant/). The next deadline for pre-proposals is January 13, 2012. If you have any questions, please contact Ron Tressler (Ron.Tressler@seattle.gov).

Mazamas Research Grant Funding is Available. The Mazamas, a 3,000-member Oregon mountaineering organization headquartered in Portland OR, is soliciting research grant proposals from scientists and their graduate students. Graduate Student Research Grants are up to $1,500, and Standard Research Grants (typically awarded to university faculty members) can be up to $3,500, from a total amount available this year of approximately $15,000. **Grant applications deadlines:** January 28, 2012, for Standard Research...
Grants; February 4, 2012, for Graduate Student Research Grants. For grant application procedure and for additional information, please visit this link: http://www.mazamas.org/your/adventure/starts-here/research-grants. This link will also show you the grants we have awarded in the past several years. For more information, please contact the Mazamas Research Committee. Email: mazama.research@mazamas.org. Web: www.mazamas.org. Mailing Address: Mazamas, 527 SE 43rd Avenue, Portland OR 97215. Business Hours: Monday-Thursday 10:00 AM - 7:00 PM and Fridays 10:00 AM - 2:00 PM. Phone: 503-227-2345.

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: www.nationalacademies.org/rap. Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four review cycles annually. Upcoming deadlines are: February 1, 2012. Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

The Center for Environmental Farming Systems (CEFS) Summer Sustainable Agriculture Internship Program. This eight-week internship program (June 4 – July 27, 2012) provides undergraduate students with experience in hands-on field production, local community food systems, hands-on sustainable agriculture experiences and research that promote agricultural sustainability. Interns will become familiar with farming practices that promote Strong local food system networks; Sustainable production systems using available renewable resource-based technologies; Agricultural production systems of animal and crops that efficiently use energy and water in the biological systems; Efficient use of nutrient cycling in production systems; Diverse complementary production systems and season extension techniques; Community gardens for food and education in good food choices; Use of organic crop rotations, crop/animal integration, and natural systems for animal production. As part of their research experience, each intern will be mentored by NCSU, NCA&TSU and NCD&A&CS faculty and staff from a variety of fields working in sustainable agriculture at CEFS. Student interns will be able to receive 6 credits from NCSU for the internship program. The deadline to apply for the CEFS Summer Internship Program is Wednesday, February 1, 2012. Visit the CEFS Website for more information! Contact Lisa Forehand (919-513-0954 or lisa_forehand@ncsu.edu) for more information!

Environmental Health Research Experience Program (EH REP) at the University of Washington Seattle. The Environmental Health Research Experience Program is a funded nine week, summer experience for undergraduates with interest in an interdisciplinary field that uses the tools of science to solve human health problems related to the environment. EHREP provides students with hands on experience in laboratories of leading researchers, introduces them to key environmental and occupational health issues while offering research exposure that will help them become competitive for graduate school. Students will work full-time under the supervision of a faculty mentor and will receive a stipend of $5,200. Students underrepresented in the sciences are strongly encouraged to apply. The deadline for student applications is February 15, 2012. Program poster: http://depts.washington.edu/ehug/documents/ehrep2012.pdf. Program website: http://www.ehrep.washington.edu.

The NASA Idaho Space Grant is now accepting EPSCoR Fellowship Applications. Students pursuing a master or doctoral degree at Idaho State University are encouraged to apply. Applicants must be a U.S. citizen or have permanent residency, must collaborate with a faculty member or research group conducting NASA related research and have an undergraduate GPA of 3.0 or higher or a graduate GPA of 3.5 or higher.
Deadline for applications is Monday, March 5, 2012 at 5:00PM PST. Awards are up to $17,500 for the academic year. $2,500 of the $17,500 is to be used for travel to a NASA center. The fellowships are granted for one academic year. Please see attached guidelines and use the following link to apply: http://id.spacegrant.org/index.php?page=fellowships. If you have any questions, please call Angela or Becky at (208) 885-6438 or reply to this email.

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**Job Opportunities**

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The Department of Microbiology at Oregon State University invites applications for a full-time, 12-month appointment as Instructor in Microbiology. Ph.D. is required. For full position announcement and to apply, see http://oregonstate.edu/admin/hr/jobs, posting 0008189. Closing date **January 1, 2012**.

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Some travel is anticipated. No field work is required. Enquiries should be directed to Dr. Fred Johnson at fjohnson@usgs.gov or 1-352-392-5075.

Botany and silviculturist/ecologist positions now open at Sundance Consulting, Pocatello, Idaho, for the summer of 2012. Crews performing intensive inventory of non-forested areas of Forest Service administered lands. The work is very physically taxing. Long hikes normal and the plots often not close to maintained trails, requiring cross country hiking. Requires camping in the area where you are working and preparing your own food while in the field. Requires good team skills as each botanist will be paired with a silviculturist/ecologist to make a team. Good skills in using maps, compasses, clinometers, GPS units, and increment boring tools are necessary. Many of these skills can be taught during training if a candidate is lacking in a couple of skills. Botanists should have the following skills: Attention to detail; Good field identification skills; Willingness to work on identification of a plant until it is correct; Ability to read, understand and use a plant identification key; Willingness to be taught; Willingness to work with other botanists to help them in their identification skills; Willing to lead their team and take responsibility for any shortcomings in the data and/or data collection process; Good understanding of how to use maps. Silviculturists/Ecologists should have the following skills: Attention to detail; Know tree diseases and damage agents; Know how to increment bore trees; Be able to take direction from the botanist/team leader; Physically fit. For more information contact: bcheney@sundance-inc.net.

**PAYROLL INFORMATION**

Our next pay period ends Saturday, December 10, 2011. Please be sure to submit your time by Monday, December 12, at 12 NOON. This gives your approver time to approve your time card and fix any problems by Tuesday, December 13, 2011, when time cards are due to Payroll.
Please submit newsletter information to Pam at chripame@isu.edu

FACTORY/STAFF/OTHER MEETINGS
Department of Biological Sciences Faculty Meeting will be held Tuesday, December 6, 2011, in the Lecture Center 15/17 at noon.

SEMINARS
Gaurav Kaushik, PhD graduate student with Dr. Michael A. Thomas, will present his proposal seminar, “Expression of autism-related genes, proteins and microRNAs induced by environmental contaminants,” on Thursday, December 8, 2011, at 12:00 Noon in Lecture Center 10.

Kristy B. Howe, MS graduate student with Dr. David Delehanty, will present her defense seminar, “Selection for Anthropogenic Structures and Vegetation Characteristics by Common Ravens Within a Sagebrush-Steppe Ecosystem,” Friday, December 9, 2011, at 12:00 Noon in Lecture Center 10.

OCCUPORTUNITIES

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**JOB OPPORTUNITIES**

**The Idaho Department of Fish and Game** has an opening for **Regional Wildlife Biologist - Population position in Pocatello, Idaho** on open competitive announcement until **Wednesday, December 7, 2011**. The announcement is located at the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835059575](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835059575). Applications will only be accepted through this website.

**Shoshone-Bannock Tribes Fish and Wildlife Department** invites applications for **Anadromous Fish Biologist position**. **Qualifications**: Minimum qualifications include a B.S. degree in fisheries research or closely related field with two years experience. An advanced degree in fisheries research with supervisory experience preferred. **For more information**: Contact Lytle Denny (208-239-4560 or ldenny@sbtibes.com) or go to: [http://www.shoshonebannocktribes.com/jobs/jobpostings.cfm](http://www.shoshonebannocktribes.com/jobs/jobpostings.cfm). **Closing Date**: December 8, 2011.

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Department of Microbiology at Oregon State University invites applications for a full-time, 12-month appointment as Instructor in Microbiology. Ph.D. is required. For full position announcement and to apply, see http://oregonstate.edu/admin/hr/jobs, posting 0008189. Closing date January 1, 2012.

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Faculty/Staff/Other Meetings

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Seminars

Pritee Pradhan, MS Environmental Science Candidate, will present her special seminar project presentation, “Molecular Characterization of Dairy Waste Microbial Enrichments,” on Monday, November 28, 2011, at 9:00 AM in Life Sciences 271.

Kole Bowman, MS student with Dr. Jack Rose, will present his proposal seminar on Thursday, December 1, 2011, at 12 Noon in Lecture Center 10.

Parag P. Joshi, MS graduate student with Dr. Michael A. Thomas, will present his defense seminar, “The Biological Significance of Psychoactive Pharmaceuticals in Aquatic Systems,” Friday, December 2, 2011, at 12:00 Noon in Plant Science 114.

Christine Sestero (former PhD student of Dr. Gene Scalarone), MERIT Postdoctoral Scholar University of Alabama at Birmingham Department of Medicine Division of Clinical Immunology and Rheumatology, will present her seminar, “Negative feedback regulation of encephalitogenic Th1 Cells by IFNγ in experimental autoimmune encephalomyelitis,” on December 1, 2011, at 4:00 PM in Lecture Center 10.

Publications


Grant Opportunities

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**Shoshone-Bannock Tribes Fish and Wildlife Department** invites applications for **Anadromous Fish Biologist position.** **Qualifications:** Minimum qualifications include a B.S. degree in fisheries research or closely related field with two years experience. An advanced degree in fisheries research with supervisory experience preferred. **For more information:** Contact Lytle Denny (208-239-4560 or ldenny@sbtribes.com) or go to: http://www.shoshonebannocktribes.com/jobs/jobpostings.cfm. **Closing Date:** December 8, 2011.

**The Idaho Department of Fish and Game** has an opening for **Regional Wildlife Biologist - Population position in Pocatello, Idaho** on open competitive announcement until Wednesday, December 7, 2011. The announcement is located at the following link: https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835059575. Applications will only be accepted through this website.
The Florida Cooperative Fish and Wildlife Research Unit at the University of Florida is seeking two (2) postdoctoral associates to explore methods for optimal decision making in problems of natural resource management. Research will focus on the application of decision-theoretic approaches to: (1) the control of invasive exotics in South Florida; (2) the adaptive management of waterfowl harvests in the U.S. and northern Europe; and (3) habitat management for the threatened Florida scrub-jay. These projects will support management decisions made by the U.S. Park Service, the U.S. Fish and Wildlife Service, and signatory countries of the African-Eurasian Waterbird Agreement (http://www.unep-aewa.org/about/introduction.htm). Appointees will be responsible for developing ecological models describing the dynamics of relevant system states, optimizing state-dependent management actions, and exploring the sensitivity of optimal management strategies to various sources and degrees of uncertainty. Appointees will be expected to work closely with management agencies, to participate in relevant workshops, to present seminars at various venues, and to publish their research findings in a timely fashion. Some travel is anticipated. No field work is required. Enquiries should be directed to Dr. Fred Johnson at fjohnson@usgs.gov or 1-352-392-5075.

PAYROLL INFORMATION

Our next pay period ends Saturday, November 26, 2011. Please be sure to submit your time by Monday, November 28, at 12 NOON. This gives your approver time to approve your time card and fix any problems by Tuesday, November 29, 2011, when time cards are due to Payroll.
ANNOUNCEMENTS FOR THE WEEK OF NOVEMBER 13, 2011
Please submit newsletter information to Pam at chripame@isu.edu

FACULTY/STAFF/OTHER MEETINGS
Department of Biological Sciences Faculty Meeting will be held Tuesday, November 15, 2011, in the Lecture Center 15/17 at noon.

SEMINARS
Richard S. Beard, PhD student with Dr. Shawn Bearden, will present his defense seminar, “Mechanisms for Homocysteine-Mediated Cerebral Endothelial Damage,” on Wednesday, November 16, 2011, at 12:00 noon in Lecture Center 10.

Nisha Shrestha, MS student with Dr. Dring Crowell, will present her defense seminar, “The role of farnesol and abscisic acid in Arabidopsis flower development,” on Thursday, November 17, 2011, at 1:00 PM in Plant Sciences 114.

DEPARTMENT NEWS
Dr. Jeff Meldrum traveled to San Francisco, California, to attend the executive committee meeting of the American Association for the Advancement of Science, Pacific Division (AAAS-PD), to plan for the 2012 meeting to be held in Boise, Idaho. All are encouraged to consider participating in this event (pre-registration begins in April 2012).

Dr. Jeff Meldrum made a presentation on the campus of Utah Valley University, Friday, November 11, 2011, entitled, “Sasquatch: Legend Meets Science.” In conjunction, he will be the featured guest of Doug Fabrizio on KUER (NPR) Radio West on Thursday, 11:00 a.m., November 10, 2011.

PUBLICATIONS

OTHER NEWS
Master of Occupational Therapy Program Seeking ISU Employees in Need of Ergonomic Analysis and Recommendations. Free Initial Screening by 3rd year MOT Students includes Analysis of work station and work postures; Instruction in exercise to avoid injury; and Recommendations for equipment or work task changes. For more information or to sign up, contact Dr. Ted Peterson, Department of Physical and Occupational Therapy, 282-4631, petetheo@isu.edu. *Screening performed by MOT students under the supervision of a licensed occupational therapist. Employees in need of on-going treatment and/or professional evaluation will be referred to licensed practitioners for follow-up.
**Grant Opportunities**

Mazamas Research Grant Funding is Available. The Mazamas, a 3,000-member Oregon mountaineering organization headquartered in Portland OR, is soliciting research grant proposals from scientists and their graduate students. Graduate Student Research Grants are up to $1,500, and Standard Research Grants (typically awarded to university faculty members) can be up to $3,500, from a total amount available this year of approximately $15,000. **Grant applications deadlines:** January 28, 2012, for Standard Research Grants; February 4, 2012, for Graduate Student Research Grants. **For grant application procedure and for additional information,** please visit this link: [http://www.mazamas.org/your/adventure/starts-here/research-grants](http://www.mazamas.org/your/adventure/starts-here/research-grants). This link will also show you the grants we have awarded in the past several years. **For more information,** please contact the Mazamas Research Committee. Email: mazama.research@mazamas.org. Web: [www.mazamas.org](http://www.mazamas.org). **Mailing Address:** Mazamas, 527 SE 43rd Avenue, Portland OR 97215. **Business Hours:** Monday-Thursday 10:00 AM - 7:00 PM and Fridays 10:00 AM - 2:00 PM. **Phone:** 503-227-2345.

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**Job Opportunities**

California State University, Northridge invites applications for tenure-track positions in Department of Biology. Applicants must hold Ph.D. and have post-doctoral experience. Looking for **Marine Biologist** and **Molecular Genetics, Cell and Molecular Biology**. For more information: [www.csun.edu/facultyaffairs/openings/sm/](http://www.csun.edu/facultyaffairs/openings/sm/). **Screening will begin on November 14, 2011.**

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FACULTY/STAFF/OTHER MEETINGS

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SEMINARS

Luobin Yang, PhD student with Dr. Mike Thomas, will present his defense seminar, “High Performance and High Throughput Bioinformatics: Accelerate time-consuming bioinformatics applications and extract knowledge from large amount of biological data,” on Thursday, November 10, 2011, at 12:00 noon in Lecture Center 10.

Biological Sciences Scientific Seminar: Fourth Floor Poster Session on Thursday November 10, 2011, at 4:00 PM. Refreshments!

Richard S. Beard, PhD student with Dr. Shawn Bearden, will present his defense seminar, “Mechanisms for Homocysteine-Mediated Cerebral Endothelial Damage,” on Wednesday, November 16, 2011, at 12:00 noon in Lecture Center 10.

DEPARTMENT NEWS

Idaho State University Department of Biological Sciences students and faculty traveled to Seattle, Washington, for the Annual National Meeting of American Fisheries Society September 4-8, 2011. Dr. Colden Baxter co-organized a special session for that meeting entitled, “Riverscape Ecology: Theory and Application for Understanding and Conserving Lotic Fishes.” The following is a list of presentations from the meeting involving ISU scientists:

- **Baxter, C.V., J.M. Davis, B.T. Crosby, J.L. Pierce, E.J. Rosi-Marshall.** Indirect effects of climate change on stream-riparian ecosystems: a view on forest, fire, and flow dynamics from Idaho's Salmon River Basin. Invited presentation in special symposium, “Can Aquatic Resources Survive Global Climate Change and Humanity's Best Intentions?”
• Bellmore, J.R., C.V. Baxter, P.J. Connolly and K.D. Martens. Combining Food Web and Ecosystem Techniques to Evaluate the Potential for Salmon and Steelhead Habitat Restoration.

PUBLICATIONS


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The Office of Research and Academic Affairs invite you to learn about the research conducted at ISU. Please join them Thursday, November 10, 2011 from 11:00 AM to 1:00 PM in the Rendezvous suites A-B-C and in the hall by the Institute for Rural Health, Meridian campus. Light refreshments provided. For additional information call the Office of Research at 282-2714.

OTHER NEWS
Master of Occupational Therapy Program Seeking ISU Employees in Need of Ergonomic Analysis and Recommendations. Free Initial Screening by 3rd year MOT Students includes Analysis of work station and work postures; Instruction in exercise to avoid injury; and Recommendations for equipment or work task changes. For more information or to sign up, contact Dr. Ted Peterson, Department of Physical and Occupational Therapy, 282-4631, petetheo@isu.edu. *Screening performed by MOT students under the supervision of a licensed occupational therapist. Employees in need of on-going treatment and/or professional evaluation will be referred to licensed practitioners for follow-up.

GRANT OPPORTUNITIES
Mazamas Research Grant Funding is Available. The Mazamas, a 3,000-member Oregon mountaineering organization headquartered in Portland OR, is soliciting research grant proposals from scientists and their graduate students. Graduate Student Research Grants are up to $1,500, and Standard Research Grants (typically awarded to university faculty members) can be up to $3,500, from a total amount available this year of approximately $15,000. Grant applications deadlines: January 28, 2012, for Standard Research Grants; February 4, 2012, for Graduate Student Research Grants. For grant application procedure and for additional information, please visit this link: http://www.mazamas.org/your/adventure/starts-here/research-grants. This link will also show you the grants we have awarded in the past several years.
The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: www.nationalacademies.org/rap. Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four review cycles annually. **Upcoming deadlines are: February 1, 2012.** Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

**All Faculty and Students in Science, Math, Social Sciences. University Research Committee Call For Proposals Fall 2011.** The Research Office and the University Research Committee (URC) invite proposals for funding for research projects. The URC has been restructured, with new members, bylaws, funding categories, and guidelines. New guidelines, dated September 2011, are available at: http://www.isu.edu/research/internalgrants.shtml. **Important changes include:** These funds are available to all faculty and to students conducting research in the sciences, math or social sciences; Greater flexibility in funding type; Greater dollar amounts for awards are possible; new proposal format; and Faculty and students apply to same committee but do not compete against each other. You are strongly encouraged to discuss your proposal with your area representative prior to submission. List of area Representatives http://www.isu.edu/research/internalgrants.shtml. **NOTE: Criteria for evaluating proposals:** 1) Intellectual merit; 2) Likelihood of successful completion of the proposed project; 3) National or international impact potential/plan to disseminate results at the national level (faculty); 4) Fit of the project to the applicant’s long-term research, including development of a record of external funding or revenue through grants, fellowships, contracts, royalties, patents, consulting fees, ticket sales, donations, etc. (for faculty). Maximum grant amount is $25,000 for faculty grants, $2,000 for student grants. **Deadline for proposal submission is before:** 5:00 PM – Thursday, November 10, 2011. See guidelines for submission details. Writing Workshop for remote locations via Skype contact Dr. Easterly (282-2618; eastdebb@isu.edu). Session will be held September 29, 2011 at 10:00am in the Portneuf room in the SUB in Pocatello.

**JOB OPPORTUNITIES**

**California State University, Northridge** invites applications for tenure-track positions in Department of Biology. Applicants must hold Ph.D. and have post-doctoral experience. Looking for **Marine Biologist and Molecular Genetics, Cell and Molecular Biology.** For more information: www.csun.edu/facultyaffairs/openings/sm/. **Screening will begin on November 14, 2011.**

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**ANNOUNCEMENTS FOR THE WEEK OF OCTOBER 30, 2011**

Please submit newsletter information to Pam at chripame@isu.edu

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**FACULTY/STAFF/OTHER MEETINGS**

Department of Biological Sciences Faculty Meeting will be held Tuesday, November 1, 2011, in the Lecture Center 15/17 at noon.

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**SEMINARS**

Dr. Kenneth Renner, University of South Dakota, will present his seminar, “Organic Cation Transporters in the Brain: Do They Contribute to the Stress Response?” on Thursday, November 3, 2011, at 12:00 noon in Lecture Center 10.

Dr. Jeff Meldrum, Department of Biological Sciences, will present his promotion seminar on Thursday, November 3, 2011, at 4:00 PM in Lecture Center 10.

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**PUBLICATIONS**


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**UPCOMING EVENTS**

The Department of Biological Sciences will have academic advising for degrees in Biochemistry, Biology, Botany, Ecology, Microbiology, and Zoology. Advisors will be available in the Gale Life Sciences Foyer (Building 65) from 11:00 AM to 2:00 PM on Monday October 31 - Friday, November 4, 2011; Monday, November 7, 2011; and Tuesday, November 8, 2011. No appointments are necessary. Stop by and meet with an advisor before Spring 2012 registration begins!

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**OTHER NEWS**

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GRANTS SUBMITTED

Dr. Mike Thomas submitted a 3-year grant proposal to the NIH R15 Academic Research Enhancement Award (AREA) Funding Opportunity Announcement. The title of the proposed research project is, “The role of pharmaceuticals & personal care products in the etiology of autism.” Dr. Jean Pfau also submitted a 3-year NIH R15 Grant proposal. Her title is, “Identification of functional targets for asbestos induced autoantibodies.”

GRANT OPPORTUNITIES

Mazamas Research Grant Funding is Available. The Mazamas, a 3,000-member Oregon mountaineering organization headquartered in Portland OR, is soliciting research grant proposals from scientists and their graduate students. Graduate Student Research Grants are up to $1,500, and Standard Research Grants (typically awarded to university faculty members) can be up to $3,500, from a total amount available this year of approximately $15,000. Grant applications deadlines: January 28, 2012, for Standard Research Grants; February 4, 2012, for Graduate Student Research Grants. For grant application procedure and for additional information, please visit this link: http://www.mazamas.org/your/adventure/starts-here/research-grants. This link will also show you the grants we have awarded in the past several years. For more information, please contact the Mazamas Research Committee. Email: mazama.research@mazamas.org. Web: www.mazamas.org. Mailing Address: Mazamas, 527 SE 43rd Avenue, Portland OR 97215. Business Hours: Monday-Thursday 10:00 AM - 7:00 PM and Fridays 10:00 AM - 2:00 PM. Phone: 503-227-2345.

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proposal submission is before: 5:00 PM – Thursday, November 10, 2011. See guidelines for submission details. Writing Workshop for remote locations via Skype contact Dr. Easterly (282-2618; eastdebb@isu.edu). Session will be held September 29, 2011 at 10:00am in the Portneuf room in the SUB in Pocatello.

JOB OPPORTUNITIES

Grand Valley State University, Allendale, Michigan, is looking for Assistant Professor of Biology (9 month, tenure-track). **Qualifications:** Doctoral degree in a Biological Discipline or Biology Education. Expertise in Science Education (K-12), and demonstrated success in teaching and scholarship are required. **How to Apply:** Apply online at www.gysujobs.org. **If you have questions about the position contact:** Dr. Christopher Dobson; Biology-Education Search Committee; Biology Department; Grand Valley State University; Allendale, MI 49401-9403. **Deadline Date for Filing Applications:** Review of applications will begin October 21, 2011 and continue until the position is filled.

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ANNOUNCEMENTS FOR THE WEEK OF OCTOBER 23, 2011

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FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held Tuesday, October 25, 2011, in the Lecture Center 15/17 at noon.

PUBLICATIONS


TRAVEL

Dr. Jeff Meldrum traveled to Moscow, Russia, and on to Tashtagol in Siberia to participate in an international conference on hominology sponsored by the Kemerovo regional government, October 5-9, 2011. He made a presentation entitled, “The Relict Hominoid Inquiry” and exchanged examples of hominoid footprint casts with Russian counterparts.

UPCOMING EVENTS

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OPPORTUNITIES

The Hertz Foundation is looking for applications for fellowships in Astrophysics, Chemistry, Computer Science, Earth Science, Engineering, Materials Science, Mathematics, Physics, Quantitative Biology/Biotechnology. There are two main options: the first has a $31,000/9 month personal stipend, the second a $36,000/9 month personal stipend. See www.hertzfoundation.org for more details and online application. Application deadline is October 31, 2011.

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additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: www.nationalacademies.org/rap. Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four review cycles annually. 

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**JOB OPPORTUNITIES**

**Position:** Assistant Professor of Biology (9 month, tenure-track), Grand Valley State University, Allendale, Michigan. **Qualifications:** Doctoral degree in a Biological Discipline or Biology Education. Expertise in Science Education (K-12), and demonstrated success in teaching and scholarship are required. **Responsibilities:** Teaching responsibilities will include undergraduate Integrated Science courses for preservice teachers, secondary methods courses for Biology majors, and other Biology courses for majors and non-majors appropriate to the applicant’s area of expertise. Other assignments include student advising, active scholarship, and university and community service. **Department/Division:** Department of Biology/College of Liberal Arts and Sciences. **How to Apply:** Apply online at www.gvsujobs.org. Include a cover letter, CV, statement of teaching philosophy and experience, statement of research experience and goals, contact information for three references, and scanned copies of your transcripts. If you have questions about the position contact: Dr. Christopher Dobson; Biology-Education Search Committee; Biology Department; Grand Valley State University; Allendale, MI 49401-9403. **Deadline Date for Filing Applications:** Review of applications will begin October 21, 2011 and continue until the position is filled.

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FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held Tuesday, October 18, 2011, in the Lecture Center 15/17 at noon.

SEMINARS

Dr. Mark Fisher, University of Utah, will present his seminar, “The Mass Spectrometry Revolution in Clinical Microbiology”, Thursday, October 20, 2011, at 4:00 PM in Lecture Center 10.

DEPARTMENT NEWS

Rebecca Lloyd (University of Arizona), graduate student of Dr. Kathleen Lohse, received the 2011 EPA STAR Fellowship.

PUBLICATIONS


GRANTS AWARDED

Dr. Kathleen Lohse received two subawards in July 2011 for funding ISU graduate students, David Huber and Emily Charaska, one EPSCOR REU for Shleace Hardenbrook and transferred one subcontract to ISU.

Dr. Kathleen Lohse received a subaward from NSF CZO EAR in the amount of $77,204 (funded, 7/1/11-6/30/13) for her research, Biogeochemical Interactions along a critical zone continuum.

Dr. Kathleen Lohse received a NSF EPSCoR Track 1 RII grant, Water Resources in a Changing Climate, in the amount of $72,206 (funded, 9/1/11-8/31/13) for her research, Graduate training evaluating the effects of altered precipitation seasonality and vegetation change on coupled water and biogeochemical cycles in the Snake River Basin.

Dr. Kathleen Lohse received a NSF EPSCoR REU in the amount of $5000 for her research, Long term effects of vegetation change and altered precipitation on soil properties.

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The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: www.nationalacademies.org/rap. Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four review cycles annually. Upcoming deadlines are: November 1 2011 and February 1, 2012. Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

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ANNOUNCEMENTS FOR THE WEEK OF OCTOBER 9, 2011
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FACULTY/STAFF/OTHER MEETINGS
Department of Biological Sciences Faculty Meeting will be held Tuesday, October 11, 2011, in the Lecture Center 15/17 at noon.

SEMINARS
A Research Poster Session will be held on Thursday October 13, 2011, at 4:00 PM in Gale Life Sciences Building on the 3rd floor. Come learn about Physiology, Development, Anatomy, Neuroanatomy, Microbiology, Stream Ecology, Neuropysiology, Evolution, Bioinformatics, Behavior, and Herpetology.

Dr. Caryn Evilia, Departments of Chemistry and Biological Sciences, will present her promotion seminar, “Adventures in Archaea: Protein Biochemistry in Extreme Halophiles,” on Friday, October 14, 2011, at 1:00 PM in Physical Sciences Complex 114.

TRAVEL
Dr. Tim Magnuson gave an invited seminar titled, “Microbial Bioenergy: From electrons to complex carbon,” at the University of Minnesota, September 15, 2011. This talk featured work by graduate assistants, Mike Swenson and Pritee Pradhan.

PUBLICATIONS


GRANTS AWARDED
Drs. Tim Magnuson and Linda DeVeaux were awarded a $4000 Collaboration Grant from NASA-EPSCoR/Idaho Space Grant Consortium. This grant will facilitate planning a new project, “Manganese and Microbial Cell Survival in extremis.” The grant was co-written by graduate assistants, Mike Swenson and Matt Ford.

UPCOMING EVENTS
The Idaho Chapter of the American Fisheries Society Native Fish Committee - 2011 Native Fish Workshop. October 13-15, 2011 (come to one or more days). Please join us for the opportunity to see some of the most unique fishes in the State. This year we plan to visit beautiful Bear Lake in southeastern Idaho to see and learn how to identify Bonneville whitefish, Bonneville cisco, Bear Lake whitefish, Bear Lake sculpin, and Bear Lake (Bonneville) cutthroat trout. Travel and meet on the evening of the Thursday, October 13. Professional workshop Friday, October 14. Saturday, October 15 is family fun day and viewing of Bear Lake Fishes, bring the Kids! Meeting location and accommodations: Bear Lake Training Center, Utah State University. Contact: Ernest Keeley (keelerne@isu.edu) to reserve your spot, please RSVP.

OPPORTUNITIES
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ANNOUNCEMENTS FOR THE WEEK OF OCTOBER 2, 2011

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FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held Tuesday, October 4, 2011, in the Lecture Center 15/17 at noon.

SEMINARS

Matthew Dean, PhD student with Dr. Jack Rose, will present his proposal seminar, “Prostaglandins and Uterine Glycogen Metabolism in Mink,” on Thursday, October 6, 2011, at 12:00 noon in Lecture Center 10.

UPCOMING EVENTS

The Health Professions and ISU Graduate Programs Fair on Tuesday, October 4, 2011, will be held in the ISU Pond Student Union from 10:30 AM to 2:30 PM. Health professions programs from around the country, as well as health programs at Idaho State University, will be here to talk with students and others who are interested in pursuing professional healthcare degrees in medicine, dentistry, physical therapy, physician assistant studies, and other allied health fields. Those interested in continuing their education are also invited to come explore the graduate degree options available across campus. The Office of Research will also be present to help students learn about research taking place at ISU. Current and prospective students are invited to attend. Faculty is invited to attend and the Biology Department will have a table for student inquiries.

The Idaho State University Chapter of Sigma Xi, the Scientific Research Society, will present the Science Cafe “Merits and Challenges of Online Education” by a panel of students and educators at 5:00 PM on Wednesday, October 5, 2011. The Science Cafe will be held in the upstairs loft of the Portneuf Valley Brewing, located at 615 S. First Avenue, Pocatello, Idaho. Science Cafe is an event where, for the price of a beverage at Portneuf Valley Brewing, anyone can come to explore current topics in science and technology. The panel discussions welcome comments and questions from the audience. For more information contact Alok Bhushan at sigmaxi152@gmail.com or abhushan@pharmacy.isu.edu.

The Idaho Chapter of the American Fisheries Society Native Fish Committee - 2011 Native Fish Workshop. October 13-15, 2011 (come to one or more days). Please join us for the opportunity to see some of the most unique fishes in the State. This year we plan to visit beautiful Bear Lake in southeastern Idaho to see and learn how to identify Bonneville whitefish, Bonneville cisco, Bear Lake whitefish, Bear Lake sculpin, and Bear Lake (Bonneville) cutthroat trout. Travel and meet on the evening of the Thursday, October 13. Professional workshop Friday, October 14. Saturday, October 15 is family fun day and viewing of Bear Lake Fishes, bring the Kids! Meeting location and accommodations: Bear Lake Training Center, Utah State University. Contact: Ernest Keeley (keelerne@isu.edu) to reserve your spot, please RSVP.
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Faculty/Staff/Other Meetings

Department of Biological Sciences Faculty Meeting will be held Tuesday, September 27, 2011, in the Lecture Center 15/17 at noon.

Seminars

Dr. Timothy Magnuson will present his promotion seminar, “Those Magnificent Microbes: Solutions for Energy and the Environment,” Thursday, September 29, 2011, at 4:00 PM in Lecture Center 10.

Department News

Idaho State University’s Molecular Research Core Facility (MRCF) received a $194,000 grant from the National Science Foundation for a DNA sequencer. This grant will transform the research capabilities of MRCF. The grant is part of the NSF’s Major Research Instrumentation program, which this year funded fewer than 15 percent of proposed projects. Dr. Michael Thomas, Biological Sciences is the MRCF academic director and Erin O’Leary-Jepsen is the MRCF managing director. If you would like to read more about this grant, go to: http://www.isu.edu/newsandnotes/110912/molecular.shtml.

Opportunities

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ANNOUNCEMENTS FOR THE WEEK OF SEPTEMBER 18, 2011

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FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held Tuesday, September 20, 2011, in the Lecture Center 15/17 at noon.

SEMINARS

Dr. Svetlana Yurgel, Microbiology Job Candidate, will present her seminar, “The Rhizobium-legume symbiosis: Factors influencing effectiveness,” Monday, September 19, 2011, at 4:00 PM in Lecture Center 10.

Dr. Chris Rensing, Microbiology Job Candidate, will present his seminar, “Controlling Cellular Concentrations of Copper and Arsenic for a healthier future,” Thursday, September 22, 2011, at 4:00 PM in Lecture Center 10.

PUBLICATIONS


DEPARTMENT NEWS

We have added a new “Bundle of Joy” to the department this week. Olavi Arthur, son of Jessica Fultz and Ken Aho, born September 12, 2011. Congratulations to the new parents!

JOB OPPORTUNITIES

The Department of Biological Sciences is now accepting Undergraduate Teaching Assistant (UGTA) applications. The deadline for submitting applications to the Department is September 23, 2011. Being an undergraduate teaching assistant is a terrific way to share your knowledge, gain confidence, and prepare yourself for leadership roles. Teaching in the General Biology and Anatomy and Physiology labs can be an excellent review of material to help you prepare for exams such as the DAT, MCAT, and GRE. Minimum requirements include a 3.25 GPA in your Major, at least a junior class standing (58+ credits), and have earned an A- or better in the course that you are applying to teach. We are accepting applications for Undergraduate Teaching Assistants in the following courses: Concepts in Biology: Human Concerns (BIOL 1100L); Biology I (BIOL 1101L); Biology II (BIOL 1102L); and Anatomy and Physiology (BIOL
Those students selected as UGTAs will assist Graduate Teaching Assistants during the laboratories for BIOL 1100, 1101, 1102, or 3301, 3302, doing such things as helping students with models, microscopes, and experiments; answering questions; and moving around the room for students who need assistance. UGTAs typically have a commitment of 8 - 10 hours per week ($8.00/hour) for the entire semester (lab sections are 2-3 hours each + TA meeting). To apply, submit a copy of your unofficial transcript, a resume or contact information, and a paragraph explaining which of the above biology courses you would like to TA and why to: Department of Biological Sciences, UGTA positions, Mail Stop 8007, ISU.

Southeast Idaho Project Manager, Trout Unlimited, Idaho Water Project, Pocatello, Idaho. TU’s Southeast Idaho Project Manager will have on-the-ground responsibilities related to developing and implementing fish passage, streamflow, and riparian restoration projects both on private lands and in partnership with key public agencies such as the Idaho Department of Fish and Game, U.S. Forest Service and Bureau of Land Management. The Project Manager will facilitate and implement fisheries conservation and restoration projects in the Portneuf and other projects in SE Idaho watersheds like the Snake, Bear, Wood and Raft River Basins. The Project Manager will also work closely with other TU programs such as Watersheds and Sportsmen’s Conservation Project, and the local TU chapter, the SE Idaho Flyfishers, to identify and coordinate outreach and restoration opportunities. Please send all resumes and three references to schristensen@tu.org with the subject line “Southeast Idaho Project Manager.” For more information on TU’s Idaho Water Project, visit us at http://www.tu.org/conservation/western-water-project/idaho.

Sage Grouse Initiative Range and Wildlife Conservationists. Application Deadline: September 20, 2011, at 5:00 p.m. Locations: Forsyth, Malta, and Winnett, Montana. Anticipated Start Date: early November 2011. Overview: This announcement is for three positions. These Montana Association of Conservation Districts (MACD) positions are part of a collaborative effort between the USDA Natural Resources Conservation Service (NRCS) and Intermountain West Joint Venture (IWJV), to further the delivery of the NRCS Sage-Grouse Initiative. Each position provides rangeland technical assistance for the Sage-Grouse Initiative and associated Farm Bill conservation programs to agriculture producers and landowners. Each position will be an employee of MACD with daily instruction and leadership provided by NRCS District Conservationist. NOTE: Each position is funded for three years only. For more information, email mail@macdnet.org or jtiberi@macdnet.org.

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PUBLICATIONS


DEPARTMENT NEWS

Jessica Fultz has worked in Biological Sciences since August 2007. She started as an irregular teaching assistant and is the Instructional Lab Coordinator now. She has a Masters in Entomology, which is the study of insects. She likes to bike, ski, climb, read, and visit with friends and family. Jessica was recognized as being an outstanding colleague. She is gracious, informative, and helpful. Congratulations Jessica!

Randy Owings has worked as a custodian in Facilities for 37 years! He has a degree in Accounting from Links Technical Institute in Boise, Idaho. Randy likes to ride bicycles and walk whenever he gets the opportunity. Randy was recognized for bringing a smile and laughter to the Biology building. He is a wonderfully pleasant guy who puts others in a good mood. Congratulations Randy!
The Department of Biological Sciences is now accepting Undergraduate Teaching Assistant (UGTA) applications. The deadline for submitting applications to the Department is September 23, 2011.

Being an undergraduate teaching assistant is a terrific way to share your knowledge, gain confidence, and prepare yourself for leadership roles. Teaching in the General Biology and Anatomy and Physiology labs can be an excellent review of material to help you prepare for exams such as the DAT, MCAT, and GRE. Minimum requirements include a 3.25 GPA in your Major, at least a junior class standing (58+ credits), and have earned an A- or better in the course that you are applying to teach. **We are accepting applications for Undergraduate Teaching Assistants in the following courses:** Concepts in Biology: Human Concerns (BIOL 1100L); Biology I (BIOL 1101L); Biology II (BIOL 1102L); and Anatomy and Physiology (BIOL 3301L or BIOL 3302L). Those students selected as UGTAs will assist Graduate Teaching Assistants during the laboratories for BIOL 1100, 1101, 1102, or 3301, 3302, doing such things as helping students with models, microscopes, and experiments; answering questions; and moving around the room for students who need assistance. **UGTAs typically have a commitment of 8 -10 hours per week ($8.00/hour) for the entire semester (lab sections are 2-3 hours each + TA meeting).**

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**Sage-Grouse Initiative Range and Wildlife Conservationist.** **Application Deadline: September 16, 2011.** **Location:** Burley, Idaho; Mountain Home, Idaho (2 positions). **Anticipated Start Date:** October 2011. **Overview:** This position is part of a collaborative effort among the USDA Natural Resources Conservation Service (NRCS), Intermountain West Joint Venture (IWJV), Idaho Department of Fish and Game, U.S. Fish and Wildlife Service and Pheasants Forever to further the delivery of the NRCS Sage-Grouse Initiative (SGI). This position provides range /wildlife technical assistance for the Sage-Grouse Initiative and associated Farm Bill conservation programs to agriculture producers and landowners. This position will be an employee of Pheasants Forever Inc. with daily instruction and leadership provided by the NRCS State Conservationist and District Conservationist. To Apply: Visit our Recruitment website at: [https://home.eease.adp.com/recruit/?id=837391](https://home.eease.adp.com/recruit/?id=837391).

**Sage-Grouse Initiative Range and Wildlife Conservationist.** **Location:** Belle Fourche, South Dakota **Application Deadline: September 16, 2011.** **Anticipated Start Date:** October 2011. **Overview:** This position is part of a collaborative effort among the USDA Natural Resources Conservation Service (NRCS), Intermountain West Joint Venture (IWJV), South Dakota Game, Fish and Parks, and Pheasants Forever to further the delivery of the NRCS Sage-Grouse Initiative (SGI). This position provides range /wildlife technical assistance for the Sage-Grouse Initiative and associated Farm Bill conservation programs to agriculture producers and landowners. This position will be an employee of Pheasants Forever Inc. with daily instruction and leadership provided by the NRCS District Conservationist. To Apply: Visit our Recruitment website at: [https://home.eease.adp.com/recruit/?id=837571](https://home.eease.adp.com/recruit/?id=837571).
Sage-Grouse Initiative Range and Wildlife Conservationist. Application Deadline: September 16, 2011. Location: Ephrata, Washington. **Anticipated Start Date:** October 2011. **Overview:** This position is part of a collaborative effort among the USDA Natural Resources Conservation Service (NRCS), Intermountain West Joint Venture (IWJV), U.S. Fish and Wildlife Service and Pheasants Forever to further the delivery of the NRCS Sage-Grouse Initiative (SGI). This position provides range /wildlife technical assistance for the Sage-Grouse Initiative and associated Farm Bill conservation programs to agriculture producers and landowners. This position will be an employee of Pheasants Forever Inc. with daily instruction and leadership provided by the NRCS Central Area Conservationists and District Conservationists. **To Apply:** Visit our Recruitment website at: [https://home.eease.adp.com/recruit/?id=837611](https://home.eease.adp.com/recruit/?id=837611).

Sage Grouse Initiative Range and Wildlife Conservationists. Application Deadline: September 20, 2011, at 5:00 p.m. Locations: Forsyth, Malta, and Winnett, Montana. **Anticipated Start Date:** early November 2011. **Overview:** This announcement is for three positions. These Montana Association of Conservation Districts (MACD) positions are part of a collaborative effort between the USDA Natural Resources Conservation Service (NRCS) and Intermountain West Joint Venture (IWJV), to further the delivery of the NRCS Sage-Grouse Initiative. Each position provides rangeland technical assistance for the Sage-Grouse Initiative and associated Farm Bill conservation programs to agriculture producers and landowners. Each position will be an employee of MACD with daily instruction and leadership provided by NRCS District Conservationist. NOTE: Each position is funded for three years only. **For more information,** email mail@macdnet.org or jtiberi@macdnet.org.

**OPPORTUNITIES**

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: [www.nationalacademies.org/rap](http://www.nationalacademies.org/rap). Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four review cycles annually. **Upcoming deadlines are:** November 1, 2011 and February 1, 2012. Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

**PAYROLL INFORMATION**

Our next pay period ends Saturday, September 17, 2011. Please be sure to submit your time by Monday, September 19, at 12 NOON. This gives your approver time to approve your time card and fix any problems by Tuesday, September 20, 2011, when time cards are due to Payroll.
**Idaho State University ANNOUNCEMENTS FOR THE WEEK OF AUGUST 28, 2011**

Please submit newsletter information to Pam at chripame@isu.edu

**Faculty/Staff/Other Meetings**

Department of Biological Sciences Faculty Meeting will be held Tuesday, August 30, 2011, in the Lecture Center 15/17 at noon.

**Seminars**

J. Ryan Bellmore, PhD student with Dr. Colden Baxter, will present his defense seminar, “The Ecological Importance of Floodplains in Montane River Networks: Implications for Habitat Restoration and Salmon Recovery,” on Tuesday, August 30, 2011, at 1:00 PM in PLSCI 114.

**Publications**


**Department News**


Dr. Amanda Fisher, PhD student of Dr. Scot Kelchner, has competed successfully for a Postdoctoral Fellow position at Rancho Santa Ana Botanic Gardens in Claremont, California. Beginning in August, she will work with Dr. Travis Columbus and co-PIs on the evolution of arid land grasses. Rancho is one of the top research botanical gardens in the nation.

**Job Opportunities**

The Idaho Department of Fish and Game has a statewide opening for a Biologist, Wildlife Research Senior position on an open competitive announcement until Tuesday, September 6, 2011. We would really appreciate your help in posting this position to those who may be interested. The announcement is located at the following link: [https://labor.idaho.gov/dhr/ats/statejobs/jobannouncement.aspx?announcement_no=00943036185](https://labor.idaho.gov/dhr/ats/statejobs/jobannouncement.aspx?announcement_no=00943036185).

Applications will only be accepted through this website. EEO/Vets Pref

Southeast Idaho Project Manager, Trout Unlimited, Idaho Water Project, Pocatello, Idaho. TU’s Southeast Idaho Project Manager will have on-the-ground responsibilities related to developing and implementing fish passage, streamflow, and riparian restoration projects both on private lands and in partnership with key public agencies such as the Idaho Department of Fish and Game, U.S. Forest Service and Bureau of Land Management. The Project Manager will facilitate and implement fisheries conservation
and restoration projects in the Portneuf and other projects in SE Idaho watersheds like the Snake, Bear, Wood and Raft River Basins. The Project Manager will also work closely with other TU programs such as Watersheds and Sportsmen’s Conservation Project, and the local TU chapter, the SE Idaho Flyfishers, to identify and coordinate outreach and restoration opportunities. **Please send** all resumes and three references to schristensen@tu.org with the subject line “Southeast Idaho Project Manager.” **For more information** on TU’s Idaho Water Project, visit us at [http://www.tu.org/conservation/western-water-project/idaho](http://www.tu.org/conservation/western-water-project/idaho).

**OPPORTUNITIES**

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: [www.nationalacademies.org/rap](http://www.nationalacademies.org/rap). Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four review cycles annually. **Upcoming deadlines are: November 1 2011 and February 1, 2012.** Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

**PAYROLL INFORMATION**

Our next pay period ends Saturday, September 3, 2011. Please be sure to **submit your time by Monday, September 5, at 12 NOON**. This gives your approver time to approve your time card and fix any problems by **Tuesday, September 6, 2011**, when time cards are due to Payroll.
Please submit newsletter information to Pam at chripame@isu.edu

ANNOUNCEMENTS FOR AUGUST 2011

FACULTY/STAFF/OTHER MEETINGS
There will NOT be a Biological Sciences Faculty Meeting until Fall 2011 semester.

PUBLICATIONS

JOB OPPORTUNITIES
The College of Idaho and Boise State University are seeking a botanical database supervisor. This is an NSF-funded, one-year position with likely extension pending productivity. The botanical database supervisor (DBS) will be responsible for the accurate and efficient digitization of specimens and label data entry from the collections at The College of Idaho (CIC), Boise State University (SRP) and the several local agency collections that comprise the collections of vascular plants and fungi of the Southwest Idaho region. The position description is at this link: http://www.collegeofidaho.edu/jobs. For inquiries contact Don Mansfield at dmansfield@collegeofidaho.edu. Applications will be accepted until Wednesday, August 10, 2011.

The Idaho Department of Fish and Game has Fish Culturist positions for statewide openings on open competitive announcement until Wednesday, August 10, 2011. Applications will only be accepted through this website. EEO/Vets Pref. The announcement is located at the following link: https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00810060118.

OPPORTUNITIES
The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: www.nationalacademies.org/rap. Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four review cycles annually. Upcoming deadlines are: August 1, 2011, November 1 2011, and February 1, 2012. Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.
PAYROLL INFORMATION

Our next pay period ends Saturday, August 6, 2011. Please be sure to submit your time by Monday, August 8, at 12 NOON. This gives your approver time to approve your time card and fix any problems by Tuesday, August 9, 2011, when time cards are due to Payroll.
FACULTY/STAFF/OTHER MEETINGS

There will NOT be a Biological Sciences Faculty Meeting until Fall 2011 semester.

SEMINARS

Dr. Paul Constantino, Marshall University, Anatomist Candidate, will present his seminar, “Dental Fracture Mechanics: Understanding How and Why Teeth Break,” on Thursday, June 2, 2011, at 2:00 PM in Plant Sciences 114.

DEPARTMENT NEWS

Congratulations to the following graduate students who were awarded the 2011 Molecular Research Core Facility (MRCF) Graduate Student Seed Grants: Jason Blakney, graduate student of Drs. Janet Loxterman and Ernest Keeley; Gaurav Kaushik, graduate student of Dr. Mike Thomas; Kinta Serve, graduate student of Dr. Jean Pfau; and Monica Tromp, graduate student of Dr. John Dudgeon of the Anthropology Department. Each student was awarded $500 to be used for MRCF services or instrument usage.

Jennilee Overocker was chosen as an ISU Cares “Spot” Award Winner for April! Jennilee has worked in Biological Sciences for 4 years. She started out as a work study student for 3 years, and for the past year she has been the Office Specialist II. She is currently working on a History Education degree here at ISU. She likes to go camping, running, or anything outdoor related, and spending time with her family. Jennilee was commended for being friendly, helpful and providing excellent service. Congratulations, Jennilee!

OPPORTUNITIES

The Department of Energy’s (DOE) and the Office of Energy Efficiency and Renewable Energy (EERE) are accepting applications for two new research fellowships. Research Areas: Energy Efficiency: Buildings - Industry – Vehicles and Renewable Energy: Biomass – Hydrogen & Fuel Cells – Geothermal – Solar – Water –Wind. Yearly Stipend - Research Allowance - Health Insurance - Relocation Travel - Two Years of Support. Postdoctoral Fellowships: Research opportunities for recent Ph.D. graduates... The EERE Postdoctoral Fellowships support its mission in energy efficiency and renewable energy by offering recent Ph.D. recipients the opportunity to conduct applied research at universities, national laboratories, and other research facilities. Application deadline is June 30, 2011. More information and application materials can be found at http://www1.eere.energy.gov/education/postdoctoral_fellowships/. Science and Technology Policy Fellowships: Policy-related projects for Ph.D. scientists and engineers... The EERE Science and Technology Policy (STP) Fellowships will serve as the next step in the educational and professional development of scientists and engineers interested in energy efficiency and renewable energy policy. Selected applicants will be assigned to participate in policy-related projects at DOE's Office of Energy Efficiency and Renewable Energy in Washington, D.C. Applications will be accepted on a rolling basis. For more information and application materials, visit:
The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: www.nationalacademies.org/rap. Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four review cycles annually. Upcoming deadlines are: August 1, 2011, November 1 2011, and February 1, 2012. Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

**JOB OPPORTUNITIES**

**POWER Engineers** is seeking Wildlife (Ornithology) Technicians. Duties include: make observations and record data relating to bird studies for renewable and traditional energy development; document occurrence and distribution of identified species; inventory rare and endangered species habitat; participate in environmental studies documenting factors affecting wildlife species and habitat; lead or conduct field searches for populations of sensitive, threatened, or endangered wildlife species; photograph; collect ecological site information to include: population distribution, condition, trend, and associated species; geology, soil type, and prepare survey and biological reports. Ideal candidates will have: the ability to identify western U.S. bird species by sight and sound, especially great basin and intermountain west species. Experience with a range of terrestrial ecosystems throughout the Pacific Northwest, Intermountain West, and Great Plains. Ideal candidates will be well versed in: survey techniques and methodologies; gathering data for: population counts, reproductive performance, food habits, prey densities, and habitat distribution. Birding experience, including raptor identification and nest searching experience required. Candidates must be able to: document locations using maps and GIS/GPS technology, enter data into databases and study files; interpret aerial photos to determine land use and vegetation distribution and to plot nest locations, visible and audible observations, and or breeding sites. Excellent writing and note taking skill are required. The work is performed outdoors in rugged terrain; to include steep, wet, muddy, rough, uneven or rocky surfaces; positions require physical exertions, such as, bending, crouching, stooping, stretching, reaching, and similar activities. Individuals should be capable of working alone, or with other people, during early morning hours, night, or during the day, work may occur in extreme temperatures (hot & cold) and may involve some camping. Location of work will be based on project need. Current projects are in California, Idaho, Montana, Nebraska, Washington, and Wyoming. Home office is negotiable; salary will be dependent on experience. The position will last from the end of May and last through the 2011 field season. Please visit www.powerengineers.jobs and select Employment Listings to apply for Position #1576.

**Miller Coors has a job opening.** This role will involve working on an ongoing experiment involving barley breeding. The successful candidate will need a BS in biology, horticulture, botany, or related field. This is an entry-level position located in Burley, Idaho, paying $14.50 per hour. Nice starting point for someone looking to gain experience towards further botany work. For more information contact Alex Dooley, Recruiter, On Assignment, Inc. Email at milwaukee@labsupport.com.
The Rocky Mountain Research Station (RMRS), Human Dimensions Program, is preparing to advertise a permanent full-time Supervisory Biologist/Social Scientist/Economist Position (Aldo Leopold Wilderness Research Institute (Leopold Institute) Director) GS-401/101/110-14/15. The Leopold Institute is a premier interagency institute for wilderness stewardship research. As such, it is the focal point for scientists and managers from different disciplines and backgrounds who seek to conduct, communicate, and learn science that addresses the challenges of wilderness stewardship, including the sustainability of wild ecosystems and relationships between people and wild lands. **DUTY STATION:** This position is located in Forest Service facilities on the campus of the University of Montana in Missoula. Interested candidates can visit the RMRS website at: http://fsweb.missoula.rmrs.fs.fed.us/

**Seasonal Biological/Restoration Specialist. Job Description:** Responsible for collecting and analyzing data for restoration projects associated with drilling activities of the oil & gas industry. Position requires extensive travel with roughly 90% of the time based in field. **Position Experience & Educational Requirements:** Junior or senior-level student majoring in botany, ecology or related field, Strong verbal and written communication skills, Familiarity with Microsoft Word, Excel and Access, Familiarity with the Great Basin flora of western North America, Ability and willingness to work independently, Ability to perform tasks requiring physical exertion, outdoors, in all weather conditions, and on difficult terrain, Ability to work safely and follow all safety protocols, and Must have valid driver’s license and able to travel in four-state region (Idaho, Wyoming, Utah, Colorado) using 4x4 pick-up truck. **Application procedure:** Send resume with cover letter to Shelly Kleinkopf, Human Resources Manager, Conservation Seeding & Restoration, Inc., 506 Center St. West, Kimberly, ID 83341. Electronic submissions to hr@csr-inc.com are preferred. No phone calls please. Position remains open until filled.

The U.S. Forest Service will be hiring temporary biological technicians for the 2011 field season. **Positions will be based out of Avery, Idaho.** Technician will assist with data collection in various fish and wildlife projects. Appropriate training will be provided. In addition to the above duties, positions may require: Doing a variety of stream measurements, installing and maintaining research plots, carrying a pack with field and safety gear, hiking through rough terrain, using a GPS unit to navigate to and record field locations, using a PDA for certain types of data entry, driving Forest Service vehicles on paved and dirt roads, frequent camping, and working with others on a small field crew. A strong interest in fisheries and/or wildlife biology is required. Must be able to work with a small field crew in a variety of physical conditions, have a positive attitude, good work ethic, and enjoy field work, hiking, and camping. **Seasonal positions. Dates:** June through September. Dates are flexible. **Location:** Avery, Idaho. Housing is provided at the cost of about $3 a day. **Pay:** GS-3 ($11.95/hour) or GS-4 ($13.41/hour). **Student Applicants:** You may apply as a student if you are accepted or enrolled as a degree-seeking student, are enrolled at least half time in the spring of 2011 and planning to enroll at least half time for the fall of 2011, are in good academic standing. Submit (1) a cover letter, (2) transcripts, and (3) a complete resume which includes exact dates of employment, employer name and address, supervisor name and phone number, detailed description of your duties, your available dates (from and to), and location/GS level(s) you'd like to apply for. **Send to:** chemping@fs.fed.us. **For full consideration, submit your application ASAP.** Interested parties call: Craig Hemping, 34 Debbitt Way, Avery, ID 83802. **Phone:** 208-245-6242.

**PAYROLL INFORMATION**

Our pay period ends Saturday, June 11, 2011. Please be sure to submit your time by Monday, June 13, at 12 NOON. This gives your approver time to approve your time card and fix any problems by Tuesday, June 14, 2011, when time cards are due to Payroll. If you have employees working for you, you need to make sure they are submitting their hours and that you are approving their time cards on time.
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**FACULTY/STAFF/OTHER MEETINGS**

There will NOT be a Biological Sciences Faculty Meeting until Fall 2011 semester.

**PUBLICATIONS**


**DEPARTMENT NEWS**

Congratulations to Amanda Searle, MS student with Dr. Gene Scalarone, who was chosen as the Outstanding Graduate Teaching Assistant for 2011; to Kevin Monteith, PhD student with Dr. Terry Bowyer, who was chosen as the Outstanding Graduate Researcher for 2011; and to Andrew Carroll, undergraduate student working with Dr. Curt Anderson, who was chosen as the Outstanding Graduating Senior for 2011.

**OPPORTUNITIES**

**The Department of Energy’s (DOE) and the Office of Energy Efficiency and Renewable Energy (EERE) are accepting applications for two new research fellowships.**  
**Postdoctoral Fellowships:** Research opportunities for recent Ph.D. graduates... The EERE Postdoctoral Fellowships support its mission in energy efficiency and renewable energy by offering recent Ph.D. recipients the opportunity to conduct applied research at universities, national laboratories, and other research facilities. **Application deadline is June 30, 2011.** More information and application materials can be found at [http://www1.eere.energy.gov/education/postdoctoral_fellowships/](http://www1.eere.energy.gov/education/postdoctoral_fellowships/).  
**Science and Technology Policy Fellowships:** Policy-related projects for Ph.D. scientists and engineers... The EERE Science and Technology Policy (STP) Fellowships will serve as the next step in the educational and professional development of scientists and engineers interested in energy efficiency and renewable energy policy. Selected applicants will be assigned to participate in policy-related projects at DOE's Office of Energy Efficiency and Renewable Energy in Washington, D.C. Applications will be accepted on a rolling basis. For more information and application materials, visit: [http://www1.eere.energy.gov/education/stp_fellowships.html](http://www1.eere.energy.gov/education/stp_fellowships.html). Applicants selected as Fellows may have the additional distinction of guiding the implementation of the new solar SunShot Initiative in the DOE Solar Energy Technologies Program. The SunShot Fellows will have a key leadership role in beginning new research and development programs to achieve the goal of $1/W installed photovoltaics by 2020.

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for...
additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: www.nationalacademies.org/rap. Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four review cycles annually. Upcoming deadlines are: August 1, 2011, November 1, 2011, and February 1, 2012. Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

**JOB OPPORTUNITIES**

**Miller Coors has a job opening.** This role will involve working on an ongoing experiment involving barley breeding. The successful candidate will need a BS in biology, horticulture, botany, or related field. This is an entry-level position located in Burley, Idaho, paying $14.50 per hour. Nice starting point for someone looking to gain experience towards further botany work. For more information contact Alex Dooley, Recruiter, On Assignment, Inc. Email at milwaukee@labsupport.com.

The Rocky Mountain Research Station (RMRS), Human Dimensions Program, is preparing to advertise a permanent full-time Supervisory Biologist/Social Scientist/Economist Position (Aldo Leopold Wilderness Research Institute (Leopold Institute) Director) GS-401/101/110-14/15. The Leopold Institute is a premier interagency institute for wilderness stewardship research. As such, it is the focal point for scientists and managers from different disciplines and backgrounds who seek to conduct, communicate, and learn science that addresses the challenges of wilderness stewardship, including the sustainability of wild ecosystems and relationships between people and wild lands. **DUTY STATION:** This position is located in Forest Service facilities on the campus of the University of Montana in Missoula. Interested candidates can visit the RMRS website at: http://fsweb.missoula.rmrs.fs.fed.us/

**FISHERIES BIOLOGIST - Kootenai Tribe of Idaho.** **Responsibilities:** Assist Director and Hatchery Manager with planning, development, and implementation of long-term mitigation strategies for fish and habitat losses associated with the operation of Libby Dam. Knowledge and understanding of aquatic ecology, native fish biology (including sturgeon and burbot), aquaculture, and habitat restoration is required. Excellent skills in communication (both oral and written), proposal and report writing, data analysis and interpretation are required. The applicant must demonstrate supervisory skills and the ability to work collaboratively with Kootenai fish and wildlife staff, Tribal project teams, and other agency personnel to coordinate interagency research, communication, and other activities for habitat and native fish restoration. Additionally, an understanding and knowledge of Kootenai Tribal history is a desired attribute. **Qualifications:** Requires B.S. degree in fisheries management (or closely related field) and 6 years of related professional experience OR M.S. degree in fisheries management (or closely related field) and 4 years of related professional experience OR PhD in fisheries management (or closely related field) and 2 years of related professional experience. **Salary:** Commensurate with Experience. **Closing Date:** May 31, 2011. **To apply:** Please send cover letter, resume, three references, and college transcripts to: Kootenai Tribe of Idaho, Fish and Wildlife Department, P.O. Box 1269, Bonners Ferry, ID 83805, Attention: Sue Ireland. **Telephone:** 208 267-3620. **Email:** ireland@kootenai.org. Native American Preference Will Be Exercised

The Twin Falls County Pest Abatement District is looking to hire summer help. Please go to this website and choose the job link for additional information: http://www.tfcpad.org/

**Seasonal Biological/Restoration Specialist. Job Description:** Responsible for collecting and analyzing data for restoration projects associated with drilling activities of the oil & gas industry. Position requires
extensive travel with roughly 90% of the time based in field. **Position Experience & Educational Requirements:** Junior or senior-level student majoring in botany, ecology or related field, Strong verbal and written communication skills, Familiarity with Microsoft Word, Excel and Access, Familiarity with the Great Basin flora of western North America, Ability and willingness to work independently, Ability to perform tasks requiring physical exertion, outdoors, in all weather conditions, and on difficult terrain, Ability to work safely and follow all safety protocols, and Must have valid driver’s license and able to travel in four-state region (Idaho, Wyoming, Utah, Colorado) using 4x4 pick-up truck. **Application procedure:** Send resume with cover letter to Shelly Kleinkopf, Human Resources Manager, Conservation Seeding & Restoration, Inc., 506 Center St. West, Kimberly, ID 83341. Electronic submissions to hr@csr-inc.com are preferred. No phone calls please. Position remains open until filled.

The U.S. Forest Service will be hiring temporary biological technicians for the 2011 field season. **Positions will be based out of Avery, Idaho.** Technician will assist with data collection in various fish and wildlife projects. Appropriate training will be provided. In addition to the above duties, positions may require: Doing a variety of stream measurements, installing and maintaining research plots, carrying a pack with field and safety gear, hiking through rough terrain, using a GPS unit to navigate to and record field locations, using a PDA for certain types of data entry, driving Forest Service vehicles on paved and dirt roads, frequent camping, and working with others on a small field crew. A strong interest in fisheries and/or wildlife biology is required. Must be able to work with a small field crew in a variety of physical conditions, have a positive attitude, good work ethic, and enjoy field work, hiking, and camping. Seasonal positions. **Dates:** June through September. Dates are flexible. **Location:** Avery, Idaho. Housing is provided at the cost of about $3 a day. **Pay:** GS-3 ($11.95/hour) or GS-4 ($13.41/hour). **Student Applicants:** You may apply as a student if you are accepted or enrolled as a degree-seeking student, are enrolled at least half time in the spring of 2011 and planning to enroll at least half time for the fall of 2011, are in good academic standing. Submit (1) a cover letter, (2) transcripts, and (3) a complete resume which includes exact dates of employment, employer name and address, supervisor name and phone number, detailed description of your duties, your available dates (from and to), and location/GS level(s) you'd like to apply for. **Send to:** chemping@fs.fed.us. **For full consideration, submit your application ASAP.** Interested parties call: Craig Hemping, 34 Debbitt Way, Avery, ID 83802. **Phone:** 208-245-6242.

**PAYROLL INFORMATION**

*Our pay period ends Saturday, May 14, 2011. Please be sure to submit your time by Monday, May 16, at 12 NOON. This gives your approver time to approve your time card and fix any problems by Tuesday, May 17, when time cards are due to Payroll. If you have employees working for you, you need to make sure they are submitting their hours and that you are approving their time cards on time.*
FACULTY/STAFF/OTHER MEETINGS

There will not be a Biological Sciences Faculty Meeting Tuesday, May 3, 2011.

SEMINARS

Idaho State University Department of Biological Sciences presents the G.W. Minshall Lecture Series in Ecology. Dr. Mary Power, an accomplished ecologist and professor of Integrative Biology from UC Berkeley, will be visiting our campus during the first week of May. Dr. Power will present a lecture, “Algal Mediated Connections of River, Watershed, and Coastal Marine Food Webs, “on Thursday, May 5, 2011, at 4:00 PM in LC10. Please join us for this great opportunity to learn about our environment.

DEPARTMENT HIGHLIGHTS

Congratulations to Dr. Terry Bowyer who has been named 2011 Distinguished Researcher at Idaho State University.

UPCOMING EVENTS

The Department of Biological Sciences 31st Annual Reception honoring the graduating classes of Summer 2010, Fall 2010, and Spring 2011 will be Friday, May 6, 2011, at 2:00 PM in the foyer of the Gale Life Science Building.

OPPORTUNITIES

Idaho National Laboratory – BIOMASS CHARACTERIZATION Summer 2011 Internships.

Eligibility Requirements: Enrolled student status at an accredited US college or university; Ability to pass a background check; US citizenship; Minimum of 3.0 cumulative GPA; University Senior complete or Grad Student in plant science, plant physiology, biology, or chemistry or a related field; Plant scientist/Botanist/Biologist; Background in plant physiology/microstructure; and Microscopy experience.

To be considered for a 2011 internship, applicants must apply on-line against internship postings at www.inl.gov/careers for more information on Education Programs visit www.inl.gov/education. Applicants may search for postings by keyword “internship” at www.inl.gov/careers and apply to any of the following postings: 6310 BEA Internship – Engineering (all disciplines) or 6313 BEA Internship – Energy and Environmental Sciences (All Life and Physical Sciences). Application Process: When asked to upload your resume to your application, please upload one (1) file that includes the following: Current Resume or Curriculum Vitae (CV); Unofficial transcripts, and Current class schedule including number of credits. **Applications that do not include items above in a single file (valid extensions include .doc, .docx, .html, .htm, .txt, .rtf, and .pdf) may be ineligible. To reduce the potential for file load errors, please limit the title of your resume file to 45 characters or less, with no special characters. Contact Information: Todd D.
Johnson, Internship Program Specialist, Idaho National Laboratory, 2525 N. Fremont Avenue, Idaho Falls, Idaho 83415-3790.  **Phone:** 208-526-1945.  **Email:** todd.johnson5@inl.gov.  **Deadline:** May 14, 2011.

**Idaho National Laboratory - Winter 2010/Summer 2011 Internships.**  Requirements include: Enrolled at least half time (minimum 6 credits) student status at an accredited US college/university or recent graduate (within the past 6 months) are eligible for one 16 week internship; Pass a background check; Minimum of 2.5 cumulative GPA (Individual mentors may require a higher GPA); Collegiate applicants must have completed the freshman year of college (24 credits minimum); Foreign National students may be eligible for internships if attending an accredited US college or university and have a Curricular Practical Training Authorization.  **To be considered for a 2011 internship,** applicants must apply on-line against internship postings at www.inl.gov/careers, for more information on Education Programs visit www.inl.gov/education.  When asked to upload your resume to your application, please upload one file that includes the following: Current Resume or Curriculum Vitae (CV); Unofficial transcripts for all in-progress and completed degrees; and Current class schedule including number of credits.  **Deadline:** May 14, 2011.

The Department of Energy’s (DOE) and the Office of Energy Efficiency and Renewable Energy (EERE) are accepting applications for two new research fellowships.  **Research Areas:** Energy Efficiency: Buildings - Industry – Vehicles and Renewable Energy: Biomass – Hydrogen & Fuel Cells – Geothermal – Solar – Water –Wind.  **Yearly Stipend - Research Allowance - Health Insurance - Relocation Travel - Two Years of Support.**  **Postdoctoral Fellowships:** Research opportunities for recent Ph.D. graduates...  The EERE Postdoctoral Fellowships support its mission in energy efficiency and renewable energy by offering recent Ph.D. recipients the opportunity to conduct applied research at universities, national laboratories, and other research facilities.  **Application deadline is June 30, 2011.**  More information and application materials can be found at http://www1.eere.energy.gov/education/postdoctoral_fellowships/.  **Science and Technology Policy Fellowships:** Policy-related projects for Ph.D. scientists and engineers...  The EERE Science and Technology Policy (STP) Fellowships will serve as the next step in the educational and professional development of scientists and engineers interested in energy efficiency and renewable energy policy.  **Application deadline is June 30, 2011.**  Selected applicants will be assigned to participate in policy-related projects at DOE's Office of Energy Efficiency and Renewable Energy in Washington, D.C. Applications will be accepted on a rolling basis. For more information and application materials, visit: http://www1.eere.energy.gov/education/stp_fellowships.html.  Applicants selected as Fellows may have the additional distinction of guiding the implementation of the new solar SunShot Initiative in the DOE Solar Energy Technologies Program. The SunShot Fellows will have a key leadership role in beginning new research and development programs to achieve the goal of $1/W installed photovoltaics by 2020.

**The National Research Council of the National Academies** sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: www.nationalacademies.org/rap.  Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu.  There are four review cycles annually.  **Upcoming deadlines are:**  May 1, 2011, August 1, 2011, November 1 2011, and February 1, 2012.  Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

**The Greater Yellowstone Coalition (GYC)** is offering an opportunity for students with an interest in grizzly bear conservation and policy within the Greater Yellowstone Ecosystem (GYE). The internship will provide a student the opportunity to understand resource policy among grizzly bear management agencies,
investigate existing science literature, and work with conservation professionals on crafting policy recommendations for enhancing grizzly bear protection. **ESSENTIAL DUTIES AND RESPONSIBILITIES:** Review relevant grizzly bear research and management in the Greater Yellowstone Ecosystem; Create a status report of grazing allotments in GYE; Research status of grizzly bear-human conflicts in GYE, and identifying tools for reducing conflict such as public education and outreach; Summarize potential future habitat expansions for grizzly bears in GYE; Assess the best practices among the five national forests that surround Yellowstone National Park, and identify the range of regulatory protections; Review current state and federal agency management plans or strategies to assess policy recommendations aimed at improving security for grizzly bears; Assist in convening a science panel to synthesize knowledge about and recommendations for management of grizzly bears in GYE.

**QUALIFICATIONS:** Ability to read and interpret scientific literature on grizzly bears and wildlife conservation, and be able to communicate with researchers about the meaning of that research; Writing skills required. Applicants must be an accomplished writer able to synthesize complex material into readily understandable reports; Analytical skills. Applicants must be conversant with analytical tools such as Geographical Information Systems (GIS) and be able to communicate analysis needs to GIS computer analysts; Understanding of policy. Applicants must be familiar with how conservation policies are established and implemented at local, state, and federal levels; Graduate student preferred. The applicant must be a current student or recent graduate of a university in Montana, Wyoming or Idaho; Location is Bozeman, Montana (preferred); The internship consists of 12-weeks FTE (480 hours), beginning June, 2011; Students may use this internship to satisfy academic requirements, contribute to research for their thesis or dissertation, and/or contribute to a professional paper; Compensation for the internship is $15/hour. Approved work-related travel and other expenses covered. **APPLICATION:** Applications should include: Cover letter addressing the student’s interest in the internship, knowledge of and professional interest in conservation science, management or policy; resumé outlining the applicant’s experience and education; 3 references.

**REVIEW OF APPLICATIONS WILL BEGIN MAY 5, 2011,** and continue until the position is filled. Email applications (subject line “Grizzly Bear Internship and your name”) to: jobs@greateryellowstone.org. Questions should be directed to Mark Pearson at 406-586-1593 or to the above email address.

**JOB OPPORTUNITIES**

**The Twin Falls County Pest Abatement District** is looking to hire summer help. Please go to this website and choose the job link for additional information: [http://www.tfcpad.org/](http://www.tfcpad.org/).

**Seasonal Biological/Restoration Specialist. Job Description:** Responsible for collecting and analyzing data for restoration projects associated with drilling activities of the oil & gas industry. Position requires extensive travel with roughly 90% of the time based in field. **Position Experience & Educational Requirements:** Junior or senior-level student majoring in botany, ecology or related field, Strong verbal and written communication skills, Familiarity with Microsoft Word, Excel and Access, Familiarity with the Great Basin flora of western North America, Ability and willingness to work independently, Ability to perform tasks requiring physical exertion, outdoors, in all weather conditions, and on difficult terrain, Ability to work safely and follow all safety protocols, and Must have valid driver’s license and able to travel in four-state region (Idaho, Wyoming, Utah, Colorado) using 4x4 pick-up truck. **Application procedure:** Send resume with cover letter to Shelly Kleinkopf, Human Resources Manager, Conservation Seeding & Restoration, Inc., 506 Center St. West, Kimberly, ID 83341. Electronic submissions to hr@csr-inc.com are preferred. No phone calls please. Position remains open until filled.

**2011 Beneficial Use Reconnaissance Program (BURP).** The Department of Environmental Quality (DEQ) will be hiring Environmental Technicians to monitor Idaho’s streams to evaluate water quality conditions. Crews are based out of DEQ regional offices throughout Idaho and camp in remote locations three or more nights per week. Crews may be required to furnish their own camping and cooking equipment. Crews are provided transportation and monitoring equipment, as well as monitoring and CPR
training. Applicants must be available mid-June through August, with some positions working through September. **Great summer opportunity!** Working outdoors, Monitoring water quality, Collecting fish and aquatic insects, Electrofishing, Surveying Habitat, Performing stream bank surveys, and Hourly Pay + field day per diem. **Work may involve:** Exposure to inclement weather, Walking & hiking over rough terrain while, lifting & carrying up to 50lbs, Hiking in hip boots/waders over rough terrain and in streams, Working 4-ten hour days with 4 days off. **For Information contact:** Jason Pappani, DEQ State Office - 208-373-0502; Hawk Stone, Boise - 208-373-0550; Tom Herron, Coeur d'Alene - 208-769-1422; Daniel Stewart, Grangeville - 208-983-0808; Steve Robinson, Idaho Falls - 208-528-2650; Joshua Schultz, Pocatello - 208-236-6160; and Sean Woodhead, Twin Falls - 208-736-2190. **NEW THIS YEAR: APPLY ON LINE @ Division of Human Resources www.dhr.idaho.gov.** Announcement # NONCLS063242 April 1, 2011 - April 21, 2011, Department of Environmental Quality, Human Resources, 1410 N. Hilton, Boise, ID 83706. **Phone:** (208) 373-0333  **FAX:** (208) 373-0169. **Website:** www.deq.idaho.gov.

The Idaho Department of Fish and Game has the **Regional Wildlife Biologist – Population position** in **Salmon, Idaho**, on open competitive announcement until **May 2, 2011**. The announcement is located at the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835030756](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835030756). Applications will only be accepted through this website.  **EEO/Vet Pref**

The U.S. Forest Service will be hiring temporary biological technicians for the **2011 field season**. **Positions will be based out of Avery, Idaho.** Technician will assist with data collection in various fish and wildlife projects. Appropriate training will be provided. In addition to the above duties, positions may require: Doing a variety of stream measurements, installing and maintaining research plots, carrying a pack with field and safety gear, hiking through rough terrain, using a GPS unit to navigate to and record field locations, using a PDA for certain types of data entry, driving Forest Service vehicles on paved and dirt roads, frequent camping, and working with others on a small field crew. A strong interest in fisheries and/or wildlife biology is required. Must be able to work with a small field crew in a variety of physical conditions, have a positive attitude, good work ethic, and enjoy field work, hiking, and camping.  **Seasonal positions. Dates:** June through September. Dates are flexible.  **Location:** Avery, Idaho. Housing is provided at the cost of about $3 a day.  **Pay:** GS-3 ($11.95/hour) or GS-4 ($13.41/hour).  **Student Applicants:** You may apply as a student if you are accepted or enrolled as a degree-seeking student, are enrolled at least half time in the spring of 2011 and planning to enroll at least half time for the fall of 2011, are in good academic standing. Submit (1) a cover letter, (2) transcripts, and (3) a complete resume which includes exact dates of employment, employer name and address, supervisor name and phone number, detailed description of your duties, your available dates (from and to), and location/GS level(s) you'd like to apply for. **Send to:** chemping@fs.fed.us. **For full consideration, submit your application ASAP.**   **Interested parties call:** Craig Hemping, 34 Debbitt Way, Avery, ID 83802. **Phone:** 208-245-6242.

**PAYROLL INFORMATION**

*Our pay period ends Saturday, April 30, 2011. Please be sure to submit your time by Monday, May 2, at 12 NOON.* This gives your approver time to approve your time card and fix any problems by **Tuesday, May 3**, when time cards are due to Payroll. If you have employees working for you, you need to make sure they are submitting their hours and that you are approving their time cards on time.
ANNOUNCEMENTS FOR JUNE 2011

Please submit newsletter information to Pam at chripame@isu.edu

FACULTY/STAFF/OTHER MEETINGS

There will NOT be a Biological Sciences Faculty Meeting until Fall 2011 semester.

PUBLICATIONS


DEPARTMENT NEWS

Members of the ISU Stream Ecology Center traveled to Providence, Rhode Island, May 22-26, 2011, to participate in the annual meeting of the North American Benthological Society, the world’s leading society for freshwater science. In fact, the society has now been renamed, “The Society for Freshwater Science.”

The ISU group presented the following papers at the meeting:


OPPORTUNITIES

Solar – Water – Wind. Yearly Stipend - Research Allowance - Health Insurance - Relocation Travel - Two Years of Support. **Postdoctoral Fellowships:** Research opportunities for recent Ph.D. graduates... The EERE Postdoctoral Fellowships support its mission in energy efficiency and renewable energy by offering recent Ph.D. recipients the opportunity to conduct applied research at universities, national laboratories, and other research facilities. **Application deadline is June 30, 2011.** More information and application materials can be found at [http://www1.eere.energy.gov/education/postdoctoral_fellowships/](http://www1.eere.energy.gov/education/postdoctoral_fellowships/). **Science and Technology Policy Fellowships:** Policy-related projects for Ph.D. scientists and engineers... The EERE Science and Technology Policy (STP) Fellowships will serve as the next step in the educational and professional development of scientists and engineers interested in energy efficiency and renewable energy policy. Selected applicants will be assigned to participate in policy-related projects at DOE's Office of Energy Efficiency and Renewable Energy in Washington, D.C. Applications will be accepted on a rolling basis. For more information and application materials, visit: [http://www1.eere.energy.gov/education/stp_fellowships.html](http://www1.eere.energy.gov/education/stp_fellowships.html). Applicants selected as Fellows may have the additional distinction of guiding the implementation of the new solar SunShot Initiative in the DOE Solar Energy Technologies Program. The SunShot Fellows will have a key leadership role in beginning new research and development programs to achieve the goal of $1/W installed photovoltaics by 2020.

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**JOB OPPORTUNITIES**

**The Rocky Mountain Research Station (RMRS), Human Dimensions Program, is preparing to advertise a permanent full-time Supervisory Biologist/Social Scientist/Economist Position (Aldo Leopold Wilderness Research Institute (Leopold Institute) Director) GS-401/101/110-14/15.** The Leopold Institute is a premier interagency institute for wilderness stewardship research. As such, it is the focal point for scientists and managers from different disciplines and backgrounds who seek to conduct, communicate, and learn science that addresses the challenges of wilderness stewardship, including the sustainability of wild ecosystems and relationships between people and wild lands. **DUTY STATION:** This position is located in Forest Service facilities on the campus of the University of Montana in Missoula. Interested candidates can visit the RMRS website at: [http://fsweb.missoula.rmrs.fs.fed.us/](http://fsweb.missoula.rmrs.fs.fed.us/)

**Seasonal Biological/Restoration Specialist. Job Description:** Responsible for collecting and analyzing data for restoration projects associated with drilling activities of the oil & gas industry. Position requires extensive travel with roughly 90% of the time based in field. **Position Experience & Educational Requirements:** Junior or senior-level student majoring in botany, ecology or related field, Strong verbal and written communication skills, Familiarity with Microsoft Word, Excel and Access, Familiarity with the Great Basin flora of western North America, Ability and willingness to work independently, Ability to perform tasks requiring physical exertion, outdoors, in all weather conditions, and on difficult terrain, Ability to work safely and follow all safety protocols, and Must have valid driver’s license and able to travel in four-state region (Idaho, Wyoming, Utah, Colorado) using 4x4 pick-up truck. **Application procedure:**
Send resume with cover letter to Shelly Kleinkopf, Human Resources Manager, Conservation Seeding & Restoration, Inc., 506 Center St. West, Kimberly, ID 83341. Electronic submissions to hr@csr-inc.com are preferred. No phone calls please. Position remains open until filled.

**PAYROLL INFORMATION**

**Our pay period ends Saturday, June 11, 2011.** Please be sure to submit your time by Monday, June 13, at 12 NOON. This gives your approver time to approve your time card and fix any problems by Tuesday, June 14, 2011, when time cards are due to Payroll. If you have employees working for you, you need to make sure they are submitting their hours and that you are approving their time cards on time.

**Our next pay period ends Saturday, June 25, 2011.** Please be sure to submit your time by Monday, June 27, at 12 NOON. This gives your approver time to approve your time card and fix any problems by Tuesday, June 28, 2011, when time cards are due to Payroll.
Faculty/Staff/Other Meetings

There will NOT be a Biological Sciences Faculty Meeting until Fall 2011 semester.

Department News

Dr. Jean Pfau will be traveling with her students (Kinta Serve, Erin Birch, Ryan Marcum, Robert Hanson, and Cody Peterson) to the annual meeting of the Libby Epidemiology Research Program, Libby, MT, July 10-14, 2011. Her students are presenting their data as related to the Libby/Mt Sinai grant, on asbestos and autoimmune disease.

Seminars


James J. Hayden, MS student with Dr. Gene Scalarone, will present his defense seminar, “Comparative Antibody Detection Studies Using Isoelectrically Focused Protein Fractions from Blastomyces dermatitidis,” on Monday, July 18, 2011, at 10:15 AM in LC 15/17.

Publications


Opportunities

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: www.nationalacademies.org/rap. Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four review cycles annually. Upcoming deadlines are: August 1, 2011, November 1 2011, and February 1, 2012. Applicants should
contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

**JOB OPPORTUNITIES**

The Rocky Mountain Research Station (RMRS), Human Dimensions Program, is preparing to advertise a permanent full-time Supervisory Biologist/Social Scientist/Economist Position (Aldo Leopold Wilderness Research Institute (Leopold Institute) Director) GS-401/101/110-14/15. The Leopold Institute is a premier interagency institute for wilderness stewardship research. As such, it is the focal point for scientists and managers from different disciplines and backgrounds who seek to conduct, communicate, and learn science that addresses the challenges of wilderness stewardship, including the sustainability of wild ecosystems and relationships between people and wild lands. **DUTY STATION:** This position is located in Forest Service facilities on the campus of the University of Montana in Missoula. Interested candidates can visit the RMRS website at: [http://fsweb.missoula.rmrs.fs.fed.us/](http://fsweb.missoula.rmrs.fs.fed.us/).

**PAYROLL INFORMATION**

Our next pay period ends Saturday, July 23, 2011. Please be sure to submit your time by Monday, July 25, at 12 NOON. This gives your approver time to approve your time card and fix any problems by Tuesday, July 26, 2011, when time cards are due to Payroll.
ANNOUNCEMENTS FOR JULY 2011
Please submit newsletter information to Pam at chripame@isu.edu

FACULTY/STAFF/OTHER MEETINGS
There will NOT be a Biological Sciences Faculty Meeting until Fall 2011 semester.

DEPARTMENT NEWS
Congratulations to Dr. Bruce Finney! The ISU Office of Research has recognized his contribution in facilitating research in the Stable Isotope (IRM) Laboratory portion of the Center for Archeological Materials and Applied Spectroscopy (CAMAS). He has been appointed the Assistant Director of CAMAS.

OPPORTUNITIES
The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: www.nationalacademies.org/rap. Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four review cycles annually.
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JOB OPPORTUNITIES
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PAYROLL INFORMATION
Our next pay period ends Saturday, July 9, 2011. Please be sure to submit your time by Monday, July 11, at 12 NOON. This gives your approver time to approve your time card and fix any problems by Tuesday, July 12, 2011, when time cards are due to Payroll.
FACULTY/STAFF/OFFICE MEETINGS

Department of Biological Sciences Faculty Meeting will be held Tuesday, April 5, 2011, in the Lecture Center 15/17 at noon.

SEMINARS

Carrie Hall, Ph.D. student with Dr. Rosemary Smith, will present her defense seminar, “Burying Beetle Bioacoustics: The Role of Sound in Intra- and Interspecific Communication,” on Tuesday, April 5, 2011, at 11:00 AM in LC 10.

Amanda Searle will present her MS proposal seminar Thursday, April 7, 2011, in Lecture Center 10 at 12:00 noon.

PUBLICATIONS


DEPARTMENT HIGHLIGHTS

Dr. Colden Baxter traveled to Utah State University, Logan, Utah, Tuesday, March 29, 2011, to give an invited presentation entitled, “Ecosystem Ecology Meets Adaptive Management: Food Web Responses to a Controlled Flood on the Colorado River, Glen Canyon,” as part of the annual Utah State University Spring Runoff Conference.

Dr. Ken Rodnick presented a seminar at the University of British Columbia, Department of Zoology, Comparative Physiology Seminar Series on Monday, March 28, 2011. The title was “Building a larger fish: physiological constraints and adaptations.”

UPCOMING EVENTS

Dr. Trent Stephens and Mary Ann Stoll will both be retiring at the end of this spring semester. Please keep Friday, April 15, 2011, open on your calendars. It will be held at the Booth Barn. See last page of newsletter for more details.
**Scholarship Opportunities**

The Washington State Lake Protection Association (WALPA) announces scholarships to support undergraduate and graduate students in their pursuit of degrees specializing in the fields of Environmental Science. **WALPA will award one $1000 scholarship and one $750 scholarship in May, 2011.** The $1000 scholarship is an honorary scholarship dedicated to the remembrance of Nancy Weller. Nancy Weller worked for Washington State Department of Ecology for 13 years, eight of which were in the Eastern Regional Office. Nancy was very dedicated and interested in working with people on lakes, aquatic plants and improving the environment. **All application materials from the applicant should be sent to the WALPA Scholarship Program Committee by April 29, 2011.** Send material in a single PDF file clearly identified by the applicant’s last name. Reference letters can be emailed directly by the reference to the committee chair. The scholarship recipients will be contacted by the Scholarship Program Committee in May 2011, and announced at the 2011 WALPA conference. Please send the completed application file to: Frank M. Wilhelm (fwilhelm@uidaho.edu). Please use your name to identify your application in the filename – e.g., FwilhelmWALPA2011.pdf. For more information: [http://www.walpa.org/scholarship.htm](http://www.walpa.org/scholarship.htm).

**Opportunities**

Applications from undergraduates are sought for one of four research fellowship positions starting this Spring and into Summer 2011. The research includes several field experiments in SE Idaho on the topic of plant-environment interactions as they relate to hydrological, biogeochemical, and ecosystem processes. Successful candidates will be awarded an NSF REU Fellowship, providing $4,500 ($11/h) and $500 for other expenses, and the work will be performed as part of an interdisciplinary team involving professors from ISU, UI, and BSU. Candidates must be from underrepresented groups (women, minority, or disabled) and be a US citizen or permanent resident. If you are interested, please email Matt Germino at germmatt@isu.edu.

Idaho National Laboratory - Winter 2010/Summer 2011 Internships. Requirements include: Enrolled at least half time (minimum 6 credits) student status at an accredited US college/university or recent graduate (within the past 6 months) are eligible for one 16 week internship; Pass a background check; Minimum of 2.5 cumulative GPA (Individual mentors may require a higher GPA); Collegiate applicants must have completed the freshman year of college (24 credits minimum); Foreign National students may be eligible for internships if attending an accredited US college or university and have a Curricular Practical Training Authorization. **To be considered for a 2011 internship, applicants must apply on-line against internship postings at [www.inl.gov/careers](http://www.inl.gov/careers), for more information on Education Programs visit [www.inl.gov/education](http://www.inl.gov/education).** When asked to upload your resume to your application, please upload one file that includes the following: Current Resume or Curriculum Vitae (CV); Unofficial transcripts for all in-progress and completed degrees; and Current class schedule including number of credits.

Montana Fish, Wildlife & Parks GRAY WOLF CONSERVATION AND MANAGEMENT PROGRAM. Seeking professional volunteers to assist with the Montana Gray Wolf Conservation and Management Program ([http://fwp.mt.gov/wildthings/management/wolf/](http://fwp.mt.gov/wildthings/management/wolf/)). **Work Environment:** Physically challenging position, and extreme climate and terrain will be encountered. Accommodations are ephemeral and vary from trailers to bunkhouses to tent camping throughout Western Montana. Volunteers must have their own backpacking and camping equipment. Travel is mostly by 4-wheel drive, mountain bike, and foot. Volunteers must possess both the ability and desire to live and work, in remote mountain conditions, long days and long hitches. **Work Schedule:** Highly variable, but hitches are loosely based on 10 days on/4 days off. Schedules are based around ever changing field efforts and logistics. **Duration:** June - September, but may vary depending upon conditions, volunteer availability, and project funding. Ideally volunteers are available for all or most of the field season. **Duties:** Conduct wolf surveys. Surveys include driving, biking, and hiking on roads and trails, and howling in suspected wolf areas to document presence and numbers. In general duties vary widely from vehicle maintenance to teamwork to survey work to
livestock conflict management and much more. **Application Period:** Apply Now! Candidates will be selected in April. **How to Apply:** 1) Cover letter detailing your professional interests and experience as it pertains to these positions, and detail your period of availability 2) Resume 3) List of names and contact information of 3 references. Ideally email this info to: klaudon@mt.gov. If you must, you can also send application materials to: Montana Fish, Wildlife & Parks, Attn: Wolf Volunteer Program, 490 N. Meridian Rd., Kalispell, MT 59901. Telephone: (406) 751-4586, Fax: (406) 257-0349

**Colorado Ecosystem Field Studies.** Study, hike and camp in the beautiful foothills of the Rocky Mountains, Earn 3 undergraduate credits through the University of Colorado at Boulder, and Gain Valuable skills in ecosystem field methods and research. **June 20-July 5, 2011.** Download a course syllabus at: www.coefs.org.

**JOB OPPORTUNITIES**

**The Twin Falls County Pest Abatement District** is looking to hire summer help. Please go to this website and choose the job link for additional information: http://www.tfcpad.org/.

**The Idaho Department of Fish and Game** has a **Conservation Officer position** available for statewide application until **April 13, 2011.** The announcement is located at the following link: https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00864021924. Applications will only be accepted through this website. EEO/Vet Pref.

**Seasonal Biological/Restoration Specialist.** **Job Description:** Responsible for collecting and analyzing data for restoration projects associated with drilling activities of the oil & gas industry. Position requires extensive travel with roughly 90% of the time based in field. **Position Experience & Educational Requirements:** Junior or senior-level student majoring in botany, ecology or related field, Strong verbal and written communication skills, Familiarity with Microsoft Word, Excel and Access, Familiarity with the Great Basin flora of western North America, Ability and willingness to work independently, Ability to perform tasks requiring physical exertion, outdoors, in all weather conditions, and on difficult terrain, Ability to work safely and follow all safety protocols, and Must have valid driver’s license and able to travel in four-state region (Idaho, Wyoming, Utah, Colorado) using 4x4 pick-up truck. **Application procedure:** Send resume with cover letter to Shelly Kleinkopf, Human Resources Manager, Conservation Seeding & Restoration, Inc., 506 Center St. West, Kimberly, ID 83341. Electronic submissions to hr@csr-inc.com are preferred. No phone calls please. Position remains open until filled.

**Natural Resource Field Technician at Orchard Training Area, Boise, Idaho.** **Duration (1 Person):** 02 May 2011 to 31 August 2011. **Duration (3 Persons):** 06 June 2011 to 31 August 2011. **Salary:** 13.22-14.79hr (DOE) (40 hr/wk), non-benefited. **Application Deadline:** 31, April 2011. **Major Duties:** Technicians are needed to perform terrestrial vegetation and wildlife monitoring, including nocturnal surveys. Technicians are expected to have knowledge of and identify general plant, bird, mammal, and reptile species associated with sagebrush/grass steppe of the Great Basin. **Minimum Qualifications:** Two years of college coursework in biology, botany, zoology or other natural resource-related field. Experience using field equipment (e.g., compass, clinometer, maps, camera, GPS unit). Able to collect data accurately and pay attention to detail. Work effectively and cooperatively with others while working in harsh conditions. Position requires working in harsh conditions on a military training area. Position requires the physical ability to work in extremely hot weather with no shade (often over 100 F), walk off-trail over uneven terrain, stand for long periods of time, bend down to look at plants on the ground and be aware of potential hazards such as badger holes, rattlesnakes and other land uses (military and recreational). Must possess a valid driver’s license and be able to operate 4X4 vehicles safely on rough dirt roads. **How to Apply:** E-mail to Kevin.s.warner@us.army.mil (preferred) or mail a cover letter and resume, copy of college transcripts (unofficial is accepted), contact information, and three references to: Kevin Warner, Joint Environmental Management Office, State of Idaho Military Division, Gowen Field, Bldg 518. 4715
PAYROLL INFORMATION
Our pay period ends Saturday, April 2, 2011. Please be sure to submit your time by Monday, April 4, at 12 NOON. This gives your approver time to approve your time card and fix any problems by Tuesday, April 5, when time cards are due to Payroll. If you have employees working for you, you need to make sure they are submitting their hours and that you are approving their time cards on time.
FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held Tuesday, April 26, 2011, in the Lecture Center 15/17 at noon.

SEMINARS

Ryan Blackadar, MS student with Dr. Colden Baxter, will present his proposal seminar, “The Price of Ice: Ecological Consequences of Changing Ice Regimes for Linked Aquatic-Terrestrial Food Webs,” on Thursday, April 28, 2011, at 12:00 Noon in LC 10.

Hannah Harris, MS student with Dr. Colden Baxter, will present her proposal seminar, “Understanding the Effects of Wildfire and Debris Flows on Downstream and Lateral Fluxes and Consequences for Recipient Predators in the South Fork Salmon River Basin,” on Thursday, April 28, 2011, at 12:30 PM in LC 10.

Jason Hunt, PhD student with Dr. Jack Rose, will present his proposal seminar, “The Quest to Discover Optimal Uterine Conditions for Pregnancy in the Mink,” on Friday, April 29, 2011, at 12:00 Noon in PLSCI 114.

Benjamin Morris, MS student with Dr. Linda DeVeaux, will present his proposal seminar, “Phenotypic Variance in Deinococcus radiodurans: A Model for Persistence,” on Monday, May 2, 2011, at 1:00 PM in LC 10.

Idaho State University Department of Biological Sciences presents the G.W. Minshall Lecture Series in Ecology. Dr. Mary Power, an accomplished ecologist and professor of Integrative Biology from UC Berkeley, will be visiting our campus during the first week of May. Dr. Power will present a lecture, “Algal Mediated Connections of River, Watershed, and Coastal Marine Food Webs,” on Thursday, May 5, 2011, at 4:00 PM in LC10. Please join us for this great opportunity to learn about our environment.

DEPARTMENT HIGHLIGHTS

Dr. Jeff Meldrum attended the Annual meeting of the American Association of Physical Anthropologist in Minneapolis, Minnesota, April 13-16, 2011, presenting a paper entitled, “Footprint evidence for the Chinese Yeren.”

Dr. Jeff Meldrum was interviewed for a feature on the Daily Planet, the award-winning nightly primetime science magazine show of the Discovery Channel Canada. The feature takes a serious look at his evaluation of the footprint and hair evidence for Sasquatch.
Dr. Jeff Meldrum will deliver an invited presentation at Utah State University, Tuesday, April 26, 2011, on Sasquatch: Legend Meets Science.

UPCOMING EVENTS

The Department of Biological Sciences 31st Annual Reception honoring the graduating classes of Summer 2010, Fall 2010, and Spring 2011 will be Friday, May 6, 2011, at 2:00 PM in the foyer of the Gale Life Science Building.

SCHOLARSHIP OPPORTUNITIES

The Washington State Lake Protection Association (WALPA) announces scholarships to support undergraduate and graduate students in their pursuit of degrees specializing in the fields of Environmental Science. WALPA will award one $1000 scholarship and one $750 scholarship in May, 2011. The $1000 scholarship is an honorary scholarship dedicated to the remembrance of Nancy Weller. Nancy Weller worked for Washington State Department of Ecology for 13 years, eight of which were in the Eastern Regional Office. Nancy was very dedicated and interested in working with people on lakes, aquatic plants and improving the environment. All application materials from the applicant should be sent to the WALPA Scholarship Program Committee by April 29, 2011. Send material in a single PDF file clearly identified by the applicant’s last name. Reference letters can be emailed directly by the reference to the committee chair. The scholarship recipients will be contacted by the Scholarship Program Committee in May 2011, and announced at the 2011 WALPA conference. Please send the completed application file to: Frank M. Wilhelm (fwilhelm@uidaho.edu). Please use your name to identify your application in the filename – e.g., FwilhelmWALPA2011.pdf. For more information: http://www.walpa.org/scholarship.htm.

Idaho National Laboratory – BIOMASS CHARACTERIZATION Summer 2011 Internships.

Eligibility Requirements: Enrolled student status at an accredited US college or university; Ability to pass a background check; US citizenship; Minimum of 3.0 cumulative GPA; University Senior complete or Grad Student in plant science, plant physiology, biology, or chemistry or a related field; Plant scientist/Botanist/Biologist; Background in plant physiology/microstructure; and Microscopy experience. To be considered for a 2011 internship, applicants must apply on-line against internship postings at www.inl.gov/careers for more information on Education Programs visit www.inl.gov/education. Applicants may search for postings by keyword “internship” at www.inl.gov/careers and apply to any of the following postings: 6310 BEA Internship – Engineering (all disciplines) or 6313 BEA Internship – Energy and Environmental Sciences (All Life and Physical Sciences). Application Process: When asked to upload your resume to your application, please upload one (1) file that includes the following: Current Resume or Curriculum Vitae (CV); Unofficial transcripts, and Current class schedule including number of credits. ** Applications that do not include items above in a single file (valid extensions include .doc, .docx, .html, .htm, .txt, .rtf, and .pdf) may be ineligible. To reduce the potential for file load errors, please limit the title of your resume file to 45 characters or less, with no special characters. Contact Information: Todd D. Johnson, Internship Program Specialist, Idaho National Laboratory, 2525 N. Fremont Avenue, Idaho Falls, Idaho 83415-3790. Phone: 208-526-1945. Email: todd.johnson5@inl.gov

Applications from undergraduates are sought for one of four research fellowship positions starting this Spring and into Summer 2011. The research includes several field experiments in SE Idaho on the topic of plant-environment interactions as they relate to hydrological, biogeochemical, and ecosystem processes. Successful candidates will be awarded an NSF REU Fellowship, providing $4,500 ($11/h) and $500 for other expenses, and the work will be performed as part of an interdisciplinary team involving professors from ISU, UI, and BSU. Candidates must be from underrepresented groups (women, minority, or
Idaho National Laboratory - Winter 2010/Summer 2011 Internships. Requirements include: Enrolled at least half time (minimum 6 credits) student status at an accredited US college/university or recent graduate (within the past 6 months) are eligible for one 16 week internship; Pass a background check; Minimum of 2.5 cumulative GPA (Individual mentors may require a higher GPA); Collegiate applicants must have completed the freshman year of college (24 credits minimum); Foreign National students may be eligible for internships if attending an accredited US college or university and have a Curricular Practical Training Authorization. To be considered for a 2011 internship, applicants must apply online against internship postings at www.inl.gov/careers, for more information on Education Programs visit www.inl.gov/education. When asked to upload your resume to your application, please upload one file that includes the following: Current Resume or Curriculum Vitae (CV); Unofficial transcripts for all in-progress and completed degrees; and Current class schedule including number of credits.


The Department of Energy’s (DOE) and the Office of Energy Efficiency and Renewable Energy (EERE) are accepting applications for two new research fellowships. Research Areas: Energy Efficiency: Buildings - Industry – Vehicles and Renewable Energy: Biomass – Hydrogen & Fuel Cells – Geothermal – Solar – Water –Wind. Yearly Stipend - Research Allowance - Health Insurance - Relocation Travel - Two Years of Support. Postdoctoral Fellowships: Research opportunities for recent Ph.D. graduates... The EERE Postdoctoral Fellowships support its mission in energy efficiency and renewable energy by offering recent Ph.D. recipients the opportunity to conduct applied research at universities, national laboratories, and other research facilities. Application deadline is June 30, 2011. More information and application materials can be found at http://www1.eere.energy.gov/education/postdoctoral_fellowships/. Science and Technology Policy Fellowships: Policy-related projects for Ph.D. scientists and engineers... The EERE Science and Technology Policy (STP) Fellowships will serve as the next step in the educational and professional development of scientists and engineers interested in energy efficiency and renewable energy policy. Selected applicants will be assigned to participate in policy-related projects at DOE’s Office of Energy Efficiency and Renewable Energy in Washington, D.C. Applications will be accepted on a rolling basis. For more information and application materials, visit: http://www1.eere.energy.gov/education/stp_fellowships.html. Applicants selected as Fellows may have the additional distinction of guiding the implementation of the new solar SunShot Initiative in the DOE Solar Energy Technologies Program. The SunShot Fellows will have a key leadership role in beginning new research and development programs to achieve the goal of $1/W installed photovoltaics by 2020.

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: www.nationalacademies.org/rap. Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four review cycles annually. Upcoming deadlines are: May 1, 2011, August 1, 2011, November 1 2011, and February 1, 2012. disabled) and be a US citizen or permanent resident. If you are interested, please email Matt Germino at germmatt@isu.edu.
Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

The Greater Yellowstone Coalition (GYC) is offering an opportunity for students with an interest in grizzly bear conservation and policy within the Greater Yellowstone Ecosystem (GYE). The internship will provide a student the opportunity to understand resource policy among grizzly bear management agencies, investigate existing science literature, and work with conservation professionals on crafting policy recommendations for enhancing grizzly bear protection. **ESSENTIAL DUTIES AND RESPONSIBILITIES:** Review relevant grizzly bear research and management in the Greater Yellowstone Ecosystem; Create a status report of grazing allotments in GYE; Research status of grizzly bear-human conflicts in GYE, and identifying tools for reducing conflict such as public education and outreach; Summarize potential future habitat expansions for grizzly bears in GYE; Assess the best practices among the five national forests that surround Yellowstone National Park, and identify the range of regulatory protections; Review current state and federal agency management plans or strategies to assess policy recommendations aimed at improving security for grizzly bears; Assist in convening a science panel to synthesize knowledge about and recommendations for management of grizzly bears in GYE. **QUALIFICATIONS:** Ability to read and interpret scientific literature on grizzly bears and wildlife conservation, and be able to communicate with researchers about the meaning of that research; Writing skills required. Applicants must be an accomplished writer able to synthesize complex material into readily understandable reports; Analytical skills. Applicants must be conversant with analytical tools such as Geographical Information Systems (GIS) and be able to communicate analysis needs to GIS computer analysts; Understanding of policy. Applicants must be familiar with how conservation policies are established and implemented at local, state, and federal levels; Graduate student preferred. The applicant must be a current student or recent graduate of a university in Montana, Wyoming or Idaho; Location is Bozeman, Montana (preferred); The internship consists of 12-weeks FTE (480 hours), beginning June, 2011; Students may use this internship to satisfy academic requirements, contribute to research for their thesis or dissertation, and/or contribute to a professional paper; Compensation for the internship is $15/hour. Approved work-related travel and other expenses covered. **APPLICATION:** Applications should include: Cover letter addressing the student’s interest in the internship, knowledge of and professional interest in conservation science, management or policy; resumé outlining the applicant’s experience and education; 3 references. **REVIEW OF APPLICATIONS WILL BEGIN MAY 5, 2011**, and continue until the position is filled. Email applications (subject line “Grizzly Bear Internship and your name”) to: jobs@greateryellowstone.org. Questions should be directed to Mark Pearson at 406-586-1593 or to the above email address.

**JOB OPPORTUNITIES**

The Twin Falls County Pest Abatement District is looking to hire summer help. Please go to this website and choose the job link for additional information: [http://www.tfcpad.org/](http://www.tfcpad.org/).

Seasonal Biological/Restoration Specialist. **Job Description:** Responsible for collecting and analyzing data for restoration projects associated with drilling activities of the oil & gas industry. Position requires extensive travel with roughly 90% of the time based in field. **Position Experience & Educational Requirements:** Junior or senior-level student majoring in botany, ecology or related field, Strong verbal and written communication skills, Familiarity with Microsoft Word, Excel and Access, Familiarity with the Great Basin flora of western North America, Ability and willingness to work independently, Ability to perform tasks requiring physical exertion, outdoors, in all weather conditions, and on difficult terrain, Ability to work safely and follow all safety protocols, and Must have valid driver’s license and able to travel in four-state region (Idaho, Wyoming, Utah, Colorado) using 4x4 pick-up truck. **Application procedure:** Send resume with cover letter to Shelly Kleinkopf, Human Resources Manager, Conservation Seeding & Restoration, Inc., 506 Center St. West, Kimberly, ID 83341. Electronic submissions to hr@csr-inc.com are preferred. No phone calls please. Position remains open until filled.
2011 Beneficial Use Reconnaissance Program (BURP). The Department of Environmental Quality (DEQ) will be hiring Environmental Technicians to monitor Idaho’s streams to evaluate water quality conditions. Crews are based out of DEQ regional offices throughout Idaho and camp in remote locations three or more nights per week. Crews may be required to furnish their own camping and cooking equipment. Crews are provided transportation and monitoring equipment, as well as monitoring and CPR training. Applicants must be available mid-June through August, with some positions working through September. **Great summer opportunity!** Working outdoors, Monitoring water quality, Collecting fish and aquatic insects, Electrofishing, Surveying Habitat, Performing stream bank surveys, and Hourly Pay + field day per diem. **Work may involve:** Exposure to inclement weather, Walking & hiking over rough terrain while, lifting & carrying up to 50lbs, Hiking in hip boots/waders over rough terrain and in streams, Working 4-ten hour days with 4 days off. **For Information contact:** Jason Pappani, DEQ State Office - 208-373-0502; Hawk Stone, Boise - 208-373-0550; Tom Herron, Coeur d'Alene - 208-769-1422; Daniel Stewart, Grangeville - 208-983-0808; Steve Robinson, Idaho Falls - 208-528-2650; Joshua Schultz, Pocatello - 208-236-6160; and Sean Woodhead, Twin Falls - 208-736-2190. **NEW THIS YEAR: APPLY ON LINE @ Division of Human Resources www.dhr.idaho.gov.**

April 1, 2011 - April 21, 2011, Department of Environmental Quality, Human Resources, 1410 N. Hilton, Boise, ID 83706. **Phone:** (208) 373-0333  **FAX:** (208) 373-0169. **Website:** www.deq.idaho.gov.

Natural Resource Field Technician at Orchard Training Area, Boise, Idaho. Duration (1 Person): 02 May 2011 to 31 August 2011. Duration (3 Persons): 06 June 2011 to 31 August 2011. Salary: 13.22-14.79hr (DOE) (40 hr/wk), non-benefited. **Application Deadline:** April 31, 2011. **Major Duties:** Technicians are needed to perform terrestrial vegetation and wildlife monitoring, including nocturnal surveys. Technicians are expected to have knowledge of and identify general plant, bird, mammal, and reptile species associated with sagebrush/grass steppe of the Great Basin. **Minimum Qualifications:** Two years of college coursework in biology, botany, zoology or other natural resource-related field. Experience using field equipment (e.g., compass, clinometer, maps, camera, GPS unit). Able to collect data accurately and pay attention to detail. Work effectively and cooperatively with others while working in harsh conditions. Position requires working in harsh conditions on a military training area. Position requires the physical ability to work in extremely hot weather with no shade (often over 100 F), walk off-trail over uneven terrain, stand for long periods of time, bend down to look at plants on the ground and be aware of potential hazards such as badger holes, rattlesnakes and other land uses (military and recreational). Must possess a valid driver’s license and be able to operate 4X4 vehicles safely on rough dirt roads. **How to Apply:** E-mail to Kevin.s.warner@us.army.mil (preferred) or mail a cover letter and resume, copy of college transcripts (unofficial is accepted), contact information, and three references to: Kevin Warner, Joint Environmental Management Office, State of Idaho Military Division, Gowen Field, Bldg 518. 4715 South Byrd Street, Boise, Idaho 83705-8095. Telephone is (208) 272-4181. For any questions please contact Kevin Warner.

The Idaho Department of Fish and Game has the Regional Wildlife Biologist – Population position in Salmon, Idaho, on open competitive announcement until May 2, 2011. The announcement is located at the following link: https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835030756. Applications will only be accepted through this website. EEO/Vet Pref

**PAYROLL INFORMATION**

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FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held Tuesday, April 19, 2011, in the Lecture Center 15/17 at noon.

SEMINARS

Amanda Fisher, PhD student with Dr. Scot Kelchner, will present her defense seminar, “Evolution of Chusquea bamboos,” on Monday, April 18, 2011, at 9:00 AM in LIBR 6.

Kevin Donner, MS student with Dr. Colden Baxter, will present his defense seminar, “Trophic Basis of Production of Fishes in the Colorado River, Grand Canyon, AZ: An Assessment of Potential Competition for Food,” on Monday, April 18, 2011, at 12:00 Noon in PLSCI 114.

Brady Lee, PhD student with Dr. Linda DeVeaux, will present his proposal seminar, “Network Interaction in the Thermoacidophile Alicyclobacillus acidocaldarius In Response to Different Carbon Sources,” on Monday, April 18, 2011, at 1:00 PM in LC 10.

Ryan Blackadar, MS student with Dr. Colden Baxter, will present his proposal seminar, “The Price of Ice: Ecological Consequences of Changing Ice Regimes for Linked Aquatic-Terrestrial Food Webs,” on Thursday, April 21, 2011, at 12:00 Noon in LC 10.

Jennifer Cornell, MS student with Dr. Colden Baxter, will present her proposal seminar, “Assessment of Recreational Land Use Effects on Stream Ecosystems and Design of an Adaptive Management Experiment for a Small Urban Fringe Watershed in Southeast Idaho, USA,” on Thursday, April 21, 2011, at 12:00 Noon in LC 10.

Hannah Harris, MS student with Dr. Colden Baxter, will present her proposal seminar, “Understanding the effects of wildfire and debris flows on downstream and lateral fluxes and consequences for recipient predators in the South Fork Salmon River Basin,” on Thursday, April 28, 2011, at 12:30 PM in LC 10.

PUBLICATIONS


**DEPARTMENT HIGHLIGHTS**

**Dr. Rosemary Smith** was awarded a Research Fellowship at the Rocky Mountain Biological Laboratory for her long-term ecological and behavioral studies of burying beetles.

**Amy Commendador** won an honorable mention for her poster, “Small Mammal Isotopes as Potential Indicators of Climate Change on the Snake River Plain, Idaho,” at the Society for American Archaeology (SAA) annual meeting, April 2011. It was one of three awards given out to student posters. The project was advised by **Dr. Bruce Finney**, with funding contributions from Idaho NSF EPSCoR.

**Mr. Richard Beard** and **Dr. Cheng-Hung Chen** from **Dr. Shawn Bearden’s lab** presented their work at the recent Experimental Biology Conference in Washington, D.C. Dr. Chen was also honored at this meeting by being selected to present his work at a special symposium hosted by the Microcirculatory Society to honor young investigators.

- C. Chen, R. S. Beard, S. E. Bearden. 2011. Homocysteine activates mGluR5- and PKC-dependent Cx43 phosphorylation at S368 and impairs proliferation of brain microvascular endothelial cells. Experimental Biology, Washington, D.C.

**Drs. Terry Bowyer** and **Shawn Bearden** have been named **2011 Outstanding Researchers** at Idaho State University. Congratulations Drs. Bowyer and Bearden!

**Drs. Jean Pfau** and **Colden Baxter** have received **2011 Outstanding Service Awards** at Idaho State University. Congratulations Drs. Pfau and Baxter.

Congratulations to **Jason Reynolds** from **Dr. Shawn Bearden’s lab** for his award, 1st Prize for Outstanding Visual (Poster) Presentation of Research by an Undergraduate at the Idaho Academy of Science meeting!

The Idaho Fish and Game Commission appointed **Virgil Moore** as the new director of the Idaho Department of Fish and Game. Moore received his Master of Science degree in zoology from Idaho State University in 1976. He was a graduate student of Dr. Don Johnson.

**UPCOMING EVENTS**

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**OPPORTUNITIES**

Applications from undergraduates are sought for one of four research fellowship positions starting this Spring and into Summer 2011. The research includes several field experiments in SE Idaho on the topic of plant-environment interactions as they relate to hydrological, biogeochemical, and ecosystem processes. Successful candidates will be awarded an NSF REU Fellowship, providing $4,500 ($11/h) and $500 for other expenses, and the work will be performed as part of an interdisciplinary team involving professors from ISU, UI, and BSU. Candidates must be from underrepresented groups (women, minority, or disabled) and be a US citizen or permanent resident. If you are interested, please email Matt Germino at germatt@isu.edu.

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**Colorado Ecosystem Field Studies.** Study, hike and camp in the beautiful foothills of the Rocky Mountains, Earn 3 undergraduate credits through the University of Colorado at Boulder, and Gain Valuable skills in ecosystem field methods and research. June 20-July 5, 2011. Download a course syllabus at: www.coefs.org.

The Department of Energy’s (DOE) and the Office of Energy Efficiency and Renewable Energy (EERE) are accepting applications for two new research fellowships. Research Areas: Energy Efficiency: Buildings - Industry – Vehicles and Renewable Energy: Biomass – Hydrogen & Fuel Cells – Geothermal – Solar – Water –Wind. Yearly Stipend - Research Allowance - Health Insurance - Relocation Travel - Two Years of Support. Postdoctoral Fellowships: Research opportunities for recent Ph.D. graduates... The EERE Postdoctoral Fellowships support its mission in energy efficiency and renewable energy by offering recent Ph.D. recipients the opportunity to conduct applied research at universities, national laboratories, and other research facilities. Application deadline is June 30, 2011. More information and application materials can be found at http://www1.eere.energy.gov/education/postdoctoral_fellowships/. Science and Technology Policy Fellowships: Policy-related projects for Ph.D. scientists and engineers... The EERE Science and Technology Policy (STP) Fellowships will serve as the next step in the educational and professional development of scientists and engineers interested in energy efficiency and renewable energy policy. Selected applicants will be assigned to participate in policy-related projects at DOE’s Office of
Energy Efficiency and Renewable Energy in Washington, D.C. Applications will be accepted on a rolling basis. For more information and application materials, visit: [http://www1.eere.energy.gov/education/stp_fellowships.html](http://www1.eere.energy.gov/education/stp_fellowships.html). Applicants selected as Fellows may have the additional distinction of guiding the implementation of the new solar SunShot Initiative in the DOE Solar Energy Technologies Program. The SunShot Fellows will have a key leadership role in beginning new research and development programs to achieve the goal of $1/W installed photovoltaics by 2020.

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Natural Resource Field Technician at Orchard Training Area, Boise, Idaho. Duration (1 Person): 02 May 2011 to 31 August 2011. Duration (3 Persons): 06 June 2011 to 31 August 2011. Salary: 13.22-14.79hr (DOE) (40 hr/wk), non-benefited. Application Deadline: April 31, 2011. Major Duties: Technicians are needed to perform terrestrial vegetation and wildlife monitoring, including nocturnal surveys. Technicians are expected to have knowledge of and identify general plant, bird, mammal, and reptile species associated with sagebrush/grass steppe of the Great Basin. Minimum Qualifications: Two years of college coursework in biology, botany, zoology or other natural resource-related field. Experience using field equipment (e.g., compass, clinometer, maps, camera, GPS unit). Able to collect data accurately and pay attention to detail. Work effectively and cooperatively with others while working in harsh conditions. Position requires working in harsh conditions on a military training area. Position requires the physical ability to work in extremely hot weather with no shade (often over 100 F), walk off-trail over uneven terrain, stand for long periods of time, bend down to look at plants on the ground and be aware of potential hazards such as badger holes, rattlesnakes and other land uses (military and recreational). Must possess a valid driver’s license and be able to operate 4X4 vehicles safely on rough dirt roads. How to Apply: E-mail to Kevin.s.warner@us.army.mil (preferred) or mail a cover letter and resume, copy of college transcripts (unofficial is accepted), contact information, and three references to: Kevin Warner, Joint Environmental Management Office, State of Idaho Military Division, Gowen Field, Bldg 518, 4715 South Byrd Street, Boise, Idaho 83705-8095. Telephone is (208) 272-4181. For any questions please contact Kevin Warner.

The Idaho Department of Fish and Game has the Regional Wildlife Biologist – Population position in Salmon, Idaho, on open competitive announcement until May 2, 2011. The announcement is located at the following link: https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835030756. Applications will only be accepted through this website. EEO/Vet Pref

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WEEKLY ANNOUNCEMENTS FOR APRIL 10–16, 2011

Please submit newsletter information to Pam at chripame@isu.edu

FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held Tuesday, April 12, 2011, in the Lecture Center 15/17 at noon.

SEMINARS

Amanda Collingwood, MS student with Dr. Peter Sheridan, will present her proposal seminar, “Secondary Metabolites of Gamma Proteobacteria Shown to Inhibit the Growth of Phytophthora Species,” on Monday, April 11, 2011, at 1:00 PM in LC 10.

Kinta Serve, DA student with Dr. Gene Scalarone, will present her proposal seminar, “Fibrosis and Mesothelioma: Investigating Asbestos-Related Diseases to Further Scientific and Educational Practices,” on Thursday, April 14, 2011, in Lecture Center 10 at 12:00 noon.

Shawna T. Park, MS student with Dr. Peter Sheridan, will present her defense seminar, “Characterization of the Bacterial Microflora on the Skin of Boreal Toads and Columbia Spotted Frogs in the Grand Teton National Park, Wyoming, USA,” on Friday, April 15, 2011, at 2:00 PM in PLSCI 114.

Dr. Trent Stephens will present his Last Lecture, “Morphogenesis and Constraint, or Why are Hobbit Doors Round?” on Friday, April 15, 2011, at 4:00 PM in PLSCI 114.

Kevin Donner, MS student with Dr. Colden Baxter, will present his defense seminar, “Trophic Basis of Production of Fishes in the Colorado River, Grand Canyon, AZ: An Assessment of Potential Competition for Food,” on Monday, April 18, 2011, at 12:00 Noon in PLSCI 114.

PUBLICATIONS


DEPARTMENT HIGHLIGHTS

Dr. Shawn Bearden has been chosen as one of the Idaho State University’s Outstanding Researchers for 2010-2011. Congratulations Dr. Bearden!

UPCOMING EVENTS

Dr. Trent Stephens and Mary Ann Stoll will both be retiring at the end of this spring semester. Please keep Friday, April 15, 2011, open on your calendars. See last page of newsletter for more details.

DEPARTMENT NEWS

Dr. Daryl Bunde is finally at rest. He has suffered with cancer for over three years and was able to go peacefully surrounded by most of his family on March 25, 2011. He has been living in Wasilla, Alaska, since he retired from Idaho State University. A dream he always had was to be buried at St. John's Monastery in Yakima Washington. He was laid to rest there on Wednesday, March 30, 2011. Dr. Bunde was an Associate Professor Emeritus of Zoology and taught from 1965 to 1998 in the Department of Biological Sciences. He taught general biology, cell biology, anatomy & physiology, and embryology. He touched the lives of many students with his wonderful smile and willingness to help. In lieu of flowers, a contribution can be made to the St. John’s Monastery http://www.stjohnmonastery.org/.

SCHOLARSHIP OPPORTUNITIES

The Washington State Lake Protection Association (WALPA) announces scholarships to support undergraduate and graduate students in their pursuit of degrees specializing in the fields of Environmental Science. WALPA will award one $1000 scholarship and one $750 scholarship in May, 2011. The $1000 scholarship is an honorary scholarship dedicated to the remembrance of Nancy Weller. Nancy Weller worked for Washington State Department of Ecology for 13 years, eight of which were in the Eastern Regional Office. Nancy was very dedicated and interested in working with people on lakes, aquatic plants and improving the environment. All application materials from the applicant should be sent to the WALPA Scholarship Program Committee by April 29, 2011. Send material in a single PDF file clearly identified by the applicant’s last name. Reference letters can be emailed directly by the reference to the committee chair. The scholarship recipients will be contacted by the Scholarship Program Committee in May 2011, and announced at the 2011 WALPA conference. Please send the completed application file to: Frank M. Wilhelm (f wilhelm@ uidaho.edu). Please use your name to identify your application in the filename – e.g., F wilhelmWALPA2011.pdf. For more information: http://www.walpa.org/scholarship.htm.

OPPORTUNITIES

Applications from undergraduates are sought for one of four research fellowship positions starting this Spring and into Summer 2011. The research includes several field experiments in SE Idaho on the topic of plant-environment interactions as they relate to hydrological, biogeochemical, and ecosystem processes. Successful candidates will be awarded an NSF REU Fellowship, providing $4,500 ($11/h) and $500 for other expenses, and the work will be performed as part of an interdisciplinary team involving professors from ISU, UI, and BSU. Candidates must be from underrepresented groups (women, minority, or disabled) and be a US citizen or permanent resident. If you are interested, please email Matt Germino at germ matt@isu.edu.

Idaho National Laboratory - Winter 2010/Summer 2011 Internships. Requirements include: Enrolled at least half time (minimum 6 credits) student status at an accredited US college/university or recent graduate (within the past 6 months) are eligible for one 16 week internship; Pass a background check;
Minimum of 2.5 cumulative GPA (Individual mentors may require a higher GPA); Collegiate applicants must have completed the freshman year of college (24 credits minimum); Foreign National students may be eligible for internships if attending an accredited US college or university and have a Curricular Practical Training Authorization. **To be considered for a 2011 internship**, applicants must apply on-line against internship postings at [www.inl.gov/careers](http://www.inl.gov/careers), for more information on Education Programs visit [www.inl.gov/education](http://www.inl.gov/education). When asked to upload your resume to your application, please upload one file that includes the following: Current Resume or Curriculum Vitae (CV); Unofficial transcripts for all in-progress and completed degrees; and Current class schedule including number of credits.

**Colorado Ecosystem Field Studies.** Study, hike and camp in the beautiful foothills of the Rocky Mountains, Earn 3 undergraduate credits through the University of Colorado at Bounder, and Gain Valuable skills in ecosystem field methods and research. **June 20-July 5, 2011.** Download a course syllabus at: [www.coefs.org](http://www.coefs.org).

The Department of Energy’s (DOE) and the Office of Energy Efficiency and Renewable Energy (EERE) is accepting applications for two new research fellowships. **Research Areas:** Energy Efficiency: Buildings - Industry – Vehicles and Renewable Energy: Biomass – Hydrogen & Fuel Cells – Geothermal – Solar – Water –Wind. Yearly Stipend - Research Allowance - Health Insurance - Relocation Travel - Two Years of Support. **Postdoctoral Fellowships:** Research opportunities for recent Ph.D. graduates... The EERE Postdoctoral Fellowships support its mission in energy efficiency and renewable energy by offering recent Ph.D. recipients the opportunity to conduct applied research at universities, national laboratories, and other research facilities. **Application deadline is June 30, 2011.** More information and application materials can be found at [http://www1.eere.energy.gov/education/postdoctoral_fellowships/](http://www1.eere.energy.gov/education/postdoctoral_fellowships/). **Science and Technology Policy Fellowships:** Policy-related projects for Ph.D. scientists and engineers... The EERE Science and Technology Policy (STP) Fellowships will serve as the next step in the educational and professional development of scientists and engineers interested in energy efficiency and renewable energy policy. Selected applicants will be assigned to participate in policy-related projects at DOE's Office of Energy Efficiency and Renewable Energy in Washington, D.C. Applications will be accepted on a rolling basis. For more information and application materials, visit: [http://www1.eere.energy.gov/education/stp_fellowships.html](http://www1.eere.energy.gov/education/stp_fellowships.html). Applicants selected as Fellows may have the additional distinction of guiding the implementation of the new solar SunShot Initiative in the DOE Solar Energy Technologies Program. The SunShot Fellows will have a key leadership role in beginning new research and development programs to achieve the goal of $1/W installed photovoltaics by 2020.

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at federal laboratories and affiliated institutions. These awards include generous stipends ranging from $42,000 - $75,000 per year for recent Ph.D. recipients, and higher for additional experience and graduate entry level stipends beginning at $30,000 and higher for additional experience. The awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals. Detailed program information, including instructions on how to apply online and a list of participating laboratories, is available on the NRC Research Associateship Programs Web site at: [www.nationalacademies.org/rap](http://www.nationalacademies.org/rap). Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu. There are four review cycles annually. **Upcoming deadlines are:** May 1, 2011, August 1, 2011, November 1 2011, and February 1, 2012. Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

**JOB OPPORTUNITIES**

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Natural Resource Field Technician at Orchard Training Area, Boise, Idaho. Duration (1 Person): May 2011 to 31 August 2011. Duration (3 Persons): 06 June 2011 to 31 August 2011. Salary: 13.22-14.79hr (DOE) (40 hr/wk), non-benefited. Application Deadline: April 31, 2011. Major Duties: Technicians are needed to perform terrestrial vegetation and wildlife monitoring, including nocturnal surveys. Technicians are expected to have knowledge of and identify general plant, bird, mammal, and reptile species associated with sagebrush/grass steppe of the Great Basin. Minimum Qualifications: Two years of college coursework in biology, botany, zoology or other natural resource-related field. Experience using field equipment (e.g., compass, clinometer, maps, camera, GPS unit). Able to collect data accurately and pay attention to detail. Work effectively and cooperatively with others while working in harsh conditions. Position requires working in harsh conditions on a military training area. Position requires the physical ability to work in extremely hot weather with no shade (often over 100 F), walk off-trail over uneven terrain, stand for long periods of time, bend down to look at plants on the ground and be aware of potential hazards such as badger holes, rattlesnakes and other land uses (military and recreational). Must possess a valid driver’s license and be able to operate 4X4 vehicles safely on rough dirt roads. How to Apply: E-mail to Kevin.s.warner@us.army.mil (preferred) or mail a cover letter and resume, copy of
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Weekly Announcements for March 27–April 2, 2011

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Faculty/Staff/Other Meetings

Department of Biological Sciences Faculty Meeting will be held Tuesday, March 29, 2011, in the Lecture Center 15/17 at noon.

Seminars

Kenny Bonn will present his seminar Thursday, March 31, 2011, in Lecture Center 10 at 12:00 noon.

Publications


Department Highlights

Several faculty and students from the ISU Department of Biological Sciences attended the Annual Meeting of the Idaho Chapter of the American Fisheries Society, March 2-4, 2011, in Boise, ID. Those that presented include:

- Loxterman, J.L. and Keeley E.R. Phylogenetic relationships of cutthroat trout: does evolutionary history reflect geological history?
- Green, M.T. and Keeley, E.R. Estimating rates of pelican predation on Yellowstone cutthroat trout in the Upper Blackfoot River system.
**UPCOMING EVENTS**

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**OPPORTUNITIES**

Applications from undergraduates are sought for one of four research fellowship positions starting this Spring and into Summer 2011. The research includes several field experiments in SE Idaho on the topic of plant-environment interactions as they relate to hydrological, biogeochemical, and ecosystem processes. Successful candidates will be awarded an NSF REU Fellowship, providing $4,500 ($11/h) and $500 for other expenses, and the work will be performed as part of an interdisciplinary team involving professors from ISU, UI, and BSU. Candidates must be from underrepresented groups (women, minority, or disabled) and be a US citizen or permanent resident. If you are interested, please email Matt Germino at germmatt@isu.edu.

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Montana Fish, Wildlife & Parks GRAY WOLF CONSERVATION AND MANAGEMENT PROGRAM. Seeking professional volunteers to assist with the Montana Gray Wolf Conservation and Management Program (http://fwp.mt.gov/wildthings/management/wolf/). **Work Environment:** Physically challenging position, and extreme climate and terrain will be encountered. Accommodations are ephemeral and vary from trailers to bunkhouses to tent camping throughout Western Montana. Volunteers must have their own backpacking and camping equipment. Travel is mostly by 4-wheel drive, mountain bike, and foot. Volunteers must possess both the ability and desire to live and work, in remote mountain conditions, long days and long hitches. **Work Schedule:** Highly variable, but hitches are loosely based on 10 days on/4 days off. Schedules are based around ever changing field efforts and logistics. **Duration:** June - September, but may vary depending upon conditions, volunteer availability, and project funding. Ideally volunteers are available for all or most of the field season. **Duties:** Conduct wolf surveys. Surveys include driving, biking, and hiking on roads and trails, and howling in suspected wolf areas to document presence and numbers. In general duties vary widely from vehicle maintenance to teamwork to survey work to livestock conflict management and much more. **Application Period:** Apply Now! Candidates will be selected in April. **How to Apply:** 1) Cover letter detailing your professional interests and experience as it pertains to these positions, and detail your period of availability 2) Resume 3) List of names and contact information of 3 references. Ideally email this info to: klaudon@mt.gov. If you must, you can also send application materials to: Montana Fish, Wildlife & Parks, Attn: Wolf Volunteer Program, 490 N. Meridian Rd., Kalispell, MT 59901. Telephone: (406) 751-4586, Fax: (406) 257-0349

The Science Education Programs at Oak Ridge National Laboratory offer several programs for undergraduate students in STEM fields to participate in a summer internship. For a full list of programs, visit our website at: http://www.orau.org/ornl. For more information on all the Science
Education Programs at Oak Ridge National Laboratory contact: ornledu@orau.org. Higher Education Research Experiences (HERE) This program is open to U.S. citizens and legal permanent residents who are currently enrolled in an A.S. or B.S. degree program with a minimum GPA of 2.5/4.0, including those who have completed a B.S. within the past year. Opportunities are available for 10 or more weeks during the summer term; some sabbatical appointments lasting 6 to 12 months, plus some intermittent appointments, also are available. **Priority suggested deadline period for summer 2011 applicants: February 1 – March 31.**

The California Council on Science and Technology (CCST) is pleased to announce that applications are now being accepted for the 2011-2012 **California Science and Technology Policy Fellowships** based in Sacramento. The S&T Policy Fellowship, a unique one-year professional development opportunity, provides selected fellows with hands-on experience working with the California Legislature to incorporate science and technology into public policy. Eligible applicants will be PhD-level (or equivalent) scientists and engineers who have a sincere interest in California current events, the state legislative process, and a strong desire to learn how policy decisions are made. **Deadline for submission of applications is March 31, 2011 at 5:00 p.m. PST.** More information is available at [http://fellows.ccst.us](http://fellows.ccst.us).

Colorado Ecosystem Field Studies. Study, hike and camp in the beautiful foothills of the Rocky Mountains, Earn 3 undergraduate credits through the University of Colorado at Boulder, and Gain Valuable skills in ecosystem field methods and research. **June 20-July 5, 2011.** Download a course syllabus at: [www.coefs.org](http://www.coefs.org).

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WEEKLY ANNOUNCEMENTS FOR MARCH 13–19, 2011

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FACULTY/STAFF/OTHER MEETINGS
There will not be a Biological Sciences Faculty Meeting Tuesday, March 15, 2011.

SEMINARS
Dr. Danna Zimmer, Texas A & M, Chair Job Candidate, will present her seminar, “The S100 Signal Transduction Cascade: From the Bench to the Bedside,” Tuesday, March 15, 2011, in Lecture Center 10 at 12:00 noon. Everyone (faculty, staff, and graduate students) is invited to a potluck hosted by Janet Loxterman and Ernest Keeley on Tuesday, March 15, 2011, at 6:30 PM.

Ryan Marcum, MS graduate student with Dr. Jean Pfau, will present his proposal seminar, “Activation of B1a B cells by glutamate,” Thursday, March 17, 2011, in Lecture Center 10 at 12:00 noon.

Angela Santin, MS graduate student with Dr. Ken Rodnick, will present her proposal seminar, “Measurements of Glucose and Glycated Blood Proteins in Rainbow Trout (Oncorhynchus mykiss),” Thursday, March 17, 2011, in Lecture Center 10 at 12:00 noon.

Dr. Mike Gibson, Michigan Tech University, Chair Job Candidate, will present his seminar, “Cellular Therapy in Mendelian Disorders: Translational Studies in Murine Models,” Thursday, March 17, 2011, in Lecture Center 10 at 4:00 PM. Everyone (faculty, staff, and graduate students) is invited to a potluck hosted by Shawn and Trudy Bearden on Friday, March 18, 2011, at 6:30 PM.

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PUBLICATIONS

Harmon, Kelli J., Bolinger, Mark T., Rodnick, Kenneth J. 2011. Carbohydrate energy reserves and effects of food deprivation in male and female rainbow trout. Comp Biochem Physiol A 158:423-431. Kelli and Mark are former graduate students in Dr. Rodnick's laboratory. Kelli is currently an instructor in our department and she is pursuing a Masters degree in Occupational Therapy at Idaho State University. Mark is now at the University of Michigan working on his PhD degree in Biomedical Sciences.

Biological Sciences Endowment Scholarship - 3.00 GPA, Financial Need, preference to students who participate in departmental activities such as earning credit for doing undergraduate research.

Edson Fichter Scholarship - 2.50 GPA, Undergrad/Grad, preference to students with research or volunteer experience in wildlife management and a career objective in the field of Wildlife Ecology.

Albert Burch Strahan Memorial Scholarship - 2.00 GPA, Junior or Senior, Ecology major, Idaho residency, preference to Wildlife or Stream Ecology.

Dr. Barry L. Keller Memorial - Graduate student enrolled in the ISU Department of Biological Sciences, recipients of this award shall be involved in the study of ecology, environmental sciences, or field biology. Award based upon academic merit.

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**Weekly Announcements for March 6–12, 2011**

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**Faculty/Staff/Other Meetings**

There will not be a Biological Sciences Faculty Meeting Tuesday, March 8, 2011.

**Seminars**

Scott Collins, PhD student with Dr. Colden Baxter, will present his proposal seminar, “Direct and Indirect Effects of Marine Derived Resource Subsidies in Stream-Riparian Ecosystems,” Tuesday, March 8, 2011, in Lecture Center 10 at 9:00 AM.

Dr. Chris Maher, University of Southern Maine, Chair Job Candidate, will present her seminar, “What can a solitary species tell us about the evolution of sociality?,” Tuesday, March 8, 2011, in Lecture Center 10 at 12:00 noon. Everyone (faculty, staff, and graduate students) is invited to a potluck hosted by Rosemary Smith & Rick Williams on Tuesday, March 8, 2011, at 6:30 PM.

Temple Grandin, named one of Time Magazine's Most Influential People in the World in 2010, will be visiting the campus of Idaho State University, as a guest of the ISU reading project, and sharing her unique life story and fascinating research, with the campus and community. The primary seminar is sold out at the Performing Arts Center, but Temple Grandin will also be presenting a special seminar for Biological Sciences, which is free to students, faculty, and staff. The seminar will be Wednesday, March 9, 2011, from 3:30 - 4:30 PM in LC 10. There will be a book signing and sale after the presentation. Please no flash photography during the presentation, it bothers her.

Dr. David Hartnett, Kansas State University, Chair Job Candidate, will present his seminar, “Plants, Animals & Fungi: Biotic Interactions and Vegetation Dynamics in Grasslands,” Thursday, March 10, 2011, in Lecture Center 10 at 4:00 PM. Everyone (faculty, staff, and graduate students) is invited to a potluck hosted by Mike Thomas & Alissa Salmore on Friday, March 11, 2011 at 6:30 PM.

Dr. Carrine Blank, Molecular Biology/Microbiology Job Candidate, will present her seminar, “Phylogenomic Approaches to Reconstructing Trait Evolution in the Cyanobacteria and Early Eukaryotic Algae: the Co-evolution of Microorganisms with the Early Earth,” Friday, March 11, 2011, in Lecture Center 10 at 3:00 PM.

**Upcoming Events**

Dr. Trent Stephens and Mary Ann Stoll will both be retiring at the end of this spring semester. Please keep Friday, April 15, 2011, from 6:30 - 11:00 PM open on your calendars. It will be held at the Booth Barn. Formal invitations will be sent closer to the date with details.
**PUBLICATIONS**


**TRAVEL**

Dr. Jean Pfau and MS student, Ryan Marcum, will travel to Washington DC March 4 - March 10, 2011, for the Society of Toxicology Annual Meeting. Ryan will present his data on, “The Effects of Glutamate on B1a B cells.” Dr. Pfau, along with her collaborators, Drs. Linda DeVeaux and Caryn Evilia, will be presenting a K-12 Education poster highlighting the success of the Idaho Science & Engineering Festival. Dr. Pfau will also present work by Lucas Marchand (WWAMI Medical Student) regarding his discovery of anti-mesothelial cell autoantibodies in people with asbestos-related pleural disease. Parag Joshi, MS student with Dr. Mike Thomas, is also attending this meeting, presenting his work on the effects of waterborne pharmaceuticals on gene expression in a fish model.

**SCHOLARSHIP OPPORTUNITIES**


- **Biological Sciences Endowment Scholarship** - 3.00 GPA, Financial Need, preference to students who participate in departmental activities such as earning credit for doing undergraduate research.
- **Edson Fichter Scholarship** - 2.50 GPA, Undergrad/Grad, preference to students with research or volunteer experience in wildlife management and a career objective in the field of Wildlife Ecology.
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Higher Education Research Experiences (HERE)

This program is open to U.S. citizens and legal permanent residents who are currently enrolled in an A.S. or B.S. degree program with a minimum GPA of 2.5/4.0, including those who have completed a B.S. within the past year. Opportunities are available for 10 or more weeks during the summer term; some sabbatical appointments lasting 6 to 12 months, plus some intermittent appointments, also are available. **Priority suggested deadline period for summer 2011 applicants: February 1 – March 31.**

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WEEKLY ANNOUNCEMENTS FOR FEBRUARY 27–MARCH 5, 2011

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FACULTY/STAFF/OFFER MEETINGS

Department of Biological Sciences Faculty Meeting will be held Tuesday, March 1, 2011, in the Lecture Center 15/17 at noon. Research Cluster discussions.

SEMINARS

Dr. Kristine Lowe, Molecular Biology/Microbiology Job Candidate Seminar, will present her seminar Tuesday, March 1, 2011, in Lecture Center 10 at 3:00 PM.

Dr. Chris Noriega, Molecular Biology/Microbiology Job Candidate Seminar, will present her seminar Friday, March 4, 2011, in Lecture Center 10 at 3:00 PM.

PUBLICATIONS


AWARDS AND RECOGNITIONS

Dr. Terry Bowyer was recently elected the Vice President of the Pocatello Zoological Society.
SCHOLARSHIP OPPORTUNITIES

The COMBINED BIOLOGICAL SCIENCES SCHOLARSHIPS are available for application:

Biological Sciences Endowment Scholarship - 3.00 gpa, Financial Need, preference to students who participate in departmental activities such as earning credit for doing undergraduate research.

Edson Fichter Scholarship - 2.50 gpa, Undergrad/Grad, preference to students with research or volunteer experience in wildlife management and a career objective in the field of Wildlife Ecology.

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APPLICATIONS

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The Division of Wildlife Resources Ogden Regional Office is accepting applications for two interns that will assist as fisheries aides during the summer field season (May 23-Aug. 15th). Incumbents will gain experience conducting biological assessments using techniques such as electrofishing, gillnetting, trap netting, spawning counts, and seining. Other work will include habitat surveys, amphibian population assessment, gear maintenance, and data entry. Frequent camping may be required, some in remote wilderness areas. Interest and or background in fisheries, wildlife, or natural resource management are required. Housing and transportation will be provided along with a subsistence allowance of $400.00/month. College credits are possible. Closing date: February 28, 2011. Interested applicants can send a cover letter and resume to Chris Penne, Utah Division of Wildlife Resources, 515 East 5300 South, Ogden, UT 84405. Materials can also be emailed to chrispenne@utah.gov. Phone: (801) 656-8694.

The NASA Idaho Space Grant is now accepting EPSCOR Fellowship Applications. Students pursuing a master or doctoral degree at Boise State University, Idaho State University or the University of Idaho are encouraged to apply. Applicants must be a U.S. citizen or have permanent residency, must collaborate with a faculty member or research group conducting one or more semesters of NASA-related research and have an undergraduate GPA of 3.0 or higher, or if the applicant has completed graduate classes, GPA must be 3.5 or higher in the graduate program. Deadline for applications is Tuesday, March 1, 2011 5pm PST. Please see the following link to apply: http://id.spacegrant.org/index.php?page=fellowships.

The Center for Environmental Farming Systems (CEFS) is seeking highly-motivated undergraduate students from a variety of different backgrounds, with a strong interest in sustainable agriculture, to participate in a unique 8-week summer internship (June 6-July 29, 2011). The Center for Environmental Farming Systems (CEFS) develops and promotes food and farming systems that protect the environment, strengthen local communities and provide economic opportunities in North Carolina and beyond. CEFS was established in 1994 by North Carolina State University, North Carolina Agricultural and Technical State University, and the North Carolina Department of Agriculture and Consumer Services to serve as a center dedicated to sustainable agriculture research, extension and education. For more information please see:
Students may apply now to one of NASA’s summer research opportunities on or before March 1, 2011. Through the agency’s new Student On-Line Application for Recruiting Interns, Fellows and Scholars (SOLAR) System, undergraduate and graduate students in STEM fields can search and apply to a variety of NASA opportunities. Visit the SOLAR Launchpad at http://intern.nasa.gov. Through this website, students can register, complete one application, and apply to up to 15 specific research opportunities. We encourage qualified students to begin their application today! A completed application must include the following: General Information, Education and Work Experience, Resume, Transcript, and Letter of Recommendation (Students should allow enough time to request the Letter of Recommendation, and to have it submitted by the Recommender by March 1st. An application is not complete until the Letter of Recommendation is received by the system.) If you have questions or need assistance with completing your application, please call us at 1-800-231-9155 or email: nasaossi.uncfsp.org for assistance.

2011 Center for Environmental Farming Systems (CEFS) Summer Sustainable Agriculture Internship Program. Seeking highly motivated undergraduate students from a variety of different backgrounds, with a strong interest in sustainable agriculture, to participate in a unique 8-week summer internship. Internship will run from June 6-July 29, 2011, at the CEFS research farm in Goldsboro, NC. For more information please see www.cefs.ncsu.edu. Program application deadline: Tuesday, March 1, 2011.

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**Faculty/Staff/Other Meetings**

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**Seminars**

Mike Peterson, Idaho Department of Fish and Game, will present his seminar, “The Road Towards Recovery: A 20 Year History of the Snake River Sockeye Salmon Captive Broodstock Program from a Hatchery, Research and Genetic Perspective,” Thursday, February 24, 2011, in Lecture Center 10 at 4:00 PM.

Sue Parsons, DA graduate student with Dr. Rosemary Smith, will present her proposal seminar, “Gene Flow Patterns and Parentage in a Burying Beetle: Using Molecular Genetics to Study Cryptic Behaviors,” Thursday, February 24, 2011, in Lecture Center 10 at 12:00 noon.

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**Presentations**

Dr. Jeff Meldrum presented a seminar, *Sasquatch: Legend Meets Science*, at the Sun Valley Center for the Arts, February 10, 2011. He will also be presenting at the National Oregon Trail Historic Center in Montpelier, Idaho, February 18, 2011.

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**Travel**

Dr. Michael Thomas, Erin O'Leary-Jepsen, and Christine Ryan will be attending the annual meeting of the Association of Biomolecular Resource Facilities (ABRF) in San Antonio, Texas, February 19-23, 2011. The ABRF is an international society dedicated to advancing core and research biotechnology laboratories through research, communication, and education.

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**Publications**


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**Opportunities**

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The National Science Foundation Environmental Engineering has $9.4 million for 44 awards of at least $300,000 each. This particular program fosters environmental sustainability through pollution control and resource management and conservation and development of techniques to minimize or avoid generating pollution. Major areas of interest include: (1) water and wastewater treatment; (2) emerging contaminants; (3) water resources management; (4) soil remediation and landfill; and (5) air quality. For more information and grant guidance please visit: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501029. Check website for updated due dates.

Wildlife Brigade Internship - Grand Teton National Park. Temporary, Full-Time (12 Week Internship from May – September). Interested candidates should submit following materials: cover letter addressing the individual’s interest in the internship and relevant experience, a resume outlining the applicant’s experience and education, including contact information for three references (include at least one previous work supervisor). Email materials to wildlife-brigade-interns@greateryellowstone.org and be sure to “your full name” in the subject line AND “Wildlife Brigade Intern” to insure proper delivery. Requested materials are due by midnight (MST) on February 21, 2011. Before hiring, a background check will be required. Questions should be directed to Chris Colligan at (307)734-0633 or to the above email address.

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**2011 Center for Environmental Farming Systems (CEFS) Summer Sustainable Agriculture Internship Program.** Seeking highly motivated undergraduate students from a variety of different backgrounds, with a strong interest in sustainable agriculture, to participate in a unique 8-week summer internship. Internship will run from June 6-July 29, 2011, at the CEFS research farm in Goldsboro, NC. For more information please see [www.cefs.ncsu.edu](http://www.cefs.ncsu.edu). **Program application deadline: Tuesday, March 1, 2011.**

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FACULTY/STAFF/OTHER MEETINGS

There will not be a Biological Sciences Faculty Meeting Tuesday, February 15, 2011.

SEMINARS

Dr. Jennifer Mosher, Oak Ridge National Laboratory, Molecular Biology/Microbiology Job Candidate Seminar, will present her seminar, “Microbial Community Dynamics in Lactate Enriched Hanford Groundwater,” Tuesday, February 15, 2011, in Lecture Center 10 at 3:00 PM.

Dr. Bruce Smith, Biologist and Author, will present his seminar, “American Indians and wildlife: restoring a natural and cultural heritage in Wyoming,” Wednesday, February 16, 2011, in Lecture Center 10 at 9:00 AM.

Mike Peterson, Idaho Department of Fish and Game, will present his seminar, “The Road Towards Recovery: A 20 Year History of the Snake River Sockeye Salmon Captive Broodstock Program from a Hatchery, Research and Genetic Perspective,” Thursday, February 24, 2011, in Lecture Center 10 at 4:00 PM.

PRESENTATIONS

Dr. Jeff Meldrum participated in the production of a two-hour documentary produced by Dangerous Films of London for joint airing on the History Channel and Discovery Canada to air beginning February 2, 2011. Meldrum was joined by Dr. Jack Rink, geochemist, McMaster University; Dr. Anna Nekaris, primatologist, Oxford Brookes University; Dr. William Sellars, computational zoologist, University of Manchester; and Dr. Ian Redmond OBE, tropical biologist and conservationist.

PUBLICATIONS


OPPORTUNITIES

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Wildlife Brigade Internship - Grand Teton National Park. Temporary, Full-Time (12 Week Internship from May – September). Interested candidates should submit following materials: cover letter addressing the individual’s interest in the internship and relevant experience, a resume outlining the applicant’s experience and education, including contact information for three references (include at least one previous work supervisor). Email materials to wildlife-brigade-interns@greateryellowstone.org and be sure to “your full name” in the subject line AND “Wildlife Brigade Intern” to insure proper delivery. Requested materials are due by midnight (MST) on February 21, 2011. Before hiring, a background check will be required. Questions should be directed to Chris Colligan at (307)734-0633 or to the above email address.

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WEEKLY ANNOUNCEMENTS FOR JANUARY 30–FEBRUARY 5, 2011

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FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held Tuesday, February 1, 2011, in the Lecture Center 15/17 at noon.

SEMINARS

Dr. Marie-Anne de Graff, Boise State University, will present her seminar, “Biotic and Abiotic Controls on Belowground Ecosystem Processes in a Changing World,” Thursday, February 3, 2011, in Lecture Center 10 at 4:00 PM.

PRESENTATIONS

Dr. Ken Rodnick and his students (*undergraduate and **graduate) presented three posters at the Annual Meeting of the Society for Integrative and Comparative Biology in Salt Lake City, Utah, January 3-7, 2011.

- Santin A. E.** Rodnick K. J. “Measurement of glycated hemoglobin in rainbow trout.”
- Shiosaki M. G.*, Lamure C. Y.*, Rodnick K. J. “Erythrocyte size and relative percentages of blood cells in different size rainbow trout, Oncorhynchus mykiss.”

Dr. Jeff Meldrum presented a seminar, “Sasquatch: The Global Phenomenon”, to the Department of Anthropology at Indiana University, Thursday, January 27, 2011.

PUBLICATIONS

Gamperl A. K., Swafford B., Rodnick K. J. Elevated temperature, per se, does not limit the ability of rainbow trout to increase stroke volume. Journal of Thermal Biology 36:7-14, 2011.

AWARDS AND RECOGNITIONS

Dr. Karen Austin, former DA student of Drs. Jeff Meldrum and Bill Akersten, was awarded the Educator of the Year Merit Award for 2009-2010 from Florida Hospital College of Health Sciences. She was one of six individuals recognized by her peers for exemplary achievement and merit.

JOB OPPORTUNITIES

The Idaho Department of Fish and Game has Fish Culturist positions for statewide openings on open competitive announcement until February 1, 2011. The announcement is located at the following link: https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00810073198. Applications will only be accepted through this website.

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Department of Energy (DOE) Scholars Program is now accepting applications for Summer 2011. For more information or to apply go to: http://orise.orau.gov/doescholars. Deadline is Monday, January 31, 2011! Majors accepted include: engineering; physical sciences; environmental sciences; computer science and information technology; physics; program management; math; statistics; safety and health; accounting and finance; law; and other related discipline areas.

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- **Department of Energy (DOE) Science Undergraduate Laboratory Internships (SULI)** The DOE SULI program is a nationwide undergraduate internship experience that occurs at a National Laboratory. The program is open to undergraduate students that are either U.S. citizens or legal permanent residents. Students must have completed the first semester of college. Applications open on May 1 for a fall internship, September 1 for a spring internship, and October 1 for a 10 week summer internship. **Priority deadline for summer 2011 applicants: February 1.** Please choose Oak Ridge National Laboratory as your first choice.

- **Higher Education Research Experiences (HERE)** This program is open to U.S. citizens and legal permanent residents who are currently enrolled in an A.S. or B.S. degree program with a minimum GPA of 2.5/4.0, including those who have completed a B.S. within the past year. Opportunities are available for 10 or more weeks during the summer term; some sabbatical appointments lasting 6 to 12 months, plus some intermittent appointments, also are available. **Priority suggested deadline period for summer 2011 applicants: February 1 – March 31.**

- **Department of Energy (DOE) Community College Institute (CCI)** This program places students from community colleges into paid internships across the country at a DOE National Laboratory. Students work with scientists or engineers on projects related to the laboratories’ research programs. The CCI program is open to both U.S. citizens and legal permanent residents during the summer term for 10 weeks for students currently in working toward a STEM related degree at community college and with at least one semester completed. **Priority deadline for summer 2011 applicants: February 1.** Please choose Oak Ridge National Laboratory as your first choice.

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WEEKLY ANNOUNCEMENTS FOR JANUARY 23–29, 2011

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FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held Tuesday, January 25, 2011, in the Lecture Center 15/17 at noon.

AWARDS AND RECOGNITIONS

Dr. Jack Rose’s Faculty Research Committee (FRC) proposal, “The Effects of Prolactin on Glucose Trapping and Glycogen Synthesis in the Uterine Glands of Mink,” will be funded for $4289 from January 3 to December 31, 2011.

Noreen King was chosen as an ISU Cares “Spot” Award Winner for November! Noreen has worked for Idaho State University for 14 years. She has been an Office Specialist in the Physician Assistant program and an Administrative Assistant to the Dean before coming to work as an Administrative Assistant in Biological Sciences. She has an associate degree in Office Systems from Florida. In her spare time she likes to make apple and pineapple wine! She was nominated for all the extra help she gives to students and staff, and for her enthusiasm and pride in her job. Congratulations Noreen!

Dr. John Kie's recent publication, “Home Ranges in the Philosophical Transactions of the Royal Society,” was featured in the latest issue of the Wildlife Professional.

Dr. Ken Aho was briefly interviewed by Emma Marris of Nature for the article, “The End of the Wild.” The article appears in volume 469 which was printed January 13, 2011. Article found at: http://www.nature.com/news/2011/110112/pdf/469150a.pdf

Dr. Colden Baxter traveled with ISU biology graduate student, Kevin Donner, to Moab, Utah, January 12-13, 2011, to participate in the 32nd Annual Researchers' Meeting of the Upper Colorado River Fish Recovery Program and San Juan River Basin Recovery Implementation Program. They gave the following oral presentations:

**TRAVEL**

Dr. Terry Bowyer traveled to Reno, Nevada, on January 19, 2011, where he presented the keynote address, “Metrics of Predation: Perils of Predator-Prey Ratios,” to the Nevada Chapter of The Wildlife Society. His co-authors are John Kie, Dave Person, and Kevin Monteith. He then traveled to Coeur d'Alene, Idaho, on January 21, 2011, where he gave an invited presentation to the 19th Annual Family Foresters Workshop entitled, “Moose: Living with Them and Managing Their Habitats.”

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