



**ISU**

# Newsletter

**Idaho State  
UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF DECEMBER 9, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held on **Tuesday, December 11, 2012**, in **Lecture Center 15/17 at noon**.

## SEMINARS

**Kate Behn**, MS student with **Dr. Colden Baxter**, will present her proposal seminar **Thursday, December 13, 2012**, in **Lecture Center 10 at 12 Noon**.

## PUBLICATIONS

Whiting, J.C., D.D. Olson, J.M. Shannon, **R.T. Bowyer**, R.W. Klaver, and J.T. Flinders. 2012. Timing and synchrony of births in bighorn sheep: implications for reintroduction and conservation. *Wildlife Research* 39:565-572.

Whiting, J.C., V.C. Bleich, **R.T. Bowyer**, and R.T. Larsen. 2012. Water availability and bighorn sheep: life-history characteristics and persistence of populations. Pages 127-158 in *Advances in Environmental Research* Vol. 21 (J.A. Daniels, ed.), Nova Science Publishers, Inc., Hauppauge, New York.

**Bowyer, R.T.**, K.M. Stewart, K.L. Monteith\*, and R.L. Long\*. 2012. Wildlife ecology. Pages 2963-2968 in *Encyclopedia of Environmetrics* (A.-H. El-Shaarawi and W. Piegorisch, eds.), Second edition. John Wiley & Sons LTD., Chichester, UK.

Sophie St-Hilaire, Victor O Ezike, Henrik Stryhn and **Michael A Thomas**. 2012. An ecological study on childhood autism. *International Journal of Health Geographics* 11:44.

## UPCOMING EVENTS

Remember the Department of Biological Sciences Annual Christmas Party is Friday, December 14, 2012, from 6:30 – 11:00 PM at the Ernest Keeley and Janet Loxterman Residence. Hope to see you there!

## GRANTS FUNDED

**Dr. Chris Cretekos** was awarded a 3 year grant from the National Science Foundation for his proposal, "Genetic determinants of mammalian limb biodiversity." Total direct costs about \$500,000 (ISU \$150,000). Co-PI with Karen Sears & Sheng Zhong (University of Illinois-Urbana/Champaign) and Richard Behringer (UT MDAnderson Cancer Center). Funded for January 2013 – December 2016.

**Dr. Carolyn F. Weber** was awarded a \$17,000 University Research Committee Grant for her proposal, "Isoprene-consuming bacteria on plant leaf surfaces: a potential mechanism for controlling atmospheric chemistry."

## OPPORTUNITIES

**Graduate Study in Floristics, Rocky Mountain Herbarium. Current project available for summers 2013 and 2014 - Flora of the Selway-Bitterroot Wilderness, Nez Perce National Forest (East central Idaho).** The Rocky Mountain Herbarium seeks students interested in pursuing a M.S. degree in broad-scale floristics. Successful applicants are expected to be highly motivated and physically fit, capable of working with limited supervision (following a period of training and subsequent assistance in the field). They must be competitive with other applicants to the Department of Botany for financial support — generally a GRE score of >154 (>1200) for verbal/quant and a GPA of 3.2. Documents describing various aspects of the program and facilities are at <http://www.rmh.uwyo.edu> and <http://uwadmnweb.uwyo.edu/botany/>. For further details contact Ronald L.Hartman, University of Wyoming, Rocky Mountain Herbarium, Department of Botany, Dept. 3165, 1000 East University Ave., Laramie, Wyoming 82071; [rhartman at uwyo.edu](mailto:rhartman@uwyo.edu); 307/766-2236.

**Announcement for 2013 Education, Research, and Inventory Grant proposals.** The Idaho Native Plant Society (INPS) is soliciting proposals for its Education, Research, and Inventory Grant (ERIG) program. Grants of up to \$1,000 will be awarded in 2013 to support projects that contribute to the appreciation, conservation, or knowledge of Idaho's native flora or vegetation. The purpose of the ERIG program is to stimulate and lend support to educational, research, and conservation activities that promote an appreciation for native plants and plant communities in Idaho. The ERIG committee encourages you to submit a proposal if you have a project that may qualify. **The deadline for submitting a proposal** is March 31, 2013. Grant guidelines – The ERIG program is intended to support direct project costs. Grant proposals should not include expenses for salary and personal benefits, the purchase of personal equipment, or other expenses not essential to the project. **Here are some examples of costs the grant may cover: Direct costs** of travel, meals, and lodging for the project. **Supply and service expenses** used for the sole purpose of the project (e.g., film, photocopying, phone, lab materials). **Printing costs** for public outreach material or research publications. **Application procedure and requirements – Proposals should contain the following information: Project title. Contact information** - name, address, phone number, organization/affiliation, and email (if available). **Project description** – outline the project objectives, methods, and final product. Explain how the project will benefit the appreciation, conservation, or knowledge of Idaho's native flora or vegetation. Describe how project success will be evaluated. **Itemized budget** – outline an overall project budget, including the amount you are requesting (up to \$1,000), as well as other funding sources. **Timeline** – please provide a time line for completion of all major tasks associated with the project, including presentation of the results. Project proposals must pertain to native plants of Idaho. Please limit grant requests to a maximum of \$1,000, and be aware that less may be rewarded due to INPS budget constraints and the number of applications submitted. Recipients of these awards will have a timeline of two years from the date of the written award to complete their projects. Successful applicants will be required to submit a final report to the INPS documenting project accomplishments and a summary of the project to be published in the INPS newsletter, Sage Notes. We encourage applicants to become an INPS member if they are not already so, however, membership is not a prerequisite to apply for, or receive an ERIG. **Please submit proposals by email to Janet Bala at [balajane@isu.edu](mailto:balajane@isu.edu) or by post to:** Idaho Native Plant Society, ATTN: ERIG Committee Chair, P.O. Box 9451, Boise, ID 83707.

**University of Washington Environmental Health Summer Research Program.** June 24-August 23, 2013, in Seattle, WA. **Application Deadline:** February 15, 2013. The UW Environmental Health Research Experience Program (EHREP) is a funded, nine-week summer experience for undergraduates from any 2 or 4 year college or university with an interest in environmental health sciences. 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. To learn more about the program and the application process, please visit our website: <http://deohs.washington.edu/academics/undergraduate-summer-research-program/details-application>.

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## JOB OPPORTUNITIES

**Sales Executive Job Description:** Granite Seed and Erosion Control is the leading provider of conservation seed and erosion control products in North America. We are currently adding a Sales Executive in our Denver, Colorado office. Executive will be responsible for helping service existing customers and developing new leads. This position is primarily inside sales with potential infrequent travel (approximately once per quarter), and requires a strong technical background in native seed and/or turf products. Ideal start date is January 1, 2013, but we will accommodate for strong candidates graduating in spring 2013. **Required undergraduate/graduate degrees:** Rangeland Sciences, Wildlife Conservation, Agronomy, Plant Sciences, or other related degree. **Experience in one or more of the following areas is a plus but not required:** Government agencies such as NRCS, BLM, USFS, Fish & Wildlife, etc. or Commercial projects such as mine and landfill reclamation, wetlands restoration or wildlife conservation. **Compensation:** \$45,000 to \$75,000 depending on education and experience. Attractive bonus plan. Significant opportunities to grow within the company. *Please send resumes and questions to Daryle Bennett at [daryle@graniteseed.com](mailto:daryle@graniteseed.com).*

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## PAYROLL INFORMATION

**Our pay period ends Saturday, December 8, 2012.** Please be sure to **submit your time by Monday, December 10, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, December 11, 2012,** when time cards are due to Payroll.



# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF NOVEMBER 25, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held on **Tuesday, November 27, 2012**, in Lecture Center 15/17 at noon.

## SEMINARS

Masaru Takahashi, PhD student with **Drs. Nancy Huntly and Terry Bowyer**, will present his defense seminar, *Dynamics of the Interactions between Big Sagebrush & Its Associated Arthropods in Southeastern Idaho: Food Webs & Impact of Herbivory in a Changing Climate*, **Friday, November 30, 2012**, in Lecture Center 10 at 12 Noon.

## GRANTS FUNDED

**Dr. Luobin Yang** and **Dr. Michael Thomas** were awarded a \$16,950 University Research Committee Grant for their proposal, "Investigation of Biological Implications of Environmental Toxins on Human Health through High Throughput RNA Sequencing of Fish."

## OPPORTUNITIES

**Graduate Study in Floristics, Rocky Mountain Herbarium. Current project available for summers 2013 and 2014 - Flora of the Selway-Bitterroot Wilderness, Nez Perce National Forest (East central Idaho).** The Rocky Mountain Herbarium seeks students interested in pursuing a M.S. degree in broad-scale floristics. Successful applicants are expected to be highly motivated and physically fit, capable of working with limited supervision (following a period of training and subsequent assistance in the field). They must be competitive with other applicants to the Department of Botany for financial support — generally a GRE score of >154 (>1200) for verbal/quant and a GPA of 3.2. Documents describing various aspects of the program and facilities are at <http://www.rmh.uwyo.edu> and <http://uwadmnweb.uwyo.edu/botany/>. For further details contact Ronald L.Hartman, University of Wyoming, Rocky Mountain Herbarium, Department of Botany, Dept. 3165, 1000 East University Ave., Laramie, Wyoming 82071; [rhartman at uwyo.edu](mailto:rhartman@uwyo.edu); 307/766-2236.

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meals, and lodging for the project. **Supply and service expenses** used for the sole purpose of the project (e.g., film, photocopying, phone, lab materials). **Printing costs** for public outreach material or research publications. **Application procedure and requirements – Proposals should contain the following information:** **Project title.** **Contact information** - name, address, phone number, organization/affiliation, and email (if available). **Project description** – outline the project objectives, methods, and final product. Explain how the project will benefit the appreciation, conservation, or knowledge of Idaho’s native flora or vegetation. Describe how project success will be evaluated. **Itemized budget** – outline an overall project budget, including the amount you are requesting (up to \$1,000), as well as other funding sources. **Timeline** – please provide a time line for completion of all major tasks associated with the project, including presentation of the results. Project proposals must pertain to native plants of Idaho. Please limit grant requests to a maximum of \$1,000, and be aware that less may be rewarded due to INPS budget constraints and the number of applications submitted. Recipients of these awards will have a timeline of two years from the date of the written award to complete their projects. Successful applicants will be required to submit a final report to the INPS documenting project accomplishments and a summary of the project to be published in the INPS newsletter, Sage Notes. We encourage applicants to become an INPS member if they are not already so, however, membership is not a prerequisite to apply for, or receive an ERIG. **Please submit proposals by email to Janet Bala at [balajane@isu.edu](mailto:balajane@isu.edu) or by post to:** Idaho Native Plant Society, ATTN: ERIG Committee Chair, P.O. Box 9451, Boise, ID 83707.

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## JOB OPPORTUNITIES

**Sales Executive Job Description:** Granite Seed and Erosion Control is the leading provider of conservation seed and erosion control products in North America. We are currently adding a Sales Executive in our Denver, Colorado office. Executive will be responsible for helping service existing customers and developing new leads. This position is primarily inside sales with potential infrequent travel (approximately once per quarter), and requires a strong technical background in native seed and/or turf products. Ideal start date is January 1, 2013, but we will accommodate for strong candidates graduating in spring 2013. **Required undergraduate/graduate degrees:** Rangeland Sciences, Wildlife Conservation, Agronomy, Plant Sciences, or other related degree. **Experience in one or more of the following areas is a plus but not required:** Government agencies such as NRCS, BLM, USFS, Fish & Wildlife, etc. or Commercial projects such as mine and landfill reclamation, wetlands restoration or wildlife conservation. **Compensation:** \$45,000 to \$75,000 depending on education and experience. Attractive bonus plan. Significant opportunities to grow within the company. *Please send resumes and questions to Daryle Bennett at [daryle@graniteseed.com](mailto:daryle@graniteseed.com).*

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## PAYROLL INFORMATION

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# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF NOVEMBER 11, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held on **Tuesday, November 13, 2012**, in Lecture Center 15/17 at noon. .

## GRANTS FUNDED

**Dr. Jeff Meldrum** (with Bill Munns). Patterson-Gimlin Trackway Analysis. Cestone Foundation. \$16,200.

## OPPORTUNITIES

**Graduate Study in Floristics, Rocky Mountain Herbarium. Current project available for summers 2013 and 2014 - Flora of the Selway-Bitterroot Wilderness, Nez Perce National Forest (East central Idaho).** The Rocky Mountain Herbarium seeks students interested in pursuing a M.S. degree in broad-scale floristics. Successful applicants are expected to be highly motivated and physically fit, capable of working with limited supervision (following a period of training and subsequent assistance in the field). They must be competitive with other applicants to the Department of Botany for financial support – generally a GRE score of >154 (>1200) for verbal/quant and a GPA of 3.2. Documents describing various aspects of the program and facilities are at <http://www.rmh.uwyo.edu> and <http://uwadmnweb.uwyo.edu/botany/>. For further details contact Ronald L.Hartman, University of Wyoming, Rocky Mountain Herbarium, Department of Botany, Dept. 3165, 1000 East University Ave., Laramie, Wyoming 82071; [rhartman at uwyo.edu](mailto:rhartman@uwyo.edu); 307/766-2236.

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## JOB OPPORTUNITIES

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## PAYROLL INFORMATION

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**ISU**

# Newsletter

**Idaho State  
UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF OCTOBER 14, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

There will **NOT** be a Department of Biological Sciences Faculty Meeting on Tuesday, October 16, 2012.

## SEMINARS

**Dr. Michael Thomas, Department of Biological Sciences**, will present his promotion seminar **Thursday, October 18, 2012**, in Lecture Center 10 at 4 PM.

**Jason Hunt**, PhD student with **Dr. Jack Rose**, will present his defense seminar **Thursday, October 25, 2012**, in Lecture Center 10 at 4 PM.

**Dr. Kathleen Lohse, Department of Biological Sciences**, will present her tenure and promotion seminar **Thursday, November 1, 2012**, in Lecture Center 10 at 4 PM.

## JOB OPPORTUNITIES

The **Portland Water Bureau (PWB)** is seeking an **Environmental Specialist with a Wildlife Biologist Specialty** to support an on-going regulatory compliance program and to provide key input to help PWB meet other permitting requirements concerning wildlife. **Closing date:** October 15, 2012. **For more information** about this position and to apply please check [www.portlandoregon.gov/jobs](http://www.portlandoregon.gov/jobs).

## OPPORTUNITIES

The **Virginia Tech Molecular Plant Sciences (MPS) graduate program** is having a recruiting weekend in Blacksburg, VA on **October 26-28, 2012**. Undergraduate students (juniors or seniors) who are interested in attending graduate school in Molecular Plant Sciences are encouraged to apply. Applications are being accepted online for the recruiting weekend: <http://www.molplantsci.org.vt.edu/recruitingweekend.html>.

## PAYROLL INFORMATION

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# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF OCTOBER 21, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held on **Tuesday, October 23, 2012**, in Lecture Center 15/17 at noon.

## SEMINARS

**Christian Zebedeo**, MS student with **Dr. Jean Pfau**, will present his proposal seminar **Thursday, October 25, 2012**, in Lecture Center 10 at noon.

**Jason Hunt**, PhD student with **Dr. Jack Rose**, will present his defense seminar **Thursday, October 25, 2012**, in Lecture Center 10 at 4 PM.

**Dr. Kathleen Lohse**, Department of Biological Sciences, will present her tenure and promotion seminar **Thursday, November 1, 2012**, in Lecture Center 10 at 4 PM.

## PUBLICATIONS

*Mitchell P.J., Sarmiento E.E., Meldrum D.J.* 2012. The AL333-160 fourth metatarsal from Hadar compared to that of humans, great apes, baboons and proboscis monkeys: Non-conclusive evidence for pedal arches or obligate bipedality in Hadar hominins. *HOMO – Journal of Comparative Human Biology* 63:336–367.

## OPPORTUNITIES

**ISU graduating seniors** will soon have an opportunity to hone their job interview skills and to learn salary benchmarking in preparation for their first jobs following college graduation. The training, **Start Smart**, consists of two sessions. The first, on **October 25, 2012**, from **4:00 to 6:30 PM** covers behavioral interviewing and the second, on **October 26, 2012**, from **3:00 to 6:30 PM** covers salary negotiation. Alternatively, both sessions will be given back-to-back on **Saturday October 27, 2012**, from **9 AM to 2:30 PM**. All sessions will be held in the **Salmon River Suite** at the **Pond Student Union**. **The workshops are free but pre-registration is required.** Interested junior, senior and graduate students should register immediately at: <https://www.surveymonkey.com/s/StartSmartFALL2012>.

The **Virginia Tech Molecular Plant Sciences (MPS) graduate program** is having a recruiting weekend in Blacksburg, VA on **October 26-28, 2012**. Undergraduate students (juniors or seniors) who are interested in attending graduate school in Molecular Plant Sciences are encouraged to apply. Applications are being accepted online for the recruiting weekend: <http://www.molplantsci.org.vt.edu/recruitingweekend.html>.

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## **PAYROLL INFORMATION**

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# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF OCTOBER 28, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held on **Tuesday, October 30, 2012**, in **Lecture Center 15/17 at noon**.

## SEMINARS

**Dr. Kathleen Lohse, Department of Biological Sciences**, will present her tenure and promotion seminar, Linking hydrology and biogeochemistry to predict ecosystem responses to anthropogenic changes, **Thursday, November 1, 2012**, in **Lecture Center 10 at 4 PM**.

## PUBLICATIONS

\*Davis, J.M., C.V. Baxter, **G.W. Minshall**, N.F. Olson, C. Tang, and B.T. Crosby. 2012. Climate-induced shift in hydrologic regime alters basal resource dynamics in a wilderness river ecosystem. *Freshwater Biology*. In press.

McWethy, D.B., W.F. Cross, **C.V. Baxter**, C. Whitlock, and R.E. Gresswell. 2012. Natural disturbance dynamics – shaping the Yellowstone landscape. Invited chapter In R.A. Garrott and P.J. White, editors. *Yellowstone's wildlife in transition*. Harvard University Press.

## JOB OPPORTUNITIES

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## OPPORTUNITIES

The **Idaho NASA EPSCoR Program**, requests aerospace and space science research pre-proposals for the NASA EPSCoR program. Pre-proposals will be used to determine those proposals that will be fully developed in response to the call for proposals expected to be released by NASA in January,

2013. Institutions eligible for this pre-proposal call include ALL Idaho Space Grant Consortium Academic Affiliates. **Release Date:** Friday, October 19, 2012. **Notice of Intent Due:** Friday, November 2, 2012. **Pre-proposals Due:** Wednesday, December 5, 2012. Researchers can propose for up to \$750,000 over a 3 year period. Contact ISU OSP for guidelines ([chipkati@isu.edu](mailto:chipkati@isu.edu)) or visit <http://www.id.spacegrant.org/> for more information on the Idaho NASA EPSCoR program or Idaho Space Grant Consortium. You can also contact the Idaho NASA EPSCoR program office at (208) 885-6438 or [isgc@uidaho.edu](mailto:isgc@uidaho.edu) with any questions.

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## PAYROLL INFORMATION

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# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF SEPTEMBER 30, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, October 2, 2012**, in the Lecture Center 15/17 at noon.

## SEMINARS

**Dr. Tim Magnuson, Department of Biological Sciences**, will present his promotion seminar **Thursday, October 4, 2012**, in Lecture Center 10 at 4 PM.

**Dr. Chris Cretekos, Department of Biological Sciences**, will present his tenure and promotion seminar **Thursday, October 11, 2012**, in Lecture Center 10 at 4 PM.

**Dr. Michael Thomas, Department of Biological Sciences**, will present his promotion seminar **Thursday, October 18, 2012**, in Lecture Center 10 at 4 PM.

**Jason Hunt**, PhD student with **Dr. Jack Rose**, will present his defense seminar **Thursday, October 25, 2012**, in Lecture Center 10 at 4 PM.

**Dr. Kathleen Lohse, Department of Biological Sciences**, will present her tenure and promotion seminar **Thursday, November 1, 2012**, in Lecture Center 10 at 4 PM.

## PUBLICATIONS

Pierce, B.M., V.C. Bleich, *K.L. Monteith\**, and **R.T. Bowyer**. 2012. Top-down versus bottom-up forcing: evidence from mountain lions and mule deer. *Journal of Mammalogy* 93:977-988.

## DEPARTMENT NEWS

Former ISU Biological Sciences graduate student, Ms. Tejaswita Karve, received her PhD in Biochemistry and Molecular Biology at Georgetown University a few months ago for her highly complex and sophisticated research related to breast cancer. Congratulations!

## JOB OPPORTUNITIES

The **Portland Water Bureau (PWB)** is seeking an **Environmental Specialist with a Wildlife Biologist Specialty** to support an on-going regulatory compliance program and to provide key input to help PWB meet other permitting requirements concerning wildlife. **Closing date - October 15, 2012. For more information** about this position and to apply please check [www.portlandoregon.gov/jobs](http://www.portlandoregon.gov/jobs).

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## OPPORTUNITIES

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**ISU**

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**Idaho State  
UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF SEPTEMBER 16, 2012**

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## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will **NOT** be held **Tuesday, September 18, 2012.**

## SEMINARS

**Dr. Janet Loxterman, Department of Biological Sciences**, will present her tenure and promotion seminar **Thursday, September 27, 2012, in Lecture Center 10 at 4 PM.**

**Dr. Tim Magnuson, Department of Biological Sciences**, will present his promotion seminar **Thursday, October 4, 2012, in Lecture Center 10 at 4 PM.**

**Dr. Chris Cretekos, Department of Biological Sciences**, will present his tenure and promotion seminar **Thursday, October 11, 2012, in Lecture Center 10 at 4 PM.**

**Dr. Michael Thomas, Department of Biological Sciences**, will present his promotion seminar **Thursday, October 18, 2012, in Lecture Center 10 at 4 PM.**

**Jason Hunt, PhD student with Dr. Jack Rose**, will present his defense seminar **Thursday, October 25, 2012, in Lecture Center 10 at 4 PM.**

**Dr. Kathleen Lohse, Department of Biological Sciences**, will present her tenure and promotion seminar **Thursday, November 1, 2012, in Lecture Center 10 at 4 PM.**

## COSE NEWS

**It's Reunion Time for Idaho State University College of Science and Engineering on Saturday, September 29, 2012.** Make plans to join the new annual tradition.

## PAYROLL INFORMATION

**Our pay period ends Saturday, September 29, 2012.** Please be sure to **submit your time by Monday, October 1, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, October 2, 2012,** when time cards are due to Payroll.

## JOB OPPORTUNITIES

The Idaho Department of Fish and Game has a job opening for a **Conservation Educator, Regional in Lewiston, Idaho**, on open competitive announcement until **Friday, September 24, 2012.** The announcement is located at the following link:

[https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00866085700](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00866085700).

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



**ISU**

# Newsletter

**Idaho State  
UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF SEPTEMBER 9, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, September 11, 2012**, in the Lecture Center 15/17 at noon.

## SEMINARS

**Dr. Margaret Palmer**, University of Maryland ecologist and watershed scientist, will deliver the **Sixth Annual Idaho State University G.W. Minshall Lecture Series in Ecology** at **4:00 PM** on **September 13, 2012**. Her lecture, "Restoration of Streams in Ecologically and Socially Dynamic Contexts," will be given in **Idaho State University Lecture Center 10**. Dr. Palmer is director of the National Socio-Environmental Synthesis Center ([www.SESYNC.org](http://www.SESYNC.org)) which is supported by the National Science Foundation and University of Maryland. In addition, as a professor at the University of Maryland in the Department of Entomology and in the University of Maryland Center for Environmental Sciences, she oversees a large research group focused on watershed science and restoration ecology.

**Dr. Janet Loxterman**, Department of Biological Sciences, will present her tenure and promotion seminar **Thursday, September 27, 2012**, in Lecture Center 10 at **4 PM**.

**Dr. Tim Magnuson**, Department of Biological Sciences, will present his promotion seminar **Thursday, October 4, 2012**, in Lecture Center 10 at **4 PM**.

**Dr. Chris Cretekos**, Department of Biological Sciences, will present his tenure and promotion seminar **Thursday, October 11, 2012**, in Lecture Center 10 at **4 PM**.

**Dr. Michael Thomas**, Department of Biological Sciences, will present his promotion seminar **Thursday, October 18, 2012**, in Lecture Center 10 at **4 PM**.

**Jason Hunt**, PhD student with **Dr. Jack Rose**, will present his defense seminar **Thursday, October 25, 2012**, in Lecture Center 10 at **4 PM**.

**Dr. Kathleen Lohse**, Department of Biological Sciences, will present her tenure and promotion seminar **Thursday, November 1, 2012**, in Lecture Center 10 at **4 PM**.

## GRANTS FUNDED

**Dr. Jeff Meldrum** received two grants over the summer: \$61,000 from the Cestone Foundation for a collaborative Forensic and Photogrammetric Reanalysis of the Patterson-Gimlin Film in collaboration with Bill Munns; and \$10,000 from the Efroymsen Fund at the Central Indiana Community Foundation for the the Footprints Virtualization Project in collaboration with the Idaho Virtualization Lab of the IMNH.

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## CoSE NEWS

**It's Reunion Time for Idaho State University College of Science and Engineering on Saturday, September 29, 2012.** Make plans to join the new annual tradition. Bistro breakfast at Colonial Hall (home of CoSE); transportation to and from the Homecoming Parade; reserve parade seating; and free game tickets with t-shirts to the first 50 CoSE alumni to respond. **Please respond to:** Karen Durfee at [durfkare@isu.edu](mailto:durfkare@isu.edu) or (208) 282-3344.

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## PAYROLL INFORMATION

**Our pay period ends Saturday, September 15, 2012.** Please be sure to **submit your time by Monday, September 17, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, September 18, 2012,** when time cards are due to Payroll.



# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF SEPTEMBER 2, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, September 4, 2012**, in the Lecture Center 15/17 at noon.

## SEMINARS

**Dr. Margaret Palmer**, University of Maryland ecologist and watershed scientist, will deliver the **Sixth Annual Idaho State University G.W. Minshall Lecture Series in Ecology** at **4:00 PM**, September 13, 2012. Her lecture, "Restoration of Streams in Ecologically and Socially Dynamic Contexts," will be given in **Idaho State University Lecture Center 10**. Dr. Palmer is director of the National Socio-Environmental Synthesis Center ([www.SESYNC.org](http://www.SESYNC.org)) which is supported by the National Science Foundation and University of Maryland. In addition, as a professor at the University of Maryland in the Department of Entomology and in the University of Maryland Center for Environmental Sciences, she oversees a large research group focused on watershed science and restoration ecology.

**Dr. Janet Loxterman**, Department of Biological Sciences, will present her tenure and promotion seminar **Thursday, September 27, 2012**, in Lecture Center 10 at **4 PM**.

## GRANTS FUNDED

**Dr. Jean Pfau** has received a new R15 (AREA Grant) award from the National Institutes of Health for \$366,000 for her project entitled, "Identification of Functional Targets for Asbestos Induced Autoantibodies."

## DEPARTMENT NEWS

Undergraduate ISU Biology student and INBRE Summer Fellow **Michael Vincen-Brown** recently attended the Annual INBRE Research Conference in Moscow, Idaho, August 6-8, 2012, to present his recent work and won 1<sup>st</sup> Prize in the poster competition (out of 150 other presentations). Michael's project entitled "Investigating the Neural Source of Breathing in an Avian Model" was co-authored by undergraduate ISU Biology student **Katie Still** and **Dr. Jason Pilarski**.

## COSE NEWS

**It's Reunion Time for Idaho State University College of Science and Engineering on Saturday, September 29, 2012.** Make plans to join the new annual tradition. Bistro breakfast at Colonial Hall (home of CoSE); transportation to and from the Homecoming Parade; reserve parade seating; and free game tickets with t-shirts to the first 50 CoSE alumni to respond. **Please respond to:** Karen Durfee at [durfkare@isu.edu](mailto:durfkare@isu.edu) or (208) 282-3344.

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## **PAYROLL INFORMATION**

**Our pay period ends Saturday, September 15, 2012.** Please be sure to **submit your time by Monday, September 17, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, September 18, 2012,** when time cards are due to Payroll.



# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF AUGUST 26, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, August 28, 2012**, in the Lecture Center 15/17 at noon.

## PUBLICATIONS

\***Bellmore, J. R.**, **C.V. Baxter**, P.J. Connolly, and K. Martens. 2012. The floodplain food web mosaic: a study of its importance to Pacific salmon and steelhead with implications for their restoration. *Ecological Applications*. In press.

\***Bechtold, H. A.**, \***A.M. Marcarelli**, **C.V. Baxter**, R.S. Inouye. 2012. Effects of N, P, and organic carbon on stream biofilm nutrient limitation and uptake in a semi-arid watershed. *Limnology and Oceanography*. In press.

Oehlers\*, S.A., **R.T. Bowyer**, F. Huettmann, D.K. Person, and W.B. Kessler. 2012. Visibility of moose in a temperate rainforest. *Alces* 48:89-104.

## GRANTS FUNDED

Brent C. Christner (PI-Louisiana State University), Boris Vinatzer (PI-Virginia Tech), David Sands (PI-Montana State University), **Carolyn F. Weber (PI-Idaho State University)**, Cindy Morris (co-PI, INRA-France), David Schmale III (co-PI-Virginia Tech). "Dimensions of Biodiversity: Collaborative Research: Research on Airborne Ice-Nucleating Species (RAINS)" National Science Foundation: \$575,957 (ISU Portion).

## DEPARTMENT NEWS

**Dr. Colden Baxter**, ISU Biology graduate student **Jennifer Cornell**, and recent Ph.D. graduate **Dr. Ryan Bellmore** traveled to Portland, Oregon, from August 5-10, 2012, for the annual meeting of the **Ecological Society of America**. Dr. Baxter gave an invited presentation entitled, "Emerging lessons: Invasive species effects that cross habitat boundaries," coauthored by **J.R. Benjamin**, **M.M. Mineau**, K.D. Fausch, F. Lepori, **A.M. Marcarelli**, and **G.W. Minshall**. The following oral presentations were also contributed:  
-**Bellmore, J.R.**, **C.V. Baxter** and P.V. Connolly. "Influence of landscape complexity on the strength of predator-prey interactions."  
-**Cornell, J.J.** and **C.V. Baxter**. "Effects of recreational land use on an urban fringe stream ecosystem."  
-Cross, W.F. **C.V. Baxter**, R.O. Hall Jr., E.J. Rosi-Marshall, T.A. Kennedy, **K.C. Donner**, H.A. Wellard Kelly, S. Zahn Seegert, **K. Behn**, and D. Kincaid. "Trophic basis of production and patterns of interaction strength in food webs of a river discontinuum: Toward prediction of ecological responses to river management."

The **Graduate School** is very appreciative of graduate faculty who dedicate their time and energy by serving as Graduate Faculty Representatives (GFRs). Faculty from the Department of Biological Sciences who have served four or more times as GFRs since Fall 2011 include **Dr. Curt Anderson** who has served 5 times, **Dr. Colden Baxter** who has served 4 times, and **Dr. David Delehanty** who has served 4 times.

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## COSE NEWS

**It's Reunion Time for Idaho State University College of Science and Engineering on Saturday, September 29, 2012.** Make plans to join the new annual tradition. Bistro breakfast at Colonial Hall (home of CoSE); transportation to and from the Homecoming Parade; reserve parade seating; and free game tickets with t-shirts to the first 50 CoSE alumni to respond. **Please respond to:** Karen Durfee at [durfkare@isu.edu](mailto:durfkare@isu.edu) or (208) 282-3344.

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## PAYROLL INFORMATION

**Our pay period ends Saturday, September 1, 2012.** Remember that ISU is closed Monday, September 3, 2012. Please be sure to **submit your time as soon as you can** so your approver has time to approve your time card and fix any problems by **Tuesday, September 4, 2012**, when time cards are due to Payroll.



**ISU**

# Newsletter

**Idaho State  
UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF AUGUST 12, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

The Department of Biological Sciences Faculty Retreat will be **Friday, August 24, 2012, 8:00 AM - 5 PM** at Pebble Creek Ski Lodge, with family coming up for a **5:30 PM pot luck dinner**.

## PUBLICATIONS

Steinman, B.A., Abbott, M.B., Mann, M.E., Stansell, N.D. and **Finney, B.P.** 2012. 1500-year quantitative reconstruction of winter precipitation in the Pacific Northwest. *Proceedings of the National Academy of Sciences* 109: 11619-11623.

## DEPARTMENT NEWS

**Dr. Terry Bowyer** traveled to Bialowieza, Poland, from **August 3-12, 2012**, to present a plenary lecture at the **7th International Moose Symposium**. The title of the presentation, "Metrics of Predation: Perils of Predator-prey Ratios." The co-authors on the presentation are **John Kie**, Becky Pierce, Dave Person, and **Kevin Monteith**.

## COSE NEWS

It's Reunion Time for Idaho State University College of Science and Engineering on **Saturday, September 29, 2012**. Make plans to join our new annual tradition. Bistro breakfast at Colonial Hall (home of CoSE); transportation to and from the Homecoming Parade; reserve parade seating; and free game tickets with t-shirts to the first 50 CoSE alumni to respond. **Please respond to:** Karen Durfee at [durfkare@isu.edu](mailto:durfkare@isu.edu) or (208) 282-3344.

## PAYROLL INFORMATION

**Our pay period ends Saturday, August 18, 2012.** Please be sure to **submit your time by Monday, August 20, 2012, at 12 NOON**. This gives your approver time to approve your time card and fix any problems by **Tuesday, August 21, 2012**, when time cards are due to Payroll.



**ISU**

# Newsletter

**Idaho State  
UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF JULY 15, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## SEMINARS

**Merrit Cherry**, MS student with **Dr. Linda DeVeaux**, will present his defense seminar on **Thursday, July 19, 2012, at 1:00 PM in Lecture Center 10.**

**Angela Santin**, MS student with **Dr. Kenneth Rodnick**, will present her defense seminar on **Friday, July 20, 2012, at 1:00 PM in Lecture Center 10.**

**Greg Emfield**, MS student with **Dr. Chris Cretekos**, will present his defense seminar on **Friday, August 3, 2012, at 9:00 AM in Lecture Center 10.**

## PUBLICATIONS

**E.D. Anderson, R.A. Long, M.P. Atwood, J.G. Kie, T.R. Thomas, P. Zager, and R.T. Bowyer.** 2012. Winter resource selection by female mule deer *Odocoileus hemionus*: functional response to spatio-temporal changes in habitat. *Wildlife Biology* 18:153-163.

## DEPARTMENT NEWS

**Jeff Meldrum** made a presentation for the Stevenson Community Library system in North Bonneville, WA, June 13, 2012, on Sasquatch: Legend Meets Science.

**Jeff Meldrum** presented two papers, *Footprint Evidence of the Nguoi Rung - The Vietnamese Forest People* and *Are Other Hominins Alive today? - The Relict Hominoid Inquiry*, at the annual meeting of the AAAS-Pacific Division held in Boise, ID, June 24-27, 2012.

**Jim Groome** and **Vern Winston** attended the AAAS meetings in Boise, ID, June 26, 2012. They made a presentation on "State Transitions in Sodium Channels: Role of the Voltage Sensing Module."

The following presentations were given recently at the 92<sup>nd</sup> Annual Meeting of the American Society of Mammalogists in Reno, Nevada.

**Lendrum, P. E., C. R. Anderson, Jr., K. L. Monteith, J. A. Jenks, and R. T. Bowyer.** When to migrate: effects of natural-gas development on migration in mule deer.

**Guernsey, N. C., K. A. Lohse, R. T. Bowyer, M. J. Kauffman, and J. R. Goheen.** Sexual segregation of Shiras moose in Wyoming: habitat selection and ecosystem dynamics.

**Long, R. A., R. T. Bowyer, J. G. Kie, and W. P. Porter.** Linking climatic variability to state-dependent behavior in herbivores: a bioenergetics approach.

**Ryan A. Long**, who is a Ph.D. candidate working with **Dr. Terry Bowyer** in the Department of Biological Sciences at Idaho State University, recently was awarded the American Society of Mammalogists

Fellowship at their 92<sup>nd</sup> Annual Meeting in Reno, Nevada. The Fellowship is the highest honor the Society bestows upon a graduate student, and includes a gift of numerous scientific books and other publications as well as a \$15,000 prize.

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## **PAYROLL INFORMATION**

**Our pay period ends Saturday, July 21, 2012.** Please be sure to **submit your time by Monday, July 23, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, July 24, 2012,** when time cards are due to Payroll.



**ISU**

# Newsletter

**Idaho State  
UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF JUNE 10 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

There will not be a Department of Biological Sciences Faculty Meeting.

## SEMINARS

**Pete Hallock**, PhD student with **Dr. Michael Thomas**, will present his defense seminar on **Friday, June 29, 2012**, at **9:00 AM** in **Lecture Center 10**.

**Steven Campbell**, MS student with **Dr. Ernest Keeley**, will present his defense seminar on **Friday, June 29, 2012**, at **2:00 PM** in **Lecture Center 10**.

## PUBLICATIONS

\*Bechtold, H. A., **C.V. Baxter**, \*A.M. Marcarelli, R.S. Inouye. In press. Effects of N, P, and organic carbon on stream biofilm nutrient limitation and uptake in a semi-arid watershed. *Limnology and Oceanography*.

## DEPARTMENT NEWS

We are very pleased to announce that **Dr. Mark Austin** has formally accepted the position of **Chair of Biological Sciences**. He plans to begin his position by mid-July.

**Dr. Colden Baxter** and graduate students traveled to the annual meeting of the Society for Freshwater Science in Louisville, Kentucky May 20-24, 2012. The following papers were shared at the meeting via oral presentations:

Baxter, C.V., J.R. Benjamin, M.M. Mineau, K.D. Fausch, F. Lepori, A.M. Marcarelli, and G.W. Minshall. "Emerging lessons: Invasive species effects that cross habitat boundaries." Invited presentation in special session entitled, "Species addition and loss: effects on ecosystem processes."

Harris, H.E., C.V. Baxter, and J.M. Davis. "Network dynamics: Effects of wildfire and debris flows on insect fluxes from tributaries and consequences for fish in confluence habitats." Invited presentation in special session entitled, "The effects of disturbance and stressors on cross-ecosystem linkages."

Collins, S.F. and C.V. Baxter. "Heterogeneity of riparian habitat mediates responses of terrestrial arthropods to subsidies of Pacific Salmon carcasses."

Hall, R. O., T.A. Kennedy, C.B. Yackulic, M.D. Yard, E.J. Rosi-Marshall, W.F. Cross, and C.V. Baxter. "Daily estimates of gross primary production in the Colorado River, Grand Canyon show strong effects of tributary inputs and flow variation."

In addition, ISU Biology graduate students Hannah Harris (M.Sc.) and Scott Collins (Ph.D.) were both recipients of the society's Graduate Student Endowment Awards for Excellence in Freshwater Science.

Recent ISU Biology PhD graduate, **Dr. Heather Bechtold**, has had one of the core papers from her dissertation investigations of the Portneuf Watershed accepted for publication in one of the top-tier journals in the discipline, Limnology and Oceanography.

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## IMPORTANT INFORMATION

**Facilities Services will be testing fire alarms in the Life Sciences Building on Friday, June 22, 2012**, when there are no classes scheduled in the building. They will be testing in the **Lecture Center on Wednesday, June 27, 2012**, in the **afternoon** and will be testing in the **Plant Sciences Building on Thursday, June 28, 2012**, in the **afternoon**.

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## JOB OPPORTUNITIES

**Basic American Foods**, a leader in dehydrated food products, has an immediate opening for a **Quality Assurance Team Leader** in its **Rexburg facility**. This position will manage an analytical lab environment, maintain a safe work environment, assist in the administration of Food Safety, GMP Practices, and Food Quality, assist in the audit processes, provide Operations with technical assistance (Statistical Process Control, HACCP, GMPs, etc.), participate in the Continuous Improvement Process and the implementation of Lean Manufacturing principles, and will be responsible for staff training. **A bachelor's degree in Food Chemistry, Food Science or related Science or Food Engineering curriculum is preferred** or 3 to 5 years of related experience. The successful candidate must have effective oral and written communication skills and must have strong leadership skills. **To apply for this position** or any other openings at BAF go to <http://www.baf.com/careers/>.

**Summer Job Opportunities in Ecology and Conservation Biology. Range tech:** 2 positions. **Location:** Pocatello, Idaho. **Duties include** conducting riparian and upland long-term trend studies, and wetland indicator monitoring. Plant identification skills are important. **Studies include** Nested Frequency Trend studies, Riparian Multiple Indicator Monitoring, Seep and Spring condition rating. Short-term monitoring include forage utilization mapping and range improvement condition rating. **Fisheries tech:** 2 positions. **Location:** Soda Springs, Idaho. **Duties include** conducting fish distribution and aquatic habitat surveys in the Bear and Blackfoot drainages. Monday-Thursday work week. Housing available. **Students can contact:** Corey Lyman, Fisheries Biologist, Caribou-Targhee National Forest, 1405 Hollipark Drive, Idaho Falls, Idaho 83401. **Email:** [clyman@fs.fed.us](mailto:clyman@fs.fed.us). **Office:** (208) 557-5838. **Cell:** (208) 313-4084. **Fax:** (208) 557-5826.

**Granite Seed and Erosion Control** currently has an open position for a seed and erosion control salesperson/consultant. Granite Seed specializes in supplying seed, erosion control products, and environmental consulting to the reclamation/restoration, turf and pasture industry. Our clientele is primarily located in the Western US and includes federal and state agencies, private industry, private and public land managers and others who engage in land management, reclamation, restoration, pasture and turf. Candidates should be knowledgeable in plant ecology and identification, land management principles, revegetation and erosion control techniques, enjoy working with people and natural resource systems, possess good communication skills, and be well-versed in computer operations. Sales experience and/or management skills are a plus. The position is based in our home office along the Wasatch Mountains in Lehi, Utah, on the outskirts of Salt Lake City. Compensation package includes salary and generous benefits, including: paid holidays, paid vacation days, company-paid health insurance for the employee and family, company funded retirement plan, plus the opportunity to work with a fun group of people in an exciting industry. **Interested applicants should contact/email a resume to:** William Agnew, President, Granite Seed and Erosion Control, 1697 West 2100 North, Lehi, UT 84043. **Telephone:** 801.768.4422. **Email:** [bill@graniteseed.com](mailto:bill@graniteseed.com).

**2012 Sawtooth National Forest Summer Fisheries Positions.** **Duration:** Early June to September/October (somewhat flexible). **Number of Positions:** 1-2. **Location:** Stanley ID and/or Fairfield ID. **Pay:** 13-15 dollars per hour + per diem while camping. **If Interested Apply at:** [www.avuedigitalservices.com](http://www.avuedigitalservices.com). **Select Job number:** OCRT-404-4-FISH-DT and/or OCRT-404-5-FISH-DT. **Make sure to select:** Fairfield, Ketchum and/or Stanley as Duty station. **For additional Information** about applying or if you have additional questions regarding the positions please contact: Scott W. Vuono @ 208-727-5034 or [svuono@fs.fed.us](mailto:svuono@fs.fed.us) or Erika Phillips @ 208-622-0094.

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## PAYROLL INFORMATION

**Our pay period ends Saturday, June 23, 2012.** Please be sure to **submit your time by Monday, June 25, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, June 26, 2012,** when time cards are due to Payroll.



**ISU**

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF JUNE 24, 2012**

*Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)*

## SEMINARS

**Matt Shumway**, MS student with **Dr. Peter Sheridan**, will present his defense seminar on **Thursday, June 28, 2012**, at **11:00 AM** in **Lecture Center 10**.

**Pete Hallock**, PhD student with **Dr. Michael Thomas**, will present his defense seminar on **Friday, June 29, 2012**, at **9:00 AM** in **Lecture Center 10**.

**Steven Campbell**, MS student with **Dr. Ernest Keeley**, will present his defense seminar on **Friday, July 6, 2012**, at **10:00 AM** in **Lecture Center 10**.

## PUBLICATIONS

**Shumway, M.V. and P.P. Sheridan**. 2012. Site-directed mutagenesis of a family 42  $\beta$ -galactosidase from an antarctic bacterium. *International Journal of Biochemistry and Molecular Biology*. 3:209-218.

**Sheridan, P.P.** 2012. Genus XXIII. *Rhodoglobus*. in *Bergey's Manual of Systematic Bacteriology*, 2nd Edition, Volume Five The Actinobacteria, Part A. 964-969.

Sponseller, R.A., Hall, S.J., **Huber, D.P.**, Grimm, N.B., Kaye, J.P., Clark, C.M., Collins, S.L. 2012. Variation in monsoon precipitation drives spatial and temporal patterns of *Larrea tridentata* growth in the Sonoran Desert. *Functional Ecology* 26: 750-758

## DEPARTMENT NEWS

**Lindsey Coker**, former ISU student graduating with a BS in Zoology, is one of twenty WWAMI students who are participating in R/UOP this summer. Seventeen Idaho communities provide a rural primary care clinical experience for students between their first and second years of medical school. Lindsey's preceptor is Dr. Clay Campbell, Montpelier, Idaho.

**Luca Marchand**, former ISU student graduating with a BS in Zoology, is one of two Idaho WWAMI students elected April 10, 2012, to the University of Washington's chapter of the National Honor Medical Society Alpha Omega Alpha.

## IMPORTANT INFORMATION

**Facilities Services** will be testing fire alarms in the **Lecture Center** on **Wednesday, June 27, 2012**, in the **afternoon** and will be testing in the **Plant Sciences Building** on **Thursday, June 28, 2012**, in the **afternoon**.

## JOB OPPORTUNITIES

**Basic American Foods**, a leader in dehydrated food products, has an immediate opening for a **Quality Assurance Team Leader** in its **Rexburg facility**. This position will manage an analytical lab environment, maintain a safe work environment, assist in the administration of Food Safety, GMP Practices, and Food Quality, assist in the audit processes, provide Operations with technical assistance (Statistical Process Control, HACCP, GMPs, etc.), participate in the Continuous Improvement Process and the implementation of Lean Manufacturing principles, and will be responsible for staff training. A **bachelor's degree in Food Chemistry, Food Science or related Science or Food Engineering curriculum is preferred** or 3 to 5 years of related experience. The successful candidate must have effective oral and written communication skills and must have strong leadership skills. **To apply for this position** or any other openings at BAF go to <http://www.baf.com/careers/>.

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**Granite Seed and Erosion Control** currently has an open position for a seed and erosion control salesperson/consultant. Granite Seed specializes in supplying seed, erosion control products, and environmental consulting to the reclamation/restoration, turf and pasture industry. Our clientele is primarily located in the Western US and includes federal and state agencies, private industry, private and public land managers and others who engage in land management, reclamation, restoration, pasture and turf. Candidates should be knowledgeable in plant ecology and identification, land management principles, re-vegetation and erosion control techniques, enjoy working with people and natural resource systems, possess good communication skills, and be well-versed in computer operations. Sales experience and/or management skills are a plus. The position is based in our home office along the Wasatch Mountains in Lehi, Utah, on the outskirts of Salt Lake City. Compensation package includes salary and generous benefits, including: paid holidays, paid vacation days, company-paid health insurance for the employee and family, company funded retirement plan, plus the opportunity to work with a fun group of people in an exciting industry. **Interested applicants should contact/email a resume to:** William Agnew, President, Granite Seed and Erosion Control, 1697 West 2100 North, Lehi, UT 84043. **Telephone:** 801.768.4422. **Email:** [bill@graniteseed.com](mailto:bill@graniteseed.com).

## PAYROLL INFORMATION

**Our pay period ends Saturday, July 7, 2012.** Please be sure to **submit your time by Monday, July 9, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, July 10, 2012,** when time cards are due to Payroll.



# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF MAY 27 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

There will **not** be a Department of Biological Sciences Faculty Meeting.

## SEMINARS

**Jason Blakney**, MS student with **Drs. Janet Loxterman** and **Ernest Keeley**, will present his defense seminar, "Historical Connectivity and Contemporary Isolation: Population Genetic Structure of a Rare High-Desert Minnow, The Northern Leatherside Chub (*Lepidomeda copei*)," on **Friday, June 1, 2012**, at **1:00 PM** in **Lecture Center 10**.

**Jessie Thiel**, MS student with **Dr. Terry Bowyer**, will present her defense seminar, "Forage selection by maternal mule deer, body condition of females, and birth characteristics of neonates in contrasting landscapes," on **Wednesday, June 6, 2012**, at **2:00 PM** in **Lecture Center 10**.

**Pete Hallock**, PhD student with **Dr. Michael Thomas**, will present his defense seminar on **Friday, June 29, 2012**, at **9:00 AM** in **Lecture Center 10**.

## DEPARTMENT NEWS

**Noelle C. Guernsey**, M.S. student with **Dr. Kitty Lohse**, recently received a Research Grant for \$2,500 from the Geological Society of America for her proposal entitled, "Sexual segregation of Shiras moose in Wyoming: habitat selection and ecosystem dynamics in an area slated for natural-gas development." Her proposal also was recognized as 1 of 20 proposals, of the 636 submitted, that had exceptional merit in conception and presentation. Ms. Guernsey's name will be announced at the GSA Annual Meeting in Charlotte, North Carolina, in November 2012, and she will be presented with a certificate recognizing her accomplishment.

## IMPORTANT INFORMATION

**Facilities Services** will be testing fire alarms in the **Life Sciences Building** on **Friday, June 22, 2012**, when there are no classes scheduled in the building. They will be testing in the **Lecture Center** on **Wednesday, June 27, 2012**, in the **afternoon** and will be testing in the **Plant Sciences Building** on **Thursday, June 28, 2012**, in the **afternoon**.

## JOB OPPORTUNITIES

**Basic American Foods**, a leader in dehydrated food products, has an immediate opening for a **Quality Assurance Team Leader** in its **Rexburg facility**. This position will manage an analytical lab environment, maintain a safe work environment, assist in the administration of Food Safety, GMP Practices, and Food Quality, assist in the audit processes, provide Operations with technical assistance (Statistical Process Control, HACCP, GMPs, etc.), participate in the Continuous Improvement Process and the implementation

of Lean Manufacturing principles, and will be responsible for staff training. A **bachelor's degree in Food Chemistry, Food Science or related Science or Food Engineering curriculum is preferred** or 3 to 5 years of related experience. The successful candidate must have effective oral and written communication skills and must have strong leadership skills. **To apply for this position** or any other openings at BAF go to <http://www.baf.com/careers/>.

**Tetra Tech EC, Inc.** is seeking to contract **part-time field biologists**. **Primary responsibilities** will be to conduct post-construction mortality monitoring studies at an operational wind farm near American Falls, Idaho. Surveys are currently being conducted and will continue through mid-November 2012. Duties include performing carcass surveys, conducting persistence trials, keeping detailed data sheets, and maintaining communications with project staff. Carcass surveys are conducted bi-weekly and take 40-60 hours to complete, with potential for additional hours during persistence trials. **Qualifications:** BS and related experience in applicable field (i.e. biology, environmental science/policy, natural resource planning, ecology or geography, or closely-related discipline), ability to walk 8-10 hours a day, and a valid driver's license. We are particularly interested in applicants who have experience working on post-construction mortality monitoring studies, are able to identify Idaho native bird and bat species, are capable of using GPS units to navigate, and are capable of conducting field work in harsh weather conditions. Surveyors must be able to follow established study protocols and carefully record field data. This position requires a high level of interpersonal communication, organizational and time management skills. **Applicants must reside in Idaho** and preference will be given to applicants who live within an hour drive of American Falls. Position will be filled as soon as suitable applicant applies. **Interested candidates should** submit a cover letter and resume (including three references with contact info.) to Christina Herrmann at [Christina.herrmann@tetrattech.com](mailto:Christina.herrmann@tetrattech.com). Please write "Field Biologist American Falls" in the subject line of your email. **Salary:** 15-25/hour (commensurate with experience). **Application Deadline: May 28<sup>th</sup>, 2012.**

**The Idaho Department of Fish and Game** has an opening for **Natural Resource Program Coordinator - Deer & Elk Program Coordinator** in **Boise, Idaho**, on open competitive announcement until **Tuesday, May 29, 2012**. The announcement is located at the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00850093909](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00850093909). Applications will only be accepted through this website.

**USDA Forest Service Intermountain Region, R4, Humboldt-Toiyabe National Forest, Ruby Mountains - Jarbidge Ranger Districts - Rangeland Management Specialist, GS-0342-07/09, Duty Station: Wells, Nevada.** The Humboldt-Toiyabe (H-T) National Forest, Ruby Mountains & Jarbidge Districts will soon be advertising to fill a GS-0454-07/09 Rangeland Management Specialist with a duty location of Wells, Nevada. For additional Forest and District information, please check out the H-T website: <http://www.fs.usda.gov/htnf/>. **How to Apply:** Create an account and profile in Avue at: [www.avuedigitalservices.com](http://www.avuedigitalservices.com). **Outreach Response:** If you have an interest in the position or would like additional information, please contact Laria Lovec, Supervisory Rangeland Management Specialist, at (775) 752-1706 or via email at: [ljlovec@fs.fed.us](mailto:ljlovec@fs.fed.us) Please send the completed attached interest form (below) or short bio via email to Laria Lovec, at: [ljlovec@fs.fed.us](mailto:ljlovec@fs.fed.us) by **May 30, 2012**.

**USDA Forest Service Intermountain Region, R4, Humboldt-Toiyabe National Forest - Mountain City and Santa Rosa Ranger Districts - Rangeland Management Specialist, GS-0342-07/09, Duty Station: Elko, Nevada.** The Humboldt-Toiyabe (H-T) National Forest, Mountain City and Santa Rosa Ranger Districts will soon be advertising to fill a GS-0454-07/09 Rangeland Management Specialist with a duty location of Elko, Nevada. **How to Apply:** Create an account and profile in Avue at: [www.avuedigitalservices.com](http://www.avuedigitalservices.com). **Outreach Response:** If you have an interest in the position or would like additional information, please contact Laria Lovec, Supervisory Rangeland Management Specialist, at (775) 752-1706 or via email at: [ljlovec@fs.fed.us](mailto:ljlovec@fs.fed.us) Please send short bio via email to Laria Lovec, at: [ljlovec@fs.fed.us](mailto:ljlovec@fs.fed.us) by **May 30, 2012**.

**Summer Job Opportunities in Ecology and Conservation Biology. Range tech:** 2 positions. **Location:** Pocatello, Idaho. **Duties include** conducting riparian and upland long-term trend studies, and wetland indicator monitoring. Plant identification skills are important. **Studies include** Nested Frequency Trend studies, Riparian Multiple Indicator Monitoring, Seep and Spring condition rating. Short-term monitoring include forage utilization mapping and range improvement condition rating. **Fisheries tech:** 2 positions. **Location:** Soda Springs, Idaho. **Duties include** conducting fish distribution and aquatic habitat surveys in the Bear and Blackfoot drainages. Monday-Thursday work week. Housing available. **Students can contact:** Corey Lyman, Fisheries Biologist, Caribou-Targhee National Forest, 1405 Hollipark Drive, Idaho Falls, Idaho 83401. **Email:** [clyman@fs.fed.us](mailto:clyman@fs.fed.us). **Office:** (208) 557-5838. **Cell:** (208) 313-4084. **Fax:** (208) 557-5826.

**Granite Seed and Erosion Control** currently has an open position for a seed and erosion control salesperson/consultant. Granite Seed specializes in supplying seed, erosion control products, and environmental consulting to the reclamation/restoration, turf and pasture industry. Our clientele is primarily located in the Western US and includes federal and state agencies, private industry, private and public land managers and others who engage in land management, reclamation, restoration, pasture and turf. Candidates should be knowledgeable in plant ecology and identification, land management principles, revegetation and erosion control techniques, enjoy working with people and natural resource systems, possess good communication skills, and be well-versed in computer operations. Sales experience and/or management skills are a plus. The position is based in our home office along the Wasatch Mountains in Lehi, Utah, on the outskirts of Salt Lake City. Compensation package includes salary and generous benefits, including: paid holidays, paid vacation days, company-paid health insurance for the employee and family, company funded retirement plan, plus the opportunity to work with a fun group of people in an exciting industry. **Interested applicants should contact/email a resume to:** William Agnew, President, Granite Seed and Erosion Control, 1697 West 2100 North, Lehi, UT 84043. **Telephone:** 801.768.4422. **Email:** [bill@graniteseed.com](mailto:bill@graniteseed.com).

**2012 Sawtooth National Forest Summer Fisheries Positions. Duration:** Early June to September/October (somewhat flexible). **Number of Positions:** 1-2. **Location:** Stanley ID and/or Fairfield ID. **Pay:** 13-15 dollars per hour + per diem while camping. **If Interested Apply at:** [www.avuedigitalservices.com](http://www.avuedigitalservices.com). **Select Job number:** OCRT-404-4-FISH-DT and/or OCRT-404-5-FISH-DT. **Make sure to select:** Fairfield, Ketchum and/or Stanley as Duty station. **For additional information** about applying or if you have additional questions regarding the positions please contact: Scott W. Vuono @ 208-727-5034 or [svuono@fs.fed.us](mailto:svuono@fs.fed.us) or Erika Phillips @ 208-622-0094.

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## PAYROLL INFORMATION

**Our pay period ends Saturday, May 26, 2012.** Please be sure to **submit your time by Monday, May 28, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, May 29, 2012,** when time cards are due to Payroll.



**ISU**

# Newsletter

**Idaho State  
UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF MAY 13 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

There will not be a Department of Biological Sciences Faculty Meeting.

## SEMINARS

**Zachary Lockyer**, MS student with **Dr. David Delehanty**, will present his defense seminar on **Tuesday, May 15, 2012**, at **12:00 PM** in **Lecture Center 10**.

**Patrick Lendrum**, MS student with **Dr. Terry Bowyer**, will present his defense seminar on **Tuesday, May 22, 2012**, at **12:00 PM** in **Lecture Center 10**.

**Pat Gygli**, PhD student with **Dr. Linda DeVeaux** will present his defense seminar, "The Role of Replication Protein A in the Radiation-Resistance of *Halobacterium salinarum* ssp. NRC-1," on **Thursday, May 24, 2012**, at **11:00 AM** in **Lecture Center 10**.

**Pete Hallock**, PhD student with **Dr. Michael Thomas**, will present his defense seminar on **Friday, June 29, 2012**, at **9:00 AM** in **Lecture Center 10**.

## PUBLICATIONS

Overocker, J. and **J.C. Pfau**. 2012. Cytokine Production Modified by System X<sub>c</sub>- After PM10 and Asbestos Exposure. *Journal of Young Investigators*. In Press.

**Pfau, J.C.**, T. Seib, J. Overocker, J. Roe, A. Ferro. 2012. Functional expression of System xc- is upregulated by asbestos but not crystalline silica in murine macrophages. *Inhalation Toxicology*. In press.

Lepori, F., \*J.R. Benjamin, K.D. Fausch, and **C.V. Baxter**. In press. Are invasive and native trout functionally-equivalent predators? Results and lessons from a field experiment. *Aquatic Conservation: Marine and Freshwater Ecosystems*.

\*Mineau, M.M., **C.V. Baxter**, \*A.M. Marcarelli, G.W. Minshall. 2012. An invasive riparian tree reduces stream ecosystem efficiency via a recalcitrant organic matter subsidy. *Ecology*.

Chen C.H, Beard R.S, **Bearden S.E.** 2012. Homocysteine impairs endothelial wound healing by activating metabotropic glutamate receptor 5. *Microcirculation*. May 19(4):285-95.

Ihl, C., L.K. Duffy, K. Dunlap, and **R.T. Bowyer**. 2012. Mercury in the hair of muskox on the Seward Peninsula. *American Journal of Environmental Sciences* 8:176-178.

**Loxterman, Janet L.** and **Ernest R. Keeley**. 2012. Watershed boundaries and geographic isolation: patterns of diversification in cutthroat trout from western North America. *BMC Evolutionary Biology*. 12: 38 (19 March 2012).

## DEPARTMENT NEWS

Congratulations to **Masaru Takahashi**, PhD student with **Dr. Nancy Huntly**, who was chosen as the **Outstanding Graduate Teaching Assistant for 2012**; to **Scott Collins**, PhD student with **Dr. Colden Baxter**, who was chosen as the **Outstanding Graduate Researcher for 2012**; and to **Jamie Mayo**, BS/MS student working with **Dr. Shawn Bearden**, who was chosen as the **Outstanding Graduating Senior for 2012**.

Congratulations to **Dr. Jean Pfau** who was chosen by the **BGS** as the **Outstanding Graduate Student Mentor for 2012** and to **Dr. James Groome** who received **Honorable Mention**.

**Dr. Barbara Frank**, Biological Sciences lecturer on the Idaho Falls campus, was profiled in this month's issue of Idaho Falls Magazine. The article describes her 13 years of teaching excellence on the Idaho Falls campus, along with her dedication to advising and other service activities geared towards inspiring students.

**Barbara Frank** and **Catherine Black** represented the Biological Sciences Department at the annual Idaho Falls Water Awareness Week Festival on Thursday, May 10, at the Idaho Falls Tautphaus Park Zoo, helping educate over 1,200 fifth and sixth grade students about the importance of water. Undergraduate students Tyana Hulett, Jessica Donnelly, Tina Jackson, Sergio Hernandez, Michael Aughney, Matthew Sharp, and Tyson Lane also participated in the event.

**Members of the Portneuf unit of the American Fisheries Society** traveled to Coeur d'Alene, Idaho, March 7-9, 2012, to participate in the annual meeting of the **Idaho Chapter of the American Fisheries Society**. The Portneuf unit plays an active role in assisting with the annual meeting each year. **Scott Collins** was awarded the Susan B. Martin memorial scholarship. The ISU group presented the following papers at the meeting:

**Baxter, C.V.** 2012. Emerging lessons: Unforeseen consequences of invasive species for stream-riparian food webs and ecosystem processes.

**Blakney, J., J.L. Loxterman, E.R. Keeley.** 2012. Distribution and genetic structure of a needle in the fragmented haystack: The tale of a rare high desert minnow, the Northern Leatherside chub.

**Collins, S.F., C.V. Baxter, A.M. Marcarelli.** 2012. A critical assessment of the ecological assumptions underpinning compensatory mitigation of salmon derived nutrients.

**Green, M.T., E.R. Keeley.** 2012. Estimating rates of pelican predation on Yellowstone Cutthroat trout in the upper Blackfoot River system.

**Harris, H.E., C.V. Baxter, J.M. Davis.** 2012. Effects of wildfire and debris flows on downstream insect fluxes and consequences for drift feeding fish in recipient confluence habitats.

Heyrend, N., K.C. Donner, **C.V. Baxter.** 2012. Assimilation efficiency of Utah sucker and Speckled Dace feeding on chironomidae larvae at different temperatures.

**Mattsaw, Jr., S.L., J.L. Loxterman, E.R. Keeley.** 2012. Influence of barriers to movement on the population genetic structure of Westslope Cutthroat Trout.

Schenk, M.V., **C.V. Baxter.** 2012. Environmental factors affecting aquatic invertebrate production in wilderness streams of central Idaho.

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Wednesday, June 27, 2012, in the **afternoon** and will be testing in the **Plant Sciences Building** on Thursday, June 28, 2012, in the **afternoon**.

## OPPORTUNITIES

**The Sacajawea Interpretive, Cultural and Educational Center in Salmon, Idaho** (through a grant from the US Fish and Wildlife Service) is offering one 15-week, college level internship related to aquatic resource education. In addition to \$3,000 in total wages, this position offers per diem reimbursement, free housing, the use of a vehicle for the duration of employment, and opportunities to “shadow” natural resources professionals from Idaho Fish and Game, US Forest Service, Bureau of Land Management and others during the summer field season. This internship begins mid-May and runs through mid-August. Exact start and end dates are flexible. Average hours of work per week will be 20, leaving ample time to enjoy hiking, fishing, rafting and camping in beautiful Salmon River country. **Applicants for this internship must be 18-25 years old**, be currently enrolled in a college or university, and have completed at least one semester. Preference will be given to individuals majoring in fisheries, wildlife or other natural resources related area. Interested individuals may contact the Center to have application form emailed to them personally. If you have any questions or would like additional information, please contact the Sacajawea Center at [sacajaweacenterinternship@gmail.com](mailto:sacajaweacenterinternship@gmail.com) or call (208) 756-1188.

**GSK, a major pharmaceutical and health products company in Philadelphia PA and Raleigh NC, has recently posted some summer internships that may be of interest to Chemistry and Biology students.** They vary in qualifications - looking for undergraduates and/or graduate students. If interested, apply on the GSK website: [www.gsk.com](http://www.gsk.com) and go to the career page.

## JOB OPPORTUNITIES

**USDA Forest Service Intermountain Region, R4, Humboldt-Toiyabe National Forest, Ruby Mountains - Jarbidge Ranger Districts - Rangeland Management Specialist, GS-0342-07/09, Duty Station: Wells, Nevada.** The Humboldt-Toiyabe (H-T) National Forest, Ruby Mountains & Jarbidge Districts will soon be advertising to fill a GS-0454-07/09 Rangeland Management Specialist with a duty location of Wells, Nevada. For additional Forest and District information, please check out the H-T website: <http://www.fs.usda.gov/htnf/>. **How to Apply:** Create an account and profile in Avue at: [www.avuedigitalservices.com](http://www.avuedigitalservices.com). **Outreach Response:** If you have an interest in the position or would like additional information, please contact Laria Lovec, Supervisory Rangeland Management Specialist, at (775) 752-1706 or via email at: [ljlovec@fs.fed.us](mailto:ljlovec@fs.fed.us) Please send the completed attached interest form (below) or short bio via email to Laria Lovec, at: [ljlovec@fs.fed.us](mailto:ljlovec@fs.fed.us) by **May 30, 2012**.

**USDA Forest Service Intermountain Region, R4, Humboldt-Toiyabe National Forest - Mountain City and Santa Rosa Ranger Districts - Rangeland Management Specialist, GS-0342-07/09, Duty Station: Elko, Nevada.** The Humboldt-Toiyabe (H-T) National Forest, Mountain City and Santa Rosa Ranger Districts will soon be advertising to fill a GS-0454-07/09 Rangeland Management Specialist with a duty location of Elko, Nevada. **How to Apply:** Create an account and profile in Avue at: [www.avuedigitalservices.com](http://www.avuedigitalservices.com). **Outreach Response:** If you have an interest in the position or would like additional information, please contact Laria Lovec, Supervisory Rangeland Management Specialist, at (775) 752-1706 or via email at: [ljlovec@fs.fed.us](mailto:ljlovec@fs.fed.us) Please send short bio via email to Laria Lovec, at: [ljlovec@fs.fed.us](mailto:ljlovec@fs.fed.us) by **May 30, 2012**.

**USGS Forest and Rangeland Ecosystem Science Center - Student Contractor - Biological Science Technician.** Part of a Joint Fire Sciences Program-funded project that seeks to assess regional fuel loads and species composition in sagebrush ecosystems across successional and invasion gradient, as well as the efficacy of restoration treatments in reducing fuel loads. The biological science technicians will collect data to quantify fuel loads throughout a wide range of sagebrush conditions, including undisturbed stands,

burned and invaded by non-native plant species (but untreated), and burned and treated (for post-fire rehabilitation). The project will also examine ongoing experimental restoration treatments that utilize mowing, grazing, seeding and herbicide applications. Field work will take place in the Snake River Birds of Prey National Conservation Area in southern Idaho. Student contractor will be required to identify Great Basin plants to species, collect vegetation and fuel load sampling data, collect GPS and photo points, drive on poor and sometimes muddy roads, collect plant and/or soil samples, accurately record ecological data, and data entry. In addition, student contractor will be responsible for calibration and maintenance of technical field equipment. **Required expertise/skills:** Two or more years of college education with related coursework PLUS one year of specialized work experience is required. The recipient must be a licensed driver as operation of a Government vehicle may be required. Applicants must also be U.S. citizens. **Desired expertise/skills:** Preferred candidate will have familiarity with field collection of ecological data and a basic understanding of Ecology concepts; the ability to perform data-entry (accurately) using Access or Excel; experience using a microscope, and familiarity with geographic information systems (GIS), and global positioning systems (GPS). The ideal candidate will also have experience in identifying Great Basin grasses, forbs, and shrubs to species level. **Description of Working Conditions:** The 2012 field season starts roughly May 15 and continues through mid-August (exact duration of student contract depends student experience, project needs, and funding availability). Field trips often require extensive driving. Technicians will work in 2-person teams in conjunction with two field crew coordinators. Field work will involve exposure to extreme temperature and weather conditions. Crews will work independently, often in remote locations. Daily field trips generally permit a nightly return to Boise, but may include some extensive stays (up to 8 days) with periods of backcountry camping. **Compensation:** Compensation is \$14.42 per hour. The student is responsible for all transportation costs to and from the principal duty station. USGS will provide transportation from the duty station to any field study sites and return. Meals/cost of food while at field investigation sites will be provided by the USGS in the same manner as for federal employees in accordance with the US Government travel regulations. **Principal Duty Station:** USGS, Forest and Rangeland Ecosystem Science Center, Snake River Field Station, 970 Lusk Street, Boise, ID 83706. **Contact Information:** Interested Applicants must submit a cover letter, resume (include dates of employment and how many hours worked per week) and a copy of college transcripts by email to: Dr. Douglas Shinneman, [dshinneman@usgs.gov](mailto:dshinneman@usgs.gov). **Phone:** 208-426-5206.

**USGS Forest and Rangeland Ecosystem Science Center - Student Contractor - Biological Science Technician.** Part of a Joint Fire Sciences Program-funded project that seeks to assess regional fuel loads and species composition in sagebrush ecosystems across successional and invasion gradient, as well as the efficacy of restoration treatments in reducing fuel loads. The biological science technicians will collect data to quantify fuel loads throughout a wide range of sagebrush conditions, including undisturbed stands, burned and invaded by non-native plant species (but untreated), and burned and treated (for post-fire rehabilitation). The project will also examine ongoing experimental restoration treatments that utilize mowing, grazing, seeding and herbicide applications. Field work will take place in the Snake River Birds of Prey National Conservation Area in southern Idaho. **Required expertise/skills:** At least 1 year education above high school with courses related to the occupation Plus 6 months specialized experience. The recipient must be a licensed driver as operation of a Government vehicle may be required. Applicants must also be U.S. citizens. **Desired expertise/skills:** Preferred candidate will have familiarity with field collection of ecological data and a basic understanding of Ecology concepts; the ability to perform data-entry (accurately) using Access or Excel; experience using a microscope, and familiarity with geographic information systems (GIS), and global positioning systems (GPS). The ideal candidate will also have experience in identifying Great Basin grasses, forbs, and shrubs to species level. **Compensation:** Compensation is \$12.85 per hour. The student is responsible for all transportation costs to and from the principal duty station. USGS will provide transportation from the duty station to any field study sites and return. Meals/cost of food while at field investigation sites will be provided by the USGS in the same manner as for federal employees in accordance with the US Government travel regulations. **Principal Duty Station:** USGS, Forest and Rangeland Ecosystem Science Center, Snake River Field Station, 970 Lusk Street, Boise, ID 83706. **Contact Information:** Interested Applicants must submit a cover letter, resume

(include dates of employment and how many hours worked per week) and a copy of college transcripts by **email to:** Dr. Douglas Shinneman, [dshinneman@usgs.gov](mailto:dshinneman@usgs.gov). **Phone:** 208-426-5206.

**The Bitterroot National Forests** is looking for an individual interested in temporary, seasonal employment, serving as **Biological Science Technicians (Plants)**. There is one position that will be filled at the supervisor's office in Hamilton, MT. The position will be filled at the GS-4 or GS-5 level (approximately \$11.75 - \$13.14 per hour), depending upon experience and/or education. **HOW TO APPLY:** Applicants need to submit an application through AVUE digital services ([www.avuedigitalservices.com](http://www.avuedigitalservices.com)). For BIOLOGICAL SCIENCE TECHNICIAN (PLANTS) positions, applicants need to apply to the service wide job announcement, open continuous recruitment for: OCRT-404-4-PLANT-DT (<http://www.usajobs.gov/GetJob/ViewDetails/2117299>) or OCRT-404-5-PLANT-DT (<http://www.usajobs.gov/GetJob/ViewDetails/2117311>.) Applications must be posted with AVUE digital services **no later than May 14, 2012**, to be considered. Be sure to select the duty location of Hamilton, Mt when you submit your application in AVUE. **If you are a student** continuing your undergraduate or graduate studies in the fall of 2012 and have a GPA of 2.0 or higher you may apply through AVUE as described above and/or through the Student Temporary Employment Program (STEP). **To apply through the STEP program:** Applicants need to submit their resume, a copy of their college transcripts, and enrollment verification form via email to [robintaylor@davenport@fs.fed.us](mailto:robintaylor@davenport@fs.fed.us) or mail to: USDA-FS, Bitterroot National Forest, Attn: Robin Taylor-Davenport, 1801 N. First, Hamilton, MT 59840. Applications must be received no later than May 14, 2012 to be considered. Completed enrollment verification form must be on official school letterhead and must be signed and dated by an official representative of the office of the registrar.

**The Nature Conservancy is hiring. Position Title:** Flat Ranch Preserve Manager. **Job Title:** Conservation Practitioner III. **Job Number:** 450003. **Location:** Flat Ranch Preserve, Island Park, Idaho. **Duration:** Four year position from date of hire. **To apply go to:** <http://www.nature.org/>.

**J.R. Simplot Company currently has a Field Operations Internship opportunity** available in the field department at their potato processing plant in Aberdeen, Idaho. **Summary:** Field Operations Interns work for and support the Food Group Field Operations Raw Procurement Manager, Field Representative, and Raw Planner/Scheduler in the area of supporting the procurement of potatoes and associated activities. This intern will work full time during the summer and up to 20 hours per week during the school year. **How to Apply:** Visit [www.simplot.com/careers](http://www.simplot.com/careers). Click on Search Jobs & Apply. Click on All open positions. Apply to Job ID # 635: Intern, Field Operations (Food Group – Aberdeen, ID). **Please prepare** a cover letter outlining your interest and qualifications and submit with your resume via our online application process described above. **For best results**, please upload your resume as a Microsoft Word or Adobe PDF document. This process includes additional job relevant questions, so plan on at least 20 minutes when you apply.

**Summer Job Opportunities in Ecology and Conservation Biology. Range tech:** 2 positions. **Location:** Pocatello, Idaho. **Duties include** conducting riparian and upland long-term trend studies, and wetland indicator monitoring. Plant identification skills are important. **Studies include** Nested Frequency Trend studies, Riparian Multiple Indicator Monitoring, Seep and Spring condition rating. Short-term monitoring include forage utilization mapping and range improvement condition rating. **Fisheries tech:** 2 positions. **Location:** Soda Springs, Idaho. **Duties include** conducting fish distribution and aquatic habitat surveys in the Bear and Blackfoot drainages. Monday-Thursday work week. Housing available. **Students can contact:** Corey Lyman, Fisheries Biologist, Caribou-Targhee National Forest, 1405 Hollipark Drive, Idaho Falls, Idaho 83401. **Email:** [clyman@fs.fed.us](mailto:clyman@fs.fed.us). **Office:** (208) 557-5838. **Cell:** (208) 313-4084. **Fax:** (208) 557-5826.

**Intermountain Aquatics** is looking for hard working people to assist with a **habitat restoration project in Grand Teton National Park** this summer 2012. Depending on weather and conditions on site this position

will most likely **begin on June 4, 2012, and end around July 15, 2012**. The work involves long hours planting, moving, and caring for a variety of wetland native plant species on site. Landscaping and physical labor experience is preferred but not necessarily required. This has been an ongoing IMA project for several years and workers will be required to camp on site. Transportation to the site is typically not provided, however, employees have carpooled from Driggs in the past. Free passes into the park are provided. This is an excellent opportunity for those interested or seeking careers in landscaping, habitat restoration, or biology. If you enjoy camping and would like a seasonal job working in Teton National Park, please contact me through my email: [ian@intermountainaquatics.com](mailto:ian@intermountainaquatics.com). You can also check out more about our company and the type of work we do at [www.intermountainaquatics.com](http://www.intermountainaquatics.com).

**Granite Seed and Erosion Control** currently has an open position for a seed and erosion control salesperson/consultant. Granite Seed specializes in supplying seed, erosion control products, and environmental consulting to the reclamation/restoration, turf and pasture industry. Our clientele is primarily located in the Western US and includes federal and state agencies, private industry, private and public land managers and others who engage in land management, reclamation, restoration, pasture and turf. Candidates should be knowledgeable in plant ecology and identification, land management principles, revegetation and erosion control techniques, enjoy working with people and natural resource systems, possess good communication skills, and be well-versed in computer operations. Sales experience and/or management skills are a plus. The position is based in our home office along the Wasatch Mountains in Lehi, Utah, on the outskirts of Salt Lake City. Compensation package includes salary and generous benefits, including: paid holidays, paid vacation days, company-paid health insurance for the employee and family, company funded retirement plan, plus the opportunity to work with a fun group of people in an exciting industry. **Interested applicants should contact/email a resume to:** William Agnew, President, Granite Seed and Erosion Control, 1697 West 2100 North, Lehi, UT 84043. **Telephone:** 801.768.4422. **Email:** [bill@graniteseed.com](mailto:bill@graniteseed.com).

**2012 Sawtooth National Forest Summer Fisheries Positions. Duration:** Early June to September/October (somewhat flexible). **Number of Positions:** 1-2. **Location:** Stanley ID and/or Fairfield ID. **Pay:** 13-15 dollars per hour + per diem while camping. **If Interested Apply at:** [www.avuedigitalservices.com](http://www.avuedigitalservices.com). **Select Job number:** OCRT-404-4-FISH-DT and/or OCRT-404-5-FISH-DT. **Make sure to select:** Fairfield, Ketchum and/or Stanley as Duty station. **For additional Information** about applying or if you have additional questions regarding the positions please contact: Scott W. Vuono @ 208-727-5034 or [svuono@fs.fed.us](mailto:svuono@fs.fed.us) or Erika Phillips @ 208-622-0094.

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## PAYROLL INFORMATION

**Our pay period ends Saturday, May 12, 2012.** Please be sure to **submit your time by Monday, May 14, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, May 15, 2012,** when time cards are due to Payroll.



# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF APRIL 29, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

There will not be a Department of Biological Sciences Faculty Meeting Tuesday, May 2, 2012.

## SEMINARS

**James S. Lockhart**, MS student with **Dr. Linda DeVeaux**, will present his defense seminar, "The Impact of Single-Stranded DNA-Binding Protein Gene Expression on Microbial Radiation Tolerance," on **Wednesday, May 2, 2012, at 2:00 PM in Lecture Center 10.**

**Zachary Lockyer**, MS student with **Dr. David Delehanty**, will present his defense seminar on **Thursday, May 17, 2012, at 12:00 PM in Lecture Center 10.**

## PROPOSALS SUBMITTED

**Dr. Peter Sheridan** submitted a proposal entitled, "Isolation of Novel Bacteriophage Capable of Lysing *Escherichia coli* O157:H7," to the **Idaho Beef Council**.

## GRANTS AWARDED

**Dr. Janet Loxterman** was awarded a **\$17,000 University Research Committee Grant** as a Co-PI with Dr. Erin Rasmussen from Psychology for their proposal, "D2 Dopamine Receptors and Demand for Food in Obese Zucker Rats and Humans: A Translational Study."

## DEPARTMENT NEWS

**Andrew Carroll**, a MS student with **Dr. Curt Anderson**, was awarded a \$2000 grant from the INBRE+URC initiative for his research in developmental neurobiology.

## UPCOMING EVENTS

The **Department of Biological Sciences 32st Annual Reception** honoring the graduating classes of Summer 2011, Fall 2011, and Spring 2012 will be **Friday, May 4, 2012, at 2:00 PM** in the foyer of the Gale Life Science Building. **Pictures will be at 2:30 PM.**

## OPPORTUNITIES

The **Sacajawea Interpretive, Cultural and Educational Center in Salmon, Idaho** (through a grant from the US Fish and Wildlife Service) is offering one 15-week, college level internship related to aquatic resource education. In addition to \$3,000 in total wages, this position offers per diem reimbursement, free housing, the use of a vehicle for the duration of employment, and opportunities to "shadow" natural resources professionals from Idaho Fish and Game, US Forest Service, Bureau of Land Management and

others during the summer field season. This internship begins mid-May and runs through mid-August. Exact start and end dates are flexible. Average hours of work per week will be 20, leaving ample time to enjoy hiking, fishing, rafting and camping in beautiful Salmon River country. **Applicants for this internship must be 18-25 years old**, be currently enrolled in a college or university, and have completed at least one semester. Preference will be given to individuals majoring in fisheries, wildlife or other natural resources related area. Interested individuals may contact the Center to have application form emailed to them personally. If you have any questions or would like additional information, please contact the Sacajawea Center at [sacajaweacenterinternship@gmail.com](mailto:sacajaweacenterinternship@gmail.com) or call (208) 756-1188.

**Montana Fish Wildlife & Parks** are seeking **professional volunteers** to assist with the **Montana Gray Wolf Conservation and Management Program** (<http://fwp.mt.gov/fishAndWildlife/management/wolf/>). **Work Environment:** Work is conducted throughout western Montana. 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. **Work Schedule:** Highly variable, but hitches are loosely based on 10 days on/4 days off. **Duration:** May - October, but may vary depending upon conditions, volunteer availability, and project funding. **Duties:** Conduct wolf surveys. Monitor wolf activities in livestock areas and associated hazing or harassing wolves. May assist with capture and radio collaring wolves, conduct reproductive surveys, locate and collect data from wolf home sites. **These qualifications are ABSOLUTELY necessary, because of the remote and independent nature of the fieldwork in difficult climate and topography:** Volunteers must be able to hike 15+ miles daily in steep terrain. Strong ability and desire to backpack, camp, and work and live for extended periods of time in remote settings. Possess a great ability to get along working and living with others in backcountry settings for 1-3 week time periods. Proficient at orienteering (map, compass, gps). Completion of or enrollment in college/university wildlife, or closely related curriculum. Must hold valid driver's license. **The following skills and abilities are additionally helpful:** Experience in radio telemetry in mountainous terrain. Capture and handling/processing of wildlife. **Application Period:** Apply Now! Candidates will be selected in March. **How to Apply:** Cover letter detailing your ability to fit the Duties and Qualifications and your period of availability; Resume; and List of names and contact information of 3 references. Email this info to: [klaudon@mt.gov](mailto:klaudon@mt.gov).

**GSK, a major pharmaceutical and health products company in Philadelphia PA and Raleigh NC, has recently posted some summer internships that may be of interest to Chemistry and Biology students.** They vary in qualifications - looking for undergraduates and/or graduate students. If interested, apply on the GSK website: [www.gsk.com](http://www.gsk.com) and go to the career page.

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## JOB OPPORTUNITIES

**The Nature Conservancy is hiring. Position Title:** Flat Ranch Preserve Manager. **Job Title:** Conservation Practitioner III. **Job Number:** 450003. **Location:** Flat Ranch Preserve, Island Park, Idaho. **Duration:** Four year position from date of hire. **To apply go to:** <http://www.nature.org/>.

**J.R. Simplot Company currently has a Field Operations Internship opportunity** available in the field department at their potato processing plant in Aberdeen, Idaho. **Summary:** Field Operations Interns work for and support the Food Group Field Operations Raw Procurement Manager, Field Representative, and Raw Planner/Scheduler in the area of supporting the procurement of potatoes and associated activities. This intern will work full time during the summer and up to 20 hours per week during the school year. **How to Apply:** Visit [www.simplot.com/careers](http://www.simplot.com/careers). Click on Search Jobs & Apply. Click on All open positions. Apply to Job ID # 635: Intern, Field Operations (Food Group – Aberdeen, ID). **Please prepare** a cover letter outlining your interest and qualifications and submit with your resume via our online application process described above. **For best results**, please upload your resume as a Microsoft Word or Adobe PDF document. This process includes additional job relevant questions, so plan on at least 20 minutes when you apply.

**The North Zone of the Idaho Panhandle National Forests is looking for individuals interested in temporary, seasonal employment, serving as Biological Science Technicians (Plants).** Four positions will be filled, in either Sandpoint, Idaho, or Bonners Ferry, Idaho, yet to be determined. These positions are temporary positions not exceeding 1039 hours of work. Individuals selected for these positions will serve independently or as members of a crew on the Idaho Panhandle National Forests (IPNF) North Zone, which includes the Sandpoint, Bonners Ferry, and Priest Lake Ranger Districts. **Interested/Questions:** Contact Jennifer Costich-Thompson at (208) 265-6626 or [jcostichthompson@fs.fed.us](mailto:jcostichthompson@fs.fed.us) for additional details or if you have questions concerning these positions. **How To Apply?** 1) Applicants need to submit an application through AVUE digital services ([www.avuedigitalservices.com](http://www.avuedigitalservices.com)). 2) For BIOLOGICAL SCIENCE TECHNICIAN (PLANTS) positions, applicants need to apply to the service wide job announcement, open continuous recruitment for: OCRT-404-4-PLANT-DT (<http://www.usajobs.gov/GetJob/ViewDetails/2117299>) or OCRT-404-5-PLANT-DT (<http://www.usajobs.gov/GetJob/ViewDetails/2117311>.) 3) Applications must be posted with AVUE digital services no later than April 12, 2012 to be considered. Be sure to select the two duty locations of Bonners Ferry, Idaho and Sandpoint, Idaho when you submit your application in AVUE.

**Summer Job Opportunities in Ecology and Conservation Biology. Range tech:** 2 positions. **Location:** Pocatello, Idaho. **Duties include** conducting riparian and upland long-term trend studies, and wetland indicator monitoring. Plant identification skills are important. **Studies include** Nested Frequency Trend studies, Riparian Multiple Indicator Monitoring, Seep and Spring condition rating. Short-term monitoring include forage utilization mapping and range improvement condition rating. **Fisheries tech:** 2 positions. **Location:** Soda Springs, Idaho. **Duties include** conducting fish distribution and aquatic habitat surveys in the Bear and Blackfoot drainages. Monday-Thursday work week. Housing available. **Students can contact:** Corey Lyman, Fisheries Biologist, Caribou-Targhee National Forest, 1405 Hollipark Drive, Idaho Falls, Idaho 83401. **Email:** [clyman@fs.fed.us](mailto:clyman@fs.fed.us). **Office:** (208) 557-5838. **Cell:** (208) 313-4084. **Fax:** (208) 557-5826.

**Seasonal Range/ Invasive Plant Management Work. USDA Forest Service, Uncompahgre National Forest. Ouray Ranger District, Montrose Colorado and Norwood Ranger District, Norwood Colorado. Range/Biological (Weeds) Technician:** Multiple vacancies are available for the field season of 2012. Work is expected to run May-November (dates are negotiable). **Duty Station:** Montrose, CO (housing may be available). Earn \$12-15/ hour on a 40-hour work week with some opportunities for overtime. **Position Description:** Quality applicant skill sets may include plant identification, inventory using GPS units, monitoring vegetation with a variety of sampling procedures, competency in ArcGIS, and report writing skills. May involve strenuous labor at elevations ranging from 4,000 to 12,000 plus feet. Work involves regular and recurrent exposure to operating equipment such as OHV's, utility and horse trailers, chainsaws, 4x4 vehicles, horses, and other specialized equipment. Field duties include invasive plant management using chemical, mechanical, and biological applications. Rangeland/wildlife improvement projects including construction/decommissioning of fences and water developments, vegetation monitoring, and vegetation establishment. Testing for pesticide applicators licenses is required and will be provided. **If the applicant is a full-time student:** Planning to continue enrollment in the fall 2012, then send via e-mail a letter of interest, resume, and 3 references (including phone numbers), and copies of college or high school transcripts ASAP to the address below. **If the applicant will not be a returning student in the fall or is not a student:** The application process is through AVUE Digital Services, Online Application; website: [www.avuedigitalservices.com](http://www.avuedigitalservices.com). Look for Open Continuous Recruitment announcements: (nationwide/multiple locations) – Select Montrose, CO or Norwood, CO as area for consideration. For additional information, contact Kelley Liston, 970.240.5408 [kliston@fs.fed.us](mailto:kliston@fs.fed.us) or Brian Hoefling, 970.327.4261 [bhoefling@fs.fed.us](mailto:bhoefling@fs.fed.us).

**Intermountain Aquatics** is looking for hard working people to assist with a **habitat restoration project in Grand Teton National Park** this summer 2012. Depending on weather and conditions on site this position

will most likely begin on June 4, 2012, and end around July 15, 2012. The work involves long hours planting, moving, and caring for a variety of wetland native plant species on site. Landscaping and physical labor experience is preferred but not necessarily required. This has been an ongoing IMA project for several years and workers will be required to camp on site. Transportation to the site is typically not provided, however, employees have carpooled from Driggs in the past. Free passes into the park are provided. This is an excellent opportunity for those interested or seeking careers in landscaping, habitat restoration, or biology. If you enjoy camping and would like a seasonal job working in Teton National Park, please contact me through my email: [ian@intermountainaquatics.com](mailto:ian@intermountainaquatics.com). You can also check out more about our company and the type of work we do at [www.intermountainaquatics.com](http://www.intermountainaquatics.com).

**Granite Seed and Erosion Control** currently has an open position for a seed and erosion control salesperson/consultant. Granite Seed specializes in supplying seed, erosion control products, and environmental consulting to the reclamation/restoration, turf and pasture industry. Our clientele is primarily located in the Western US and includes federal and state agencies, private industry, private and public land managers and others who engage in land management, reclamation, restoration, pasture and turf. Candidates should be knowledgeable in plant ecology and identification, land management principles, revegetation and erosion control techniques, enjoy working with people and natural resource systems, possess good communication skills, and be well-versed in computer operations. Sales experience and/or management skills are a plus. The position is based in our home office along the Wasatch Mountains in Lehi, Utah, on the outskirts of Salt Lake City. Compensation package includes salary and generous benefits, including: paid holidays, paid vacation days, company-paid health insurance for the employee and family, company funded retirement plan, plus the opportunity to work with a fun group of people in an exciting industry. **Interested applicants should contact/email a resume to:** William Agnew, President, Granite Seed and Erosion Control, 1697 West 2100 North, Lehi, UT 84043. **Telephone:** 801.768.4422. **Email:** [bill@graniteseed.com](mailto:bill@graniteseed.com).

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## PAYROLL INFORMATION

**Our pay period ends Saturday, April 28, 2012.** Please be sure to **submit your time by Monday, April 30, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, May 1, 2012,** when time cards are due to Payroll.



# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF APRIL 22, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, April 24, 2012**, in the Plant Sciences 114 at noon.

## SEMINARS

**Ryan Marcum**, MS student with **Dr. Jean Pfau**, will present his defense seminar, "Expression and Function of Glutamate Receptors on B1a B Cells and Their Role in Autoimmunity," on **Tuesday, April 24, 2012**, at **8:00 AM** in **Lecture Center 10**.

**Wayne Hatch**, DA student with **Dr. Gene Scalarone**, will present his defense seminar, "Development of a Slide Agglutination Assay for the Detection of Blastomycosis & Teaching Bioinformatics Using an Online Case Study," on **Wednesday, April 25, 2012**, at **1:00 PM** in **Lecture Center 10**.

**Jessica Roberts**, MS student with **Dr. James Groome**, will present her proposal seminar on **Thursday, April 26, 2012**, at **12:00 PM** in **Lecture Center 10**.

**James S. Lockhart**, MS student with **Dr. Linda DeVeaux**, will present his defense seminar, "The Impact of Single-Stranded DNA-Binding Protein Gene Expression on Microbial Radiation Tolerance," on **Wednesday, May 2, 2012**, at **2:00 PM** in **Lecture Center 10**.

## DEPARTMENT NEWS

**Patrick Gygli**, graduate student with **Dr. Linda DeVeaux**, won first place (and \$200) for his oral presentation at the annual meeting of the **Intermountain Branch of the American Society for Microbiology** on April 7, 2012. **Congratulations Patrick!**

**Rachel Yomtob** and **Bryce Rhodehouse** were each awarded a prestigious summer undergraduate research fellowship to conduct research in **Dr. Shawn Bearden's lab**. **Congratulations Rachel and Bryce!**

**Dr. Jean Pfau**, Department of Biological Sciences, was awarded the **Excellence in Education Award** by the members of the **LDSSA**. The award is presented each year to an outstanding educator on the Idaho State University campus. This award honors a teacher who demonstrates superior teaching skill, dedication to students, enthusiasm for one's academic discipline, and the love of learning in general. The award selection is based on recommendations and comments made by hundreds of members of the LDSSA at Idaho State University and students at the Pocatello Institute of Religion. **Congratulations Dr. Pfau!**

**Abel Clark**, IT Support Technician for Biological Sciences, traveled to the **SKILLS USA Conference** April 12-13, 2012, in Nampa, Idaho, to complete in Computer Maintenance Technology. Abel won the Gold medal and will be competing in the SKILLS USA National Conference in Kansas City, Missouri, at the end of June. **Congratulations Abel and good luck!**

## UPCOMING EVENTS

The **Department of Biological Sciences 32st Annual Reception** honoring the graduating classes of Summer 2011, Fall 2011, and Spring 2012 will be **Friday, May 4, 2012, at 2:00 PM** in the foyer of the Gale Life Science Building. **Pictures will be at 2:30 PM.**

**10<sup>th</sup> Annual Dubois Grouse Day, April 27-28, 2012, Dubois, Idaho.** Celebrate sage grouse and the beautiful sagebrush steppe ecosystem they occupy. Festival fees are \$35 in advance or \$40 at the door (children 12 and under free) and include all festival activities. **For more information contact:** Jeff Liday at [jeff\\_liday\\_179@hotmail.com](mailto:jeff_liday_179@hotmail.com). **Register at:** [www.grousedays.org](http://www.grousedays.org).

## OPPORTUNITIES

**The Sacajawea Interpretive, Cultural and Educational Center in Salmon, Idaho** (through a grant from the US Fish and Wildlife Service) is offering one 15-week, college level internship related to aquatic resource education. In addition to \$3,000 in total wages, this position offers per diem reimbursement, free housing, the use of a vehicle for the duration of employment, and opportunities to “shadow” natural resources professionals from Idaho Fish and Game, US Forest Service, Bureau of Land Management and others during the summer field season. This internship begins mid-May and runs through mid-August. Exact start and end dates are flexible. Average hours of work per week will be 20, leaving ample time to enjoy hiking, fishing, rafting and camping in beautiful Salmon River country. **Applicants for this internship must be 18-25 years old**, be currently enrolled in a college or university, and have completed at least one semester. Preference will be given to individuals majoring in fisheries, wildlife or other natural resources related area. Interested individuals may contact the Center to have application form emailed to them personally. If you have any questions or would like additional information, please contact the Sacajawea Center at [sacajaweacenterinternship@gmail.com](mailto:sacajaweacenterinternship@gmail.com) or call (208) 756-1188.

**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 is a non-profit organization formed in 1986 by a group of volunteers concerned for the future of Washington Lakes. WALPA will award one \$1000 scholarship and one \$750 scholarship in May, 2012. **For more information regarding application process go to:** <http://www.walpa.org/student-scholarships/>. **Deadline for application: April 27, 2012.**

**Montana Fish Wildlife & Parks** are seeking **professional volunteers** to assist with the **Montana Gray Wolf Conservation and Management Program** (<http://fwp.mt.gov/fishAndWildlife/management/wolf/>). **Work Environment:** Work is conducted throughout western Montana. 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. **Work Schedule:** Highly variable, but hitches are loosely based on 10 days on/4 days off. **Duration:** May - October, but may vary depending upon conditions, volunteer availability, and project funding. **Duties:** Conduct wolf surveys. Monitor wolf activities in livestock areas and associated hazing or harassing wolves. May assist with capture and radio collaring wolves, conduct reproductive surveys, locate and collect data from wolf home sites. **These qualifications are ABSOLUTELY necessary, because of the remote and independent nature of the fieldwork in difficult climate and topography:** Volunteers must be able to hike 15+ miles daily in steep terrain. Strong ability and desire to backpack, camp, and work and live for extended periods of time in remote settings. Possess a great ability to get along working and living with others in backcountry settings for 1-3 week time periods. Proficient at orienteering (map, compass, gps). Completion of or enrollment in college/university wildlife, or closely related curriculum. Must hold valid driver's license. **The following skills and abilities are additionally helpful:** Experience in radio telemetry in mountainous terrain. Capture and handling/processing of wildlife. **Application Period:** Apply Now! Candidates will be selected in March. **How to Apply:** Cover letter detailing your

ability to fit the Duties and Qualifications and your period of availability; Resume; and List of names and contact information of 3 references. Email this info to: [klaudon@mt.gov](mailto:klaudon@mt.gov).

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## JOB OPPORTUNITIES

**The Idaho Department of Fish and Game is looking for a data technician** who wants to contribute to the management of Idaho's plant resources. *This job assignment is an indoor position, requiring sitting, reading and interpreting botanical and locational information, typing, organization, and close attention to detail.* **Minimum Qualifications:** Knowledge of at least one of the following: Good knowledge of biology, zoology, botany, conservation biology or closely related discipline. Experience recording, summarizing, analyzing, and synthesizing biological data using a personal computer to manage data. **Additional desired qualifications:** Ability to use existing forms and tables in Microsoft Access. Additionally, have proficient knowledge and use of MS Word, MS Excel. Ability to accurately process long strings of numbers. Ability to calculate and convert mathematical units (e.g., calculate area, convert standard to metric). Understanding of scientific nomenclature. Multi-tasking, team player, that is self-motivated, with ability to work independently and strong organizational skills. **This position is a 5-month temporary position with the State of Idaho. Dates Needed:** Mid-May through September, 2012. **Salary:** \$12.00 to \$16.00 per hour. **Job Location:** Boise IDFG Headquarters. **Closing Date: April 27, 2012. If you have any questions,** you may contact Bart Butterfield at [bart.butterfield@idfg.idaho.gov](mailto:bart.butterfield@idfg.idaho.gov) or (208) 287-2722 or Jim Strickland at [jim.strickland@idfg.idaho.gov](mailto:jim.strickland@idfg.idaho.gov) or (208) 287-2796. **To Apply:** Applicants must register with the Idaho Department of Labor (<http://labor.idaho.gov>) or any of their offices. **Resumes and letters of interest must be emailed or mailed to:** Bart Butterfield, Idaho Department of Fish and Game, 600 W. Walnut, Box 25, Boise, ID 83707, [bart.butterfield@idfg.idaho.gov](mailto:bart.butterfield@idfg.idaho.gov). IDFG is an EEO/Vet. Preference employer.

**J.R. Simplot Company currently has a Field Operations Internship opportunity** available in the field department at their potato processing plant in Aberdeen, Idaho. **Summary:** Field Operations Interns work for and support the Food Group Field Operations Raw Procurement Manager, Field Representative, and Raw Planner/Scheduler in the area of supporting the procurement of potatoes and associated activities. This intern will work full time during the summer and up to 20 hours per week during the school year. **How to Apply:** Visit [www.simplot.com/careers](http://www.simplot.com/careers). Click on Search Jobs & Apply. Click on All open positions. Apply to Job ID # 635: Intern, Field Operations (Food Group – Aberdeen, ID). **Please prepare** a cover letter outlining your interest and qualifications and submit with your resume via our online application process described above. **For best results,** please upload your resume as a Microsoft Word or Adobe PDF document. This process includes additional job relevant questions, so plan on at least 20 minutes when you apply.

**The North Zone of the Idaho Panhandle National Forests is looking for individuals interested in temporary, seasonal employment, serving as Biological Science Technicians (Plants).** Four positions will be filled, in either Sandpoint, Idaho, or Bonners Ferry, Idaho, yet to be determined. These positions are temporary positions not exceeding 1039 hours of work. Individuals selected for these positions will serve independently or as members of a crew on the Idaho Panhandle National Forests (IPNF) North Zone, which includes the Sandpoint, Bonners Ferry, and Priest Lake Ranger Districts. **Interested/Questions:** Contact Jennifer Costich-Thompson at (208) 265-6626 or [jcostichthompson@fs.fed.us](mailto:jcostichthompson@fs.fed.us) for additional details or if you have questions concerning these positions. **How To Apply?** 1) Applicants need to submit an application through AVUE digital services ([www.avuedigitalservices.com](http://www.avuedigitalservices.com)). 2) For BIOLOGICAL SCIENCE TECHNICIAN (PLANTS) positions, applicants need to apply to the service wide job

announcement, open continuous recruitment for: OCRT-404-4-PLANT-DT (<http://www.usajobs.gov/GetJob/ViewDetails/2117299>) or OCRT-404-5-PLANT-DT (<http://www.usajobs.gov/GetJob/ViewDetails/2117311>.) 3) Applications must be posted with AVUE digital services no later than April 12, 2012 to be considered. Be sure to select the two duty locations of Bonners Ferry, Idaho and Sandpoint, Idaho when you submit your application in AVUE.

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**Seasonal Range/ Invasive Plant Management Work. USDA Forest Service, Uncompahgre National Forest. Ouray Ranger District, Montrose Colorado and Norwood Ranger District, Norwood Colorado. Range/Biological (Weeds) Technician:** Multiple vacancies are available for the field season of 2012. Work is expected to run May-November (dates are negotiable). **Duty Station:** Montrose, CO (housing may be available). Earn \$12-15/ hour on a 40-hour work week with some opportunities for overtime. **Position Description:** Quality applicant skill sets may include plant identification, inventory using GPS units, monitoring vegetation with a variety of sampling procedures, competency in ArcGIS, and report writing skills. May involve strenuous labor at elevations ranging from 4,000 to 12,000 plus feet. Work involves regular and recurrent exposure to operating equipment such as OHV's, utility and horse trailers, chainsaws, 4x4 vehicles, horses, and other specialized equipment. Field duties include invasive plant management using chemical, mechanical, and biological applications. Rangeland/wildlife improvement projects including construction/decommissioning of fences and water developments, vegetation monitoring, and vegetation establishment. Testing for pesticide applicators licenses is required and will be provided. **If the applicant is a full-time student:** Planning to continue enrollment in the fall 2012, then send via e-mail a letter of interest, resume, and 3 references (including phone numbers), and copies of college or high school transcripts ASAP to the address below. **If the applicant will not be a returning student in the fall or is not a student:** The application process is through AVUE Digital Services, Online Application; website: [www.avuedigitalservices.com](http://www.avuedigitalservices.com). Look for Open Continuous Recruitment announcements: (nationwide/multiple locations) – Select Montrose, CO or Norwood, CO as area for consideration. For additional information, contact Kelley Liston, 970.240.5408 [kliston@fs.fed.us](mailto:kliston@fs.fed.us) or Brian Hoefling, 970.327.4261 [bhoefling@fs.fed.us](mailto:bhoefling@fs.fed.us).

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**Granite Seed and Erosion Control** currently has an open position for a seed and erosion control salesperson/consultant. Granite Seed specializes in supplying seed, erosion control products, and environmental consulting to the reclamation/restoration, turf and pasture industry. Our clientele is primarily located in the Western US and includes federal and state agencies, private industry, private and public land managers and others who engage in land management, reclamation, restoration, pasture and turf. Candidates should be knowledgeable in plant ecology and identification, land management principles, revegetation and erosion control techniques, enjoy working with people and natural resource systems, possess good communication skills, and be well-versed in computer operations. Sales experience and/or management skills are a plus. The position is based in our home office along the Wasatch Mountains in Lehi, Utah, on the outskirts of Salt Lake City. Compensation package includes salary and generous benefits, including: paid holidays, paid vacation days, company-paid health insurance for the employee and family, company funded retirement plan, plus the opportunity to work with a fun group of people in an exciting industry. **Interested applicants should contact/email a resume to:** William Agnew, President, Granite Seed and Erosion Control, 1697 West 2100 North, Lehi, UT 84043. **Telephone:** 801.768.4422. **Email:** [bill@graniteseed.com](mailto:bill@graniteseed.com).

**2012 Sawtooth National Forest Summer Fisheries Positions.** **Duration:** Early June to September/October (somewhat flexible). **Number of Positions:** 1-2. **Location:** Stanley ID and/or Fairfield ID. **Pay:** 13-15 dollars per hour + per diem while camping. **If Interested Apply at:** [www.avuedigitalservices.com](http://www.avuedigitalservices.com). **Select Job number:** OCRT-404-4-FISH-DT and/or OCRT-404-5-FISH-DT. **Make sure to select:** Fairfield, Ketchum and/or Stanley as Duty station. **For additional information** about applying or if you have additional questions regarding the positions please contact: Scott W. Vuono @ 208-727-5034 or [svuono@fs.fed.us](mailto:svuono@fs.fed.us) or Erika Phillips @ 208-622-0094.

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## PAYROLL INFORMATION

**Our pay period ends Saturday, April 28, 2012.** Please be sure to **submit your time by Monday, April 30, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, May 1, 2012,** when time cards are due to Payroll.



# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF APRIL 15, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, April 17, 2012**, in the Plant Sciences 114 at noon.

## SEMINARS

**Tiffany Allison**, MS student with **Dr. Gene Scalarone**, will present her proposal seminar, "Immunodiagnostic tools for diagnosis of blastomycosis and homology modeling studies for histidine kinase in *Blastomyces dermatitidis*," on **Monday, April 16, 2012**, at **1:00 PM** in **Lecture Center 10**.

**Kenny Bonn**, MS student with **Dr. Caryn Evilia**, will present his defense seminar, "Resistance of the Novel Halovirus GSL1 to Extreme Conditions," on **Tuesday, April 17, 2012**, at **4:00 PM** in **LIBR B16**.

**Wayne Hatch**, DA student with **Dr. Gene Scalarone**, will present his defense seminar, "Development of a Slide Agglutination Assay for the Detection of Blastomycosis & Teaching Bioinformatics Using an Online Case Study," on **Wednesday, April 18, 2012**, at **1:00 PM** in **Lecture Center 10**.

**Noelle Guernsey**, MS student with **Dr. Kathleen Lohse**, will present her proposal seminar, "Sexual Segregation of Shiras Moose in Wyoming: Habitat Selection and Ecosystem Dynamics," on **Thursday, April 19, 2012**, at **12:00 PM** in **Lecture Center 10**.

**Amanda Searle**, MS student with **Dr. Gene Scalarone**, will present her defense seminar, "*Blastomyces dermatitidis*: Chitinase Homology Modeling, Inhibition, and Antigen Detection for Diagnosis," on **Thursday, April 19, 2012**, at **2:00 PM** in **Lecture Center 15/17**.

**Biology Graduate Student Association (BGSA)** will host a movie, "Parasites, A User's Guide," **Thursday, April 19, 2012**, at **4:00 PM** in **Lecture Center 10**.

**Prajwal Wagley**, MS student with **Dr. James Groome**, will present his defense seminar on **Friday, April 20, 2012**, at **12:00 PM** in **Lecture Center 10**.

## DEPARTMENT NEWS

Congratulations to **Stacey King**, undergraduate student with **Dr. Kathleen Lohse**, who received **third place** in ISU's Student Employee of the Year!

## PUBLICATIONS

**Carolyn F. Weber**, **Monica Moya Balasch**, **Zachary Gossage**, **Andrea Porrás-Alfaro**, and **Cheryl R. Kuske**.

Soil fungal cellobiohydrolase I (cbhI) composition and expression in a loblolly pine plantation under elevated atmospheric CO<sub>2</sub> and nitrogen fertilization *Appl. Environ. Microbiol.* published ahead of print 30 March 2012 ,doi:10.1128/AEM.08018-11.

## NSF PROPOSAL SUBMITTED

**Carolyn F. Weber** (PI): “Dimensions of Biodiversity: Collaborative Research: Research on Airborne Ice-Nucleating Species (RAINS).” (PI) Brent C. Christner (Lead Institution) Louisiana State University; (PI) Boris Vinatzer, Virginia Tech; (PI) David Schamale, Virginia Tech; (PI) David Sands, Montana State University; (PI) Cindy Morris, INRA-France.

## UPCOMING EVENTS

**10<sup>th</sup> Annual Dubois Grouse Day, April 27-28, 2012, Dubois, Idaho.** Celebrate sage grouse and the beautiful sagebrush steppe ecosystem they occupy. Festival fees are \$35 in advance or \$40 at the door (children 12 and under free) and include all festival activities. **For more information contact:** Jeff Liday at [jeff\\_liday\\_179@hotmail.com](mailto:jeff_liday_179@hotmail.com). **Register at:** [www.grousedays.org](http://www.grousedays.org).

## OPPORTUNITIES

**The Sacajawea Interpretive, Cultural and Educational Center in Salmon, Idaho** (through a grant from the US Fish and Wildlife Service) is offering one 15-week, college level internship related to aquatic resource education. In addition to \$3,000 in total wages, this position offers per diem reimbursement, free housing, the use of a vehicle for the duration of employment, and opportunities to “shadow” natural resources professionals from Idaho Fish and Game, US Forest Service, Bureau of Land Management and others during the summer field season. This internship begins mid-May and runs through mid-August. Exact start and end dates are flexible. Average hours of work per week will be 20, leaving ample time to enjoy hiking, fishing, rafting and camping in beautiful Salmon River country. **Applicants for this internship must be 18-25 years old**, be currently enrolled in a college or university, and have completed at least one semester. Preference will be given to individuals majoring in fisheries, wildlife or other natural resources related area. Interested individuals may contact the Center to have application form emailed to them personally. If you have any questions or would like additional information, please contact the Sacajawea Center at [sacajaweacenterinternship@gmail.com](mailto:sacajaweacenterinternship@gmail.com) or call (208) 756-1188.

**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 is a non-profit organization formed in 1986 by a group of volunteers concerned for the future of Washington Lakes. WALPA will award one \$1000 scholarship and one \$750 scholarship in May, 2012. **For more information regarding application process go to:** <http://www.walpa.org/student-scholarships/>. **Deadline for application: April 27, 2012.**

**Montana Fish Wildlife & Parks** are seeking **professional volunteers** to assist with the **Montana Gray Wolf Conservation and Management Program** (<http://fwp.mt.gov/fishAndWildlife/management/wolf/>). **Work Environment:** Work is conducted throughout western Montana. 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. **Work Schedule:** Highly variable, but hitches are loosely based on 10 days on/4 days off. **Duration:** May - October, but may vary depending upon conditions, volunteer availability, and project funding. **Duties:** Conduct wolf surveys. Monitor wolf activities in livestock areas and associated hazing or harassing wolves. May assist with capture and radio collaring wolves, conduct reproductive surveys, locate and collect data from wolf home sites. **These qualifications are ABSOLUTELY necessary, because of the remote and independent nature of the fieldwork in difficult climate and topography:** Volunteers

must be able to hike 15+ miles daily in steep terrain. Strong ability and desire to backpack, camp, and work and live for extended periods of time in remote settings. Possess a great ability to get along working and living with others in backcountry settings for 1-3 week time periods. Proficient at orienteering (map, compass, gps). Completion of or enrollment in college/university wildlife, or closely related curriculum. Must hold valid driver's license. **The following skills and abilities are additionally helpful:** Experience in radio telemetry in mountainous terrain. Capture and handling/processing of wildlife. **Application Period:** Apply Now! Candidates will be selected in March. **How to Apply:** Cover letter detailing your ability to fit the Duties and Qualifications and your period of availability; Resume; and List of names and contact information of 3 references. Email this info to: [klaudon@mt.gov](mailto:klaudon@mt.gov).

**GSK, a major pharmaceutical and health products company in Philadelphia PA and Raleigh NC, has recently posted some summer internships that may be of interest to Chemistry and Biology students.** They vary in qualifications - looking for undergraduates and/or graduate students. If interested, apply on the GSK website: [www.gsk.com](http://www.gsk.com) and go to the career page.

## JOB OPPORTUNITIES

**The Idaho Department of Fish and Game is looking for a data technician** who wants to contribute to the management of Idaho's plant resources. *This job assignment is an indoor position, requiring sitting, reading and interpreting botanical and locational information, typing, organization, and close attention to detail.* **Minimum Qualifications:** Knowledge of at least one of the following: Good knowledge of biology, zoology, botany, conservation biology or closely related discipline. Experience recording, summarizing, analyzing, and synthesizing biological data using a personal computer to manage data. **Additional desired qualifications:** Ability to use existing forms and tables in Microsoft Access. Additionally, have proficient knowledge and use of MS Word, MS Excel. Ability to accurately process long strings of numbers. Ability to calculate and convert mathematical units (e.g., calculate area, convert standard to metric). Understanding of scientific nomenclature. Multi-tasking, team player, that is self-motivated, with ability to work independently and strong organizational skills. **This position is a 5-month temporary position with the State of Idaho. Dates Needed:** Mid-May through September, 2012. **Salary:** \$12.00 to \$16.00 per hour. **Job Location:** Boise IDFG Headquarters. **Closing Date: April 27, 2012. If you have any questions,** you may contact Bart Butterfield at [bart.butterfield@idfg.idaho.gov](mailto:bart.butterfield@idfg.idaho.gov) or (208) 287-2722 or Jim Strickland at [jim.strickland@idfg.idaho.gov](mailto:jim.strickland@idfg.idaho.gov) or (208) 287-2796. **To Apply:** Applicants must register with the Idaho Department of Labor (<http://labor.idaho.gov>) or any of their offices. **Resumes and letters of interest must be emailed or mailed to:** Bart Butterfield, Idaho Department of Fish and Game, 600 W. Walnut, Box 25, Boise, ID 83707, [bart.butterfield@idfg.idaho.gov](mailto:bart.butterfield@idfg.idaho.gov). IDFG is an EEO/Vet. Preference employer.

**J.R. Simplot Company currently has a Field Operations Internship opportunity** available in the field department at their potato processing plant in Aberdeen, Idaho. **Summary:** Field Operations Interns work for and support the Food Group Field Operations Raw Procurement Manager, Field Representative, and Raw Planner/Scheduler in the area of supporting the procurement of potatoes and associated activities. This intern will work full time during the summer and up to 20 hours per week during the school year. **How to Apply:** Visit [www.simplot.com/careers](http://www.simplot.com/careers). Click on Search Jobs & Apply. Click on All open positions. Apply to Job ID # 635: Intern, Field Operations (Food Group – Aberdeen, ID). **Please prepare** a cover letter outlining your interest and qualifications and submit with your resume via our online application process described above. **For best results,** please upload your resume as a Microsoft Word or Adobe PDF document. This process includes additional job relevant questions, so plan on at least 20 minutes when you apply.

**The North Zone of the Idaho Panhandle National Forests is looking for individuals interested in temporary, seasonal employment, serving as Biological Science Technicians (Plants).** Four positions will be filled, in either Sandpoint, Idaho, or Bonners Ferry, Idaho, yet to be determined. These positions are

temporary positions not exceeding 1039 hours of work. Individuals selected for these positions will serve independently or as members of a crew on the Idaho Panhandle National Forests (IPNF) North Zone, which includes the Sandpoint, Bonners Ferry, and Priest Lake Ranger Districts. **Interested/Questions:** Contact Jennifer Costich-Thompson at (208) 265-6626 or [jcostichthompson@fs.fed.us](mailto:jcostichthompson@fs.fed.us) for additional details or if you have questions concerning these positions. **How To Apply?** 1) Applicants need to submit an application through AVUE digital services ([www.avuedigitalservices.com](http://www.avuedigitalservices.com)). 2) For BIOLOGICAL SCIENCE TECHNICIAN (PLANTS) positions, applicants need to apply to the service wide job announcement, open continuous recruitment for: OCRT-404-4-PLANT-DT (<http://www.usajobs.gov/GetJob/ViewDetails/2117299>) or OCRT-404-5-PLANT-DT (<http://www.usajobs.gov/GetJob/ViewDetails/2117311>.) 3) Applications must be posted with AVUE digital services no later than April 12, 2012 to be considered. Be sure to select the two duty locations of Bonners Ferry, Idaho and Sandpoint, Idaho when you submit your application in AVUE.

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# Newsletter

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**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF APRIL 8, 2012**

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## FACULTY/STAFF/OTHER MEETINGS

There will **NOT** be a Department of Biological Sciences Faculty Meeting on Tuesday, April 10, 2012.

## SEMINARS

**Dr. Jeff Lewis**, (Postdoctoral Fellow, University of Wisconsin-Madison) a candidate for the **Microbiology position in the Department of Biological Sciences**, will present his seminar, "Genome-Wide Analysis of Stress-Activated Gene Expression Changes," on **Tuesday, April 10, 2012**, at **12:00 PM** in **Lecture Center 10**.

**Dr. Michael Herman**, (Professor, Co-director of KSU Ecological Genomics Institute, Division of Biology, Kansas State University) a candidate for the **Chair position in the Department of Biological Sciences**, will present his seminar, "Ecological Genomics of Nematode-Bacterial Interactions," on **Wednesday, April 11, 2012**, at **12:00 PM** in **Lecture Center 10**.

**Dr. Alex Huryn**, University of Alabama Department of Biological Sciences, will deliver the **fifth annual G.W. Minshall Lecture Series in Ecology**, "Postcards From the Edge: Extreme Habitats As Tools For Ecological Inquiry," on **Thursday, April 12, 2012**, at **4:00 PM** in **Lecture Center 10**.

The **Microbiology Club** presents **Dr. Patricia Rosa**, Chief Molecular Genetics Section, Laboratory of Zoonotic Pathogens, Rocky Mountain Laboratories, NIAID, NIH, who will present her seminar, "Molecular Genetic Sleuthing with the Lyme Disease Agent," on **Friday, April 13, 2012**, at **12:00 PM** in **Lecture Center 10**.

## PUBLICATIONS

**Amanda J. Searle, Vern Winston, and Gene M. Scalarone**. *Blastomyces dermatitidis*: Chitinase Homology Model, *in Silico* Docking, and Inhibition Away. *Open Journal of Medical Microbiology*, 2012, 2, 1-7. DOI:10.4236/ojmm.2012.21001 Published Online March 2012 (<http://www.SciRP.org/journal/ojmm>)

**Jeff Meldrum**. 2012. Are there other hominins (hominoids) alive today? *The Relict Hominoid Inquiry* 1:67-71.

## DEPARTMENT NEWS

**Dr. Jack Shurley** traveled to San Francisco, California, March 23-26, 2012, to participate in a Non-Majors Biology Forum.

Congratulations to **David Huber, Noelle Guernsey, and Emily Charaska** who each received a Geological Society of America Student Research Grant (\$1500-2500) to support their research.

**Dr. Jean Pfau** has been named a **2012 Outstanding Master Teacher** at Idaho State University. Congratulations Dr. Pfau!

**Drs. Linda DeVeaux, Bruce Finney, and Scot Kelchner** have been named an **Outstanding Researcher** at Idaho State University. Congratulations Drs. DeVeaux, Finney, and Kelchner!

**Dr. Linda DeVeaux** has received a **2012 Outstanding Service Award** at Idaho State University. Congratulations Dr. DeVeaux!

Out of a total of 11 posters from 6 different departments, the following students from **Biological Sciences** presented posters at the **Graduate Research Symposium Thursday, April 5, 2012:**

- **Ryan Blackadar (Dr. Colden Baxter's Lab)**
- **Hannah Harris (Dr. Colden Baxter's Lab)**
- **Matt Schenk (Dr. Colden Baxter's Lab)**
- **Kinta Serve (Dr. Jean Pfau's Lab)**
- **Liang Yan (Dr. Caryn Evilia'Lab)**

**Biological Sciences** was represented by 22 posters at the **Undergraduate Research Symposium on Wednesday, April 4, 2012**, among 48 total posters from about 14 different departments. The winners of the poster judging contest, and free membership to Sigma XI, were:

- First place: Emily Valerio and her co-authors from Chemistry (Dr. Joshua Pak)
- **Second place: Bryce Rhodehouse** and his co-authors from **Biological Sciences (Dr. Shawn Bearden's Lab)**
- **Third place: Erin Birch** and her co-authors from **Biological Sciences (Dr. Jean Pfau's Lab)**

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## UPCOMING EVENTS

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**GSK, a major pharmaceutical and health products company in Philadelphia PA and Raleigh NC, has recently posted some summer internships that may be of interest to Chemistry and Biology students.** They vary in qualifications - looking for undergraduates and/or graduate students. If interested, apply on the GSK website: [www.gsk.com](http://www.gsk.com) and go to the career page.

## JOB OPPORTUNITIES

**Beneficial Use Reconnaissance Program (BURP). Environmental Technician. Department of Environmental Quality. Open Recruitment:** March 26 - April 9, 2012. **For more information:** [https://www2.labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=NONCLS083101](https://www2.labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=NONCLS083101).

**J.R. Simplot Company currently has a Field Operations Internship opportunity** available in the field department at their potato processing plant in Aberdeen, Idaho. **Summary:** Field Operations Interns work for and support the Food Group Field Operations Raw Procurement Manager, Field Representative, and Raw Planner/Scheduler in the area of supporting the procurement of potatoes and associated activities. This intern will work full time during the summer and up to 20 hours per week during the school year. **How to Apply:** Visit [www.simplot.com/careers](http://www.simplot.com/careers). Click on Search Jobs & Apply. Click on All open positions. Apply to Job ID # 635: Intern, Field Operations (Food Group – Aberdeen, ID). **Please prepare** a cover letter outlining your interest and qualifications and submit with your resume via our online application process described above. **For best results,** please upload your resume as a Microsoft Word or Adobe PDF document. This process includes additional job relevant questions, so plan on at least 20 minutes when you apply.

**The North Zone of the Idaho Panhandle National Forests is looking for individuals interested in temporary, seasonal employment, serving as Biological Science Technicians (Plants).** Four positions

will be filled, in either Sandpoint, Idaho, or Bonners Ferry, Idaho, yet to be determined. These positions are temporary positions not exceeding 1039 hours of work. Individuals selected for these positions will serve independently or as members of a crew on the Idaho Panhandle National Forests (IPNF) North Zone, which includes the Sandpoint, Bonners Ferry, and Priest Lake Ranger Districts. **Interested/Questions:** Contact Jennifer Costich-Thompson at (208) 265-6626 or [jcostichthompson@fs.fed.us](mailto:jcostichthompson@fs.fed.us) for additional details or if you have questions concerning these positions. **How To Apply?** 1) Applicants need to submit an application through AVUE digital services ([www.avuedigitalservices.com](http://www.avuedigitalservices.com)). 2) For BIOLOGICAL SCIENCE TECHNICIAN (PLANTS) positions, applicants need to apply to the service wide job announcement, open continuous recruitment for: OCRT-404-4-PLANT-DT (<http://www.usajobs.gov/GetJob/ViewDetails/2117299>) or OCRT-404-5-PLANT-DT (<http://www.usajobs.gov/GetJob/ViewDetails/2117311>.) 3) Applications must be posted with AVUE digital services no later than April 12, 2012 to be considered. Be sure to select the two duty locations of Bonners Ferry, Idaho and Sandpoint, Idaho when you submit your application in AVUE.

**Summer Job Opportunities in Ecology and Conservation Biology. Range tech:** 2 positions. **Location:** Pocatello, Idaho. **Duties include** conducting riparian and upland long-term trend studies, and wetland indicator monitoring. Plant identification skills are important. **Studies include** Nested Frequency Trend studies, Riparian Multiple Indicator Monitoring, Seep and Spring condition rating. Short-term monitoring include forage utilization mapping and range improvement condition rating. **Fisheries tech:** 2 positions. **Location:** Soda Springs, Idaho. **Duties include** conducting fish distribution and aquatic habitat surveys in the Bear and Blackfoot drainages. Monday-Thursday work week. Housing available. **Students can contact:** Corey Lyman, Fisheries Biologist, Caribou-Targhee National Forest, 1405 Hollipark Drive, Idaho Falls, Idaho 83401. **Email:** [clyman@fs.fed.us](mailto:clyman@fs.fed.us). **Office:** (208) 557-5838. **Cell:** (208) 313-4084. **Fax:** (208) 557-5826.

**Seasonal Range/ Invasive Plant Management Work. USDA Forest Service, Uncompahgre National Forest. Ouray Ranger District, Montrose Colorado and Norwood Ranger District, Norwood Colorado. Range/Biological (Weeds) Technician:** Multiple vacancies are available for the field season of 2012. Work is expected to run May-November (dates are negotiable). **Duty Station:** Montrose, CO (housing may be available). Earn \$12-15/ hour on a 40-hour work week with some opportunities for overtime. **Position Description:** Quality applicant skill sets may include plant identification, inventory using GPS units, monitoring vegetation with a variety of sampling procedures, competency in ArcGIS, and report writing skills. May involve strenuous labor at elevations ranging from 4,000 to 12,000 plus feet. Work involves regular and recurrent exposure to operating equipment such as OHV's, utility and horse trailers, chainsaws, 4x4 vehicles, horses, and other specialized equipment. Field duties include invasive plant management using chemical, mechanical, and biological applications. Rangeland/wildlife improvement projects including construction/decommissioning of fences and water developments, vegetation monitoring, and vegetation establishment. Testing for pesticide applicators licenses is required and will be provided. **If the applicant is a full-time student:** Planning to continue enrollment in the fall 2012, then send via e-mail a letter of interest, resume, and 3 references (including phone numbers), and copies of college or high school transcripts ASAP to the address below. **If the applicant will not be a returning student in the fall or is not a student:** The application process is through AVUE Digital Services, Online Application; website: [www.avuedigitalservices.com](http://www.avuedigitalservices.com). Look for Open Continuous Recruitment announcements: (nationwide/multiple locations) – Select Montrose, CO or Norwood, CO as area for consideration. For additional information, contact Kelley Liston, 970.240.5408 [kliston@fs.fed.us](mailto:kliston@fs.fed.us) or Brian Hoefling, 970.327.4261 [bhoefling@fs.fed.us](mailto:bhoefling@fs.fed.us).

**The Idaho Department of Fish and Game** is recruiting for the position of **Conservation Officer** for statewide openings until **Friday, April 13, 2012**. The announcement is located at the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00864046149](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00864046149). Applications will only be accepted through this website. EEO/Vets Preference

**Intermountain Aquatics** is looking for hard working people to assist with a **habitat restoration project in Grand Teton National Park** this summer 2012. Depending on weather and conditions on site this position will most likely begin on June 4, 2012, and end around July 15, 2012. The work involves long hours planting, moving, and caring for a variety of wetland native plant species on site. Landscaping and physical labor experience is preferred but not necessarily required. This has been an ongoing IMA project for several years and workers will be required to camp on site. Transportation to the site is typically not provided, however, employees have carpooled from Driggs in the past. Free passes into the park are provided. This is an excellent opportunity for those interested or seeking careers in landscaping, habitat restoration, or biology. If you enjoy camping and would like a seasonal job working in Teton National Park, please contact me through my email: [ian@intermountainaquatics.com](mailto:ian@intermountainaquatics.com). You can also check out more about our company and the type of work we do at [www.intermountainaquatics.com](http://www.intermountainaquatics.com).

**Granite Seed and Erosion Control** currently has an open position for a seed and erosion control salesperson/consultant. Granite Seed specializes in supplying seed, erosion control products, and environmental consulting to the reclamation/restoration, turf and pasture industry. Our clientele is primarily located in the Western US and includes federal and state agencies, private industry, private and public land managers and others who engage in land management, reclamation, restoration, pasture and turf. Candidates should be knowledgeable in plant ecology and identification, land management principles, revegetation and erosion control techniques, enjoy working with people and natural resource systems, possess good communication skills, and be well-versed in computer operations. Sales experience and/or management skills are a plus. The position is based in our home office along the Wasatch Mountains in Lehi, Utah, on the outskirts of Salt Lake City. Compensation package includes salary and generous benefits, including: paid holidays, paid vacation days, company-paid health insurance for the employee and family, company funded retirement plan, plus the opportunity to work with a fun group of people in an exciting industry. **Interested applicants should contact/email a resume to:** William Agnew, President, Granite Seed and Erosion Control, 1697 West 2100 North, Lehi, UT 84043. **Telephone:** 801.768.4422. **Email:** [bill@graniteseed.com](mailto:bill@graniteseed.com).

**2012 Sawtooth National Forest Summer Fisheries Positions. Duration:** Early June to September/October (somewhat flexible). **Number of Positions:** 1-2. **Location:** Stanley ID and/or Fairfield ID. **Pay:** 13-15 dollars per hour + per diem while camping. **If Interested Apply at:** [www.avuedigitalservices.com](http://www.avuedigitalservices.com). **Select Job number:** OCRT-404-4-FISH-DT and/or OCRT-404-5-FISH-DT. **Make sure to select:** Fairfield, Ketchum and/or Stanley as Duty station. **For additional information** about applying or if you have additional questions regarding the positions please contact: Scott W. Vuono @ 208-727-5034 or [svuono@fs.fed.us](mailto:svuono@fs.fed.us) or Erika Phillips @ 208-622-0094.

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## PAYROLL INFORMATION

**Our pay period ends Saturday, April 14, 2012.** Please be sure to **submit your time by Monday, April 16, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, April 17, 2012,** when time cards are due to Payroll.



# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF APRIL 1, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, April 3, 2012**, in the Plant Sciences 114 at noon.

## SEMINARS

**Dr. Marc Benson**, (Visiting Assistant Professor, Department of Biology, Truman State University, AND Postdoctoral Fellow, Department of Molecular Microbiology and Immunology, University of Missouri School of Medicine) a candidate for the **Microbiology position in the Department of Biological Sciences**, will present his seminar, "Botulinum and Tetanus Neurotoxins: Could Pathology be Related to Unique Receptor Recognition?," on **Monday, April 2, 2012**, at **12:00 PM** in **Lecture Center 10**.

**Dr. Mark Austin**, (Professor of Psychiatry, The University of Mississippi School of Medicine Department of Psychiatry and Human Behavior) a candidate for the **Chair position in the Department of Biological Sciences**, will present his seminar, "Major Depressive Disorder: Pathophysiology, Gender Differences and Novel Treatment Strategies," on **Thursday, April 5, 2012**, at **4:00 PM** in **Lecture Center 10**.

## GRANTS AWARDED

**Dr. Jeff Meldrum** (in collaboration with Bill Munns, special effects designer and photogrammetrist) received a \$61,000 award from the Ralph Cestone Foundation and Michele Cestone for the project: *Patterson-Gimlin Film Analysis*.

## UPCOMING EVENTS

**Idaho State University Undergraduate Student Research Symposium** is set for **April 4, 3-5:30 p.m.** in the **Wood River Room** of the **Pond Student Union**. Light refreshments will be served. **ISU Graduate Research and Creative Excellence Symposium** is set for **April 5, 3-5:30 p.m.** in the **Wood River Room** of the **Pond Student Union**. Light refreshments will be served.

**10<sup>th</sup> Annual Dubois Grouse Day, April 27-28, 2012, Dubois, Idaho.** Celebrate sage grouse and the beautiful sagebrush steppe ecosystem they occupy. Festival fees are \$35 in advance or \$40 at the door (children 12 and under free) and include all festival activities. **For more information contact:** Jeff Liday at [jeff\\_liday\\_179@hotmail.com](mailto:jeff_liday_179@hotmail.com). **Register at:** [www.grouseyears.org](http://www.grouseyears.org).

## OPPORTUNITIES

The **Sacajawea Interpretive, Cultural and Educational Center in Salmon, Idaho** (through a grant from the US Fish and Wildlife Service) is offering one 15-week, college level internship related to aquatic resource education. In addition to \$3,000 in total wages, this position offers per diem reimbursement, free

housing, the use of a vehicle for the duration of employment, and opportunities to “shadow” natural resources professionals from Idaho Fish and Game, US Forest Service, Bureau of Land Management and others during the summer field season. This internship begins mid-May and runs through mid-August. Exact start and end dates are flexible. Average hours of work per week will be 20, leaving ample time to enjoy hiking, fishing, rafting and camping in beautiful Salmon River country. **Applicants for this internship must be 18-25 years old**, be currently enrolled in a college or university, and have completed at least one semester. Preference will be given to individuals majoring in fisheries, wildlife or other natural resources related area. Interested individuals may contact the Center to have application form emailed to them personally. If you have any questions or would like additional information, please contact the Sacajawea Center at [sacajaweacenterinternship@gmail.com](mailto:sacajaweacenterinternship@gmail.com) or call (208) 756-1188.

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**Granite Seed and Erosion Control** currently has an open position for a seed and erosion control salesperson/consultant. Granite Seed specializes in supplying seed, erosion control products, and environmental consulting to the reclamation/restoration, turf and pasture industry. Our clientele is primarily located in the Western US and includes federal and state agencies, private industry, private and public land managers and others who engage in land management, reclamation, restoration, pasture and turf. Candidates should be knowledgeable in plant ecology and identification, land management principles, revegetation and erosion control techniques, enjoy working with people and natural resource systems, possess good communication skills, and be well-versed in computer operations. Sales experience and/or management skills are a plus. The position is based in our home office along the Wasatch Mountains in Lehi, Utah, on the outskirts of Salt Lake City. Compensation package includes salary and generous benefits, including: paid holidays, paid vacation days, company-paid health insurance for the employee and family, company funded retirement plan, plus the opportunity to work with a fun group of people in an exciting industry. **Interested applicants should contact/email a resume to:** William Agnew, President, Granite Seed and Erosion Control, 1697 West 2100 North, Lehi, UT 84043. **Telephone:** 801.768.4422. **Email:** [bill@graniteseed.com](mailto:bill@graniteseed.com).

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**Natural Resources Field Technician (5 persons), Orchard Combat Training Center, Boise, Idaho.**  
**Duration:** Start 22 May 2012 - End 31 August 2012. **Salary:** 13.22-14.79hr (DOE) (40 hr/wk), non-benefited. **Application Deadline: 6 April 2012.** **Major Duties:** Perform terrestrial vegetation and wildlife monitoring, including nocturnal surveys. Ability to identify plant, bird, mammal, and reptile species associated with sagebrush/grass steppe of the Great Basin. Training provided; however, preference given to candidates with prior experience. Annual projects including: vegetation transects (primary task); rare plant and noxious/invasive weed inventories; rodent, small mammal, and reptile inventories (including live trapping), avian surveys (migratory, sage-brush obligates, and raptors), bat surveys and others. **Minimum Qualifications:** Must have at least 2 years of college coursework in biology, botany, zoology or other natural resource-related field. Exceptions can be made based on level of non-academic experience or other considered factors. Some experience using field equipment (e.g., compass, clinometer, maps, camera, GPS unit). Be able to collect data accurately and pay attention to detail. Be able to work effectively and cooperatively with others while working in harsh conditions. Position requires working outdoors, on an active military training area. Position requires the physical and mental 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). Possess a valid driver's license and be able to safely operate 4X4 vehicles on rough dirt roads if needed. **To Apply:** E-mail (preferred) or mail a cover letter and resume, copy of college transcripts (unofficial is accepted), contact information, and three references (preferred) to Kevin Warner, Environmental Management Office, State of Idaho Military Division, Gowen Field, Bldg 518, 4715 South Byrd Street, Boise, Idaho 83705-8095 or [Kevin.s.warner@us.army.mil](mailto:Kevin.s.warner@us.army.mil). Any questions please email or call (208) 272-4181.

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# ISU Newsletter

**Idaho State  
UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF MARCH 25, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

There will NOT be a Department of Biological Sciences Faculty Meeting on Tuesday, March 27, 2012.

## SEMINARS

**Dr. Marc Benson**, (Visiting Assistant Professor, Department of Biology, Truman State University, AND Postdoctoral Fellow, Department of Molecular Microbiology and Immunology, University of Missouri School of Medicine) a candidate for the Microbiology position in the Department of Biological Sciences, will present his seminar, "Identification and characterization of the zinc uptake regulator in *Pseudomonas aeruginosa*," on **Monday, April 2, 2012, at 12:00 PM in Lecture Center 10.**

## PUBLICATIONS

Beard RS Jr, Reynolds JJ, **Bearden SE**. 2012. Metabotropic glutamate receptor 5 mediates phosphorylation of vascular endothelial cadherin and nuclear localization of  $\beta$ -catenin in response to homocysteine. *Vascular Pharmacology*. Mar;56(3-4):159-67.

## DEPARTMENT NEWS

**Dr. Jean Pfau** and her graduate students, **Kinta Serve** and **Ryan Marcum**, traveled to San Francisco, California, March 11-15, 2012, for the Society of Toxicology annual meeting. They presented four posters, two of which also included ISU undergraduate researchers as co-authors. Student authors are underlined.

The posters were as follows:

- Ryan Marcum and Jean Pfau. Effects of glutamate on B1a B cell function.
- Erin Birch, Kinta Serve and Jean Pfau. Comparison of serum autoantibody prevalence in asbestos-exposed populations.
- Kinta Serve, Rob Crouch, and Jean Pfau. Asbestos-induced mesothelial cell autoantibodies promote collagen matrix formation.
- Jean Pfau, Kinta Serve, Kim Rowse, Jennifer Fortner, Brad Black. Community Research Rally bring toxicology education to a rural community impacted by asbestos exposure.

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## OPPORTUNITIES

**The Sacajawea Interpretive, Cultural and Educational Center in Salmon, Idaho** (through a grant from the US Fish and Wildlife Service) is offering one 15-week, college level internship related to aquatic resource education. In addition to \$3,000 in total wages, this position offers per diem reimbursement, free housing, the use of a vehicle for the duration of employment, and opportunities to “shadow” natural resources professionals from Idaho Fish and Game, US Forest Service, Bureau of Land Management and others during the summer field season. This internship begins mid-May and runs through mid-August. Exact start and end dates are flexible. Average hours of work per week will be 20, leaving ample time to enjoy hiking, fishing, rafting and camping in beautiful Salmon River country. **Applicants for this internship must be 18-25 years old**, be currently enrolled in a college or university, and have completed at least one semester. Preference will be given to individuals majoring in fisheries, wildlife or other natural resources related area. Interested individuals may contact the Center to have application form emailed to them personally. If you have any questions or would like additional information, please contact the Sacajawea Center at [sacajaweacenterinternship@gmail.com](mailto:sacajaweacenterinternship@gmail.com) or call (208) 756-1188.

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**Montana Fish Wildlife & Parks** are seeking **professional volunteers** to assist with the **Montana Gray Wolf Conservation and Management Program** (<http://fwp.mt.gov/fishAndWildlife/management/wolf/>). **Work Environment:** Work is conducted throughout western Montana. 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. **Work Schedule:** Highly variable, but hitches are loosely based on 10 days on/4 days off. **Duration:** May - October, but may vary depending upon conditions, volunteer availability, and project funding. **Duties:** Conduct wolf surveys. Monitor wolf activities in livestock areas and associated hazing or harassing wolves. May assist with capture and radio collaring wolves, conduct reproductive surveys, locate and collect data from wolf home sites. **These qualifications are ABSOLUTELY necessary, because of the remote and independent nature of the fieldwork in difficult climate and topography:** Volunteers must be able to hike 15+ miles daily in steep terrain. Strong ability and desire to backpack, camp, and work and live for extended periods of time in remote settings. Possess a great ability to get along working and living with others in backcountry settings for 1-3 week time periods. Proficient at orienteering (map, compass, gps). Completion of or enrollment in college/university wildlife, or closely related curriculum. Must hold valid driver's license. **The following skills and abilities are additionally helpful:** Experience in radio telemetry in mountainous terrain. Capture and handling/processing of wildlife. **Application Period:** Apply Now! Candidates will be selected in March. **How to Apply:** Cover letter detailing your ability to fit the Duties and Qualifications and your period of availability; Resume; and List of names and contact information of 3 references. Email this info to: [klaudon@mt.gov](mailto:klaudon@mt.gov).

**GSK, a major pharmaceutical and health products company in Philadelphia PA and Raleigh NC, has recently posted some summer internships that may be of interest to Chemistry and Biology students.** They vary in qualifications - looking for undergraduates and/or graduate students. If interested, apply on the GSK website: [www.gsk.com](http://www.gsk.com) and go to the career page.

## JOB OPPORTUNITIES

**Seasonal Range/ Invasive Plant Management Work. USDA Forest Service, Uncompahgre National Forest. Ouray Ranger District, Montrose Colorado and Norwood Ranger District, Norwood Colorado. Range/Biological (Weeds) Technician:** Multiple vacancies are available for the field season of 2012. Work is expected to run May-November (dates are negotiable). **Duty Station:** Montrose, CO (housing may be available). Earn \$12-15/ hour on a 40-hour work week with some opportunities for overtime. **Position Description:** Quality applicant skill sets may include plant identification, inventory using GPS units, monitoring vegetation with a variety of sampling procedures, competency in ArcGIS, and report writing skills. May involve strenuous labor at elevations ranging from 4,000 to 12,000 plus feet. Work involves regular and recurrent exposure to operating equipment such as OHV's, utility and horse trailers, chainsaws, 4x4 vehicles, horses, and other specialized equipment. Field duties include invasive plant management using chemical, mechanical, and biological applications. Rangeland/wildlife improvement projects including construction/decommissioning of fences and water developments, vegetation monitoring, and vegetation establishment. Testing for pesticide applicators licenses is required and will be provided. **If the applicant is a full-time student:** Planning to continue enrollment in the fall 2012, then send via e-mail a letter of interest, resume, and 3 references (including phone numbers), and copies of college or high school transcripts ASAP to the address below. **If the applicant will not be a returning student in the fall or is not a student:** The application process is through AVUE Digital Services, Online Application; website: [www.avuedigitalservices.com](http://www.avuedigitalservices.com). Look for Open Continuous Recruitment announcements: (nationwide/multiple locations) – Select Montrose, CO or Norwood, CO as area for consideration. For additional information, contact Kelley Liston, 970.240.5408 [kliston@fs.fed.us](mailto:kliston@fs.fed.us) or Brian Hoefling, 970.327.4261 [bhoefling@fs.fed.us](mailto:bhoefling@fs.fed.us).

**The Idaho Department of Fish and Game** is recruiting for the position of **Conservation Officer** for statewide openings until **Friday, April 13, 2012**. The announcement is located at the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00864046149](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00864046149). Applications will only be accepted through this website. EEO/Vets Preference

**Intermountain Aquatics** is looking for hard working people to assist with a **habitat restoration project in Grand Teton National Park** this summer 2012. Depending on weather and conditions on site this position will most likely begin on June 4, 2012, and end around July 15, 2012. The work involves long hours planting, moving, and caring for a variety of wetland native plant species on site. Landscaping and physical labor experience is preferred but not necessarily required. This has been an ongoing IMA project for several years and workers will be required to camp on site. Transportation to the site is typically not provided, however, employees have carpooled from Driggs in the past. Free passes into the park are provided. This is an excellent opportunity for those interested or seeking careers in landscaping, habitat restoration, or biology. If you enjoy camping and would like a seasonal job working in Teton National Park, please contact me through my email: [ian@intermountainaquatics.com](mailto:ian@intermountainaquatics.com). You can also check out more about our company and the type of work we do at [www.intermountainaquatics.com](http://www.intermountainaquatics.com).

**Granite Seed and Erosion Control** currently has an open position for a seed and erosion control salesperson/consultant. Granite Seed specializes in supplying seed, erosion control products, and environmental consulting to the reclamation/restoration, turf and pasture industry. Our clientele is primarily located in the Western US and includes federal and state agencies, private industry, private and public land managers and others who engage in land management, reclamation, restoration, pasture and turf. Candidates should be knowledgeable in plant ecology and identification, land management principles, revegetation and erosion control techniques, enjoy working with people and natural resource systems, possess good communication skills, and be well-versed in computer operations. Sales experience and/or management skills are a plus. The position is based in our home office along the Wasatch Mountains in Lehi, Utah, on the outskirts of Salt Lake City. Compensation package includes salary and generous benefits, including: paid holidays, paid vacation days, company-paid health insurance for the employee and family,

company funded retirement plan, plus the opportunity to work with a fun group of people in an exciting industry. **Interested applicants should contact/email a resume to:** William Agnew, President, Granite Seed and Erosion Control, 1697 West 2100 North, Lehi, UT 84043. **Telephone:** 801.768.4422. **Email:** [bill@graniteseed.com](mailto:bill@graniteseed.com).

**2012 Sawtooth National Forest Summer Fisheries Positions.** **Duration:** Early June to September/October (somewhat flexible). **Number of Positions:** 1-2. **Location:** Stanley ID and/or Fairfield ID. **Pay:** 13-15 dollars per hour + per diem while camping. **If Interested Apply at:** [www.avuedigitalservices.com](http://www.avuedigitalservices.com). **Select Job number:** OCRT-404-4-FISH-DT and/or OCRT-404-5-FISH-DT. **Make sure to select:** Fairfield, Ketchum and/or Stanley as Duty station. **For additional Information** about applying or if you have additional questions regarding the positions please contact: Scott W. Vuono @ 208-727-5034 or [svuono@fs.fed.us](mailto:svuono@fs.fed.us) or Erika Phillips @ 208-622-0094.

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## PAYROLL INFORMATION

**Our next pay period ends Saturday, March 31, 2012.** Please be sure to **submit your time by Monday, April 2, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, April 3, 2012,** when time cards are due to Payroll.



# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF MARCH 18, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, March 20, 2012**, in the **Plant Sciences 114 at noon**.

## SEMINARS

**Dr. Matthew L. Ellison** (Research Associate, Department of Microbiology and Immunology, The Brody School of Medicine at East Carolina University) a **candidate for the Microbiology position in the Department of Biological Sciences**, will present his seminar, "Identification and characterization of the zinc uptake regulator in *Pseudomonas aeruginosa*," on **Monday, March 19, 2012**, at **12:00 PM** in **Lecture Center 10**.

## UPCOMING EVENTS

Upcoming candidate seminars for the Microbiology position to be held in Lecture Center 10:

- Dr. Marc Benson, Visiting Assistant Professor, Department of Biology, Truman State University, AND Postdoctoral Fellow, Department of Molecular Microbiology and Immunology, University of Missouri School of Medicine, Monday, April 2, 2012, at 12:00 PM.

**Idaho State University Undergraduate Student Research Symposium** is set for **April 4, 3-5:30 p.m.** in the **Wood River Room** of the **Pond Student Union**. Light refreshments will be served. **ISU Graduate Research and Creative Excellence Symposium** is set for **April 5, 3-5:30 p.m.** in the **Wood River Room** of the **Pond Student Union**. Light refreshments will be served.

**10<sup>th</sup> Annual Dubois Grouse Day, April 27-28, 2012, Dubois, Idaho.** Celebrate sage grouse and the beautiful sagebrush steppe ecosystem they occupy. Festival fees are \$35 in advance or \$40 at the door (children 12 and under free) and include all festival activities. **For more information contact:** Jeff Liday at [jeff\\_liday\\_179@hotmail.com](mailto:jeff_liday_179@hotmail.com). **Register at:** [www.grouseclays.org](http://www.grouseclays.org).

## 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 is a non-profit organization formed in 1986 by a group of volunteers concerned for the future of Washington Lakes. WALPA will award one \$1000 scholarship and one \$750 scholarship in May, 2012. **For more information regarding application process go to:** <http://www.walpa.org/student-scholarships/>. **Deadline for application: April 27, 2012.**

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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. **Work Schedule:** Highly variable, but hitches are loosely based on 10 days on/4 days off. **Duration:** May - October, but may vary depending upon conditions, volunteer availability, and project funding.

**Duties:** Conduct wolf surveys. Monitor wolf activities in livestock areas and associated hazing or harassing wolves. May assist with capture and radio collaring wolves, conduct reproductive surveys, locate and collect data from wolf home sites. **These qualifications are ABSOLUTELY necessary, because of the remote and independent nature of the fieldwork in difficult climate and topography:** Volunteers must be able to hike 15+ miles daily in steep terrain. Strong ability and desire to backpack, camp, and work and live for extended periods of time in remote settings. Possess a great ability to get along working and living with others in backcountry settings for 1-3 week time periods. Proficient at orienteering (map, compass, gps). Completion of or enrollment in college/university wildlife, or closely related curriculum. Must hold valid driver's license. **The following skills and abilities are additionally helpful:** Experience in radio telemetry in mountainous terrain. Capture and handling/processing of wildlife. **Application Period:** Apply Now! Candidates will be selected in March. **How to Apply:** Cover letter detailing your ability to fit the Duties and Qualifications and your period of availability; Resume; and List of names and contact information of 3 references. Email this info to: [klaudon@mt.gov](mailto:klaudon@mt.gov).

**GSK, a major pharmaceutical and health products company in Philadelphia PA and Raleigh NC, has recently posted some summer internships that may be of interest to Chemistry and Biology students.** They vary in qualifications - looking for undergraduates and/or graduate students. If interested, apply on the GSK website: [www.gsk.com](http://www.gsk.com) and go to the career page.

## JOB OPPORTUNITIES

**Granite Seed and Erosion Control** currently has an open position for a seed and erosion control salesperson/consultant. Granite Seed specializes in supplying seed, erosion control products, and environmental consulting to the reclamation/restoration, turf and pasture industry. Our clientele is primarily located in the Western US and includes federal and state agencies, private industry, private and public land managers and others who engage in land management, reclamation, restoration, pasture and turf. Candidates should be knowledgeable in plant ecology and identification, land management principles, revegetation and erosion control techniques, enjoy working with people and natural resource systems, possess good communication skills, and be well-versed in computer operations. Sales experience and/or management skills are a plus. The position is based in our home office along the Wasatch Mountains in Lehi, Utah, on the outskirts of Salt Lake City. Compensation package includes salary and generous benefits, including: paid holidays, paid vacation days, company-paid health insurance for the employee and family, company funded retirement plan, plus the opportunity to work with a fun group of people in an exciting industry. **Interested applicants should contact/email a resume to:** William Agnew, President, Granite Seed and Erosion Control, 1697 West 2100 North, Lehi, UT 84043. **Telephone:** 801.768.4422. **Email:** [bill@graniteseed.com](mailto:bill@graniteseed.com).

**Wildlands CPR is seeking two Road Ecologist Field Technicians** to support our road reconnaissance work on the Lolo National Forest in western Montana. Field Technicians will be members of a two-person field crew that will conduct road reconnaissance surveys of abandoned Forest Service roads for hydrologic hazards, noxious weeds, and wildlife sign. Additional work includes inventorying and monitoring the effectiveness of past road decommissioning treatments. This is a six month position from beginning of May to end of October. **Minimum Qualifications:** A minimum of a BS/BA degree in hydrology, natural sciences, or related field. **Application Procedure:** Submit the following document via email to Adam Switalski, Science Program Director at [adam@wildlandscpr.org](mailto:adam@wildlandscpr.org). (1) Cover letter including information about interests, qualifications, and dates of availability. (2) Resume with three references. (3) College transcript (or list of relevant coursework). **Review of Applications will begin March 19, 2012. For more information:** [www.wildlandscpr.org](http://www.wildlandscpr.org).

**Idaho Power Company - Environmental (Archaeology) Intern (Tracking Code 1722). Job**

**Description:** This is a temporary, 10-week summer internship opportunity with a start and end date to be determined by the successful candidate's class schedule. Must be a currently enrolled, degree seeking college student. The successful candidate will function as an archaeological technician/cultural resource specialist and will assist the full-time Idaho Power archaeology staff in all aspects of the company's cultural resource management program, including assisting with small scale surveys, annual site monitoring, artifact analysis, report writing, and site testing through limited excavation. **Salary:** \$14.00 – 16.00 (non-exempt).

**Application Deadline Tuesday, March 20, 2012 (5:00 p.m. MST).** For more information:

[https://www.idahopower.com/Careers/CareerOpportunities/default.cfm?WT.mc\\_id=CC00001](https://www.idahopower.com/Careers/CareerOpportunities/default.cfm?WT.mc_id=CC00001) and then click on Environmental link.

**Idaho Power Company - Environmental Tech I (Intern), Boise, ID (Tracking Code 1723). Job**

**Description:** Temporary, 12-week summer internship opportunity with start and end date determined by successful candidate's class schedule. Must be currently enrolled, degree seeking college student. This is a Student Intern position to assist Idaho Power Company biologists with population monitoring of white sturgeon in the middle Snake River between C.J. Strike and Lower Salmon Falls dams. This position is designed for undergraduate college students seeking on-the-job experience in fisheries data collection and presents an exciting opportunity to study the largest freshwater fish in North America. The Intern will be part of 2-3 person, supervised field crew, assisting biologists with sampling of juvenile and adult white sturgeon, deploying gill nets and baited setline gear from jet boats, and recording various fish metrics to assess population demographics. **Salary:** \$13.40 – 15.85 (non-exempt). **Application Deadline Tuesday, March 20, 2012 (5:00 p.m. MST).** For more information:

[https://www.idahopower.com/Careers/CareerOpportunities/default.cfm?WT.mc\\_id=CC00001](https://www.idahopower.com/Careers/CareerOpportunities/default.cfm?WT.mc_id=CC00001) and then click on Environmental link.

**Idaho Power Company - Environmental Technician II (Archaeologist) - SEASONAL (Tracking Code 1721). Job Description:**

This opening is a temporary seasonal job, recurring annually (typically between May and October). The successful candidate will function as an archaeological technician/cultural resource specialist and will assist the full-time Idaho Power archaeology staff in all aspects of the company's cultural resource management program, including assisting with small scale surveys, annual site monitoring, artifact analysis, report writing, and site testing through limited excavation. **Salary:** \$16.76 - 20.18. **Application Deadline Thursday, March 22, 2012 (5:00 p.m. MST).** For more information:

[https://www.idahopower.com/Careers/CareerOpportunities/default.cfm?WT.mc\\_id=CC00001](https://www.idahopower.com/Careers/CareerOpportunities/default.cfm?WT.mc_id=CC00001) and then click on Environmental link.

**Fuels Crew Member, Inventory/Monitoring Technician - Bureau of Land Management - Pocatello**

**Field Office, Fuels Management Program.** Pay depends on work experience/education (\$11.00 - \$15.00 /hr). Mission of the Bureau of Land Management (BLM) is to sustain health diversity and productivity of public lands for use/enjoyment of present/future generations. Fuels management has taken on a major role in restoration, protection, and health of Public Lands. Objectives for individuals working for the Fuels crew are to measure current conditions and vegetation characteristics using an assortment of inventory techniques to provide land managers useful information to assist in ecosystem restoration. Wildland firefighting is not a requirement for this position. Individuals interested in wildland fire will have to pass an arduous pack test to participate in wildland and prescribed fires. Past fire experience is not required. (Training will be provided). **Work Schedule:** Monday thru Thursday 10 hours per day. Field work is conducted in rugged terrain with possible inclement weather conditions. **Qualifications/Requirements:** Working towards or finished a degree in a biological science or natural resource related field. Knowledge of or the ability to learn plant species occurring within South East Idaho. Experience in or the ability to learn GPS systems. Experience in or ability to learn inventory techniques. Ability to work without close supervision, after training period has ended is required. Ability to read, write, and take legible notes in the field is required. May be other training opportunities involved with a Fuel Technician's position depending on a person

interests (Range, Wildlife, Fisheries, Recreation). **Interested individuals** please send resume to Greg Mann, [gmann@blm.gov](mailto:gmann@blm.gov) or [gmamm@blm.gov](mailto:gmamm@blm.gov). **Any questions**, call (208) 478-6374. **Job closing date Wednesday, March 21, 2012.**

**2012 Sawtooth National Forest Summer Fisheries Positions.** **Duration:** Early June to September/October (somewhat flexible). **Number of Positions:** 1-2. **Location:** Stanley ID and/or Fairfield ID. **Pay:** 13-15 dollars per hour + per diem while camping. **If Interested Apply at:** [www.avuedigitalservices.com](http://www.avuedigitalservices.com). **Select Job number:** OCRT-404-4-FISH-DT and/or OCRT-404-5-FISH-DT. **Make sure to select:** Fairfield, Ketchum and/or Stanley as Duty station. **For additional Information** about applying or if you have additional questions regarding the positions please contact: Scott W. Vuono @ 208-727-5034 or [svuono@fs.fed.us](mailto:svuono@fs.fed.us) or Erika Phillips @ 208-622-0094.

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# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF MARCH 11, 2012**

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## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, March 13, 2012**, in the Plant Sciences 114 at noon.

## SEMINARS

Biology Graduate Student Association (BGSA) will host a **Student Brown Bag Seminar** on **Thursday, March 15, 2012**, at **4:00 PM** in **Lecture Center 10**.

## PUBLICATIONS

Adomako\*\*, M., S. St-Hilaire, Y. Zheng, J. Eley, **R.D. Marcum\***, W. Sealey, B.C. Donahower, S. LaPatra, and **P.P. Sheridan**. 2012. Oral DNA vaccination of rainbow trout, *Oncorhynchus mykiss* (Walbaum), against infectious haematopoietic necrosis virus using PLGA [Poly(D,L-Lactic-Co-Glycolic Acid)] nanoparticles. *Journal of Fish Diseases*. 35:203–214.

## GRANTS AWARDED

**Dr. Shawn Bearden** has been awarded a grant from the National Institutes of Health, National Heart Lung and Blood Institute for the project titled, "Microvascular Dysfunction in Hyperhomocysteinemia."

## UPCOMING EVENTS

**10<sup>th</sup> Annual Dubois Grouse Day, April 27-28, 2012, Dubois, Idaho.** Celebrate sage grouse and the beautiful sagebrush steppe ecosystem they occupy. Festival fees are \$35 in advance or \$40 at the door (children 12 and under free) and include all festival activities. **For more information contact:** Jeff Liday at [jeff\\_liday\\_179@hotmail.com](mailto:jeff_liday_179@hotmail.com). **Register at:** [www.grousedays.org](http://www.grousedays.org).

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## JOB OPPORTUNITIES

**Wildlands CPR is seeking two Road Ecologist Field Technicians** to support our road reconnaissance work on the Lolo National Forest in western Montana. Field Technicians will be members of a two-person field crew that will conduct road reconnaissance surveys of abandoned Forest Service roads for hydrologic hazards, noxious weeds, and wildlife sign. Additional work includes inventorying and monitoring the effectiveness of past road decommissioning treatments. This is a six month position from beginning of May to end of October. **Minimum Qualifications:** A minimum of a BS/BA degree in hydrology, natural sciences, or related field. **Application Procedure:** Submit the following document via email to Adam Switalski, Science Program Director at [adam@wildlandscpr.org](mailto:adam@wildlandscpr.org). (1) Cover letter including information about interests, qualifications, and dates of availability. (2) Resume with three references. (3) College transcript (or list of relevant coursework). **Review of Applications will begin March 19, 2012. For more information:** [www.wildlandscpr.org](http://www.wildlandscpr.org).

**Fuels Crew Member, Inventory/Monitoring Technician - Bureau of Land Management - Pocatello Field Office, Fuels Management Program.** Pay depends on work experience/education (\$11.00 - \$15.00 /hr). Mission of the Bureau of Land Management (BLM) is to sustain health diversity and productivity of public lands for use/enjoyment of present/future generations. Fuels management has taken on a major role in restoration, protection, and health of Public Lands. Objectives for individuals working for the Fuels crew are to measure current conditions and vegetation characteristics using an assortment of inventory techniques to provide land managers useful information to assist in ecosystem restoration. Wildland firefighting is not a requirement for this position. Individuals interested in wildland fire will have to pass an arduous pack test to participate in wildland and prescribed fires. Past fire experience is not required. (Training will be provided). **Work Schedule:** Monday thru Thursday 10 hours per day. Field work is conducted in rugged terrain with possible inclement weather conditions. **Qualifications/Requirements:** Working towards or finished a degree in a biological science or natural resource related field. Knowledge of or the ability to learn plant species occurring within South East Idaho. Experience in or the ability to learn GPS systems. Experience in or ability to learn inventory techniques. Ability to work without close supervision, after training period has ended is required. Ability to read, write, and take legible notes in the field is required. May be other training opportunities involved with a Fuel Technician's position depending on a person

interests (Range, Wildlife, Fisheries, Recreation). **Interested individuals** please send resume to Greg Mann, [gmann@blm.gov](mailto:gmann@blm.gov) or [gmann@blm.gov](mailto:gmann@blm.gov). **Any questions**, call (208) 478-6374. **Job closing date Wednesday, March 21, 2012.**

**2012 Sawtooth National Forest Summer Fisheries Positions.** **Duration:** Early June to September/October (somewhat flexible). **Number of Positions:** 1-2. **Location:** Stanley ID and/or Fairfield ID. **Pay:** 13-15 dollars per hour + per diem while camping. **If Interested Apply at:** [www.avuedigitalservices.com](http://www.avuedigitalservices.com). **Select Job number:** OCRT-404-4-FISH-DT and/or OCRT-404-5-FISH-DT. **Make sure to select:** Fairfield, Ketchum and/or Stanley as Duty station. **For additional Information** about applying or if you have additional questions regarding the positions please contact: Scott W. Vuono @ 208-727-5034 or [svuono@fs.fed.us](mailto:svuono@fs.fed.us) or Erika Phillips @ 208-622-0094.

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# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF MARCH 4, 2012**

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## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, March 6, 2012**, in the **Plant Sciences 114** at **noon**.

## GRANTS SUBMITTED

**Proposal submitted to the URC:**

“D2 Dopamine Receptors and Demand for Food in Obese Zucker Rats and Humans: A Translational Study.” (Co-PI) **Janet Loxterman** and (Co-PI) Erin Rasmussen (Department of Psychology).

**Pre-proposal submitted to the American Kennel Club Health Foundation:**

“Development of Techniques for Orthopedic Assessment of Cranial Cruciate Ligament Disease: Combining Ultrasound, Gait Analysis, and Center of Mass Measurements.” (PI) **Ken Rodnick**, (Co-PI) **Curt Anderson**, (Co-PI) Rena Carlson (Attending Veterinarian), (Co-PI) Mary Hofle (Department of Mechanical Engineering)

## PUBLICATIONS

**G. Wayne Minshall**. February 15, 2012. WILDERNESS BROTHERS: Prospecting, Horse Packing, & Homesteading. Streamside Scribe Press.

## UPCOMING EVENTS

**10<sup>th</sup> Annual Dubois Grouse Day, April 27-28, 2012, Dubois, Idaho**. Celebrate sage grouse and the beautiful sagebrush steppe ecosystem they occupy. Festival fees are \$35 in advance or \$40 at the door (children 12 and under free) and include all festival activities. **For more information contact:** Jeff Liday at [jeff\\_liday\\_179@hotmail.com](mailto:jeff_liday_179@hotmail.com). **Register at:** [www.grousedays.org](http://www.grousedays.org).

## 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 is a non-profit organization formed in 1986 by a group of volunteers concerned for the future of Washington Lakes. WALPA will award one \$1000 scholarship and one \$750 scholarship in May, 2012. **For more information regarding application process go to:** <http://www.walpa.org/student-scholarships/>. **Deadline for application:** April 27, 2012.

**Montana Fish Wildlife & Parks** are seeking **professional volunteers** to assist with the **Montana Gray Wolf Conservation and Management Program** (<http://fwp.mt.gov/fishAndWildlife/management/wolf/>). **Work Environment:** Work is conducted throughout western Montana. 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. **Work Schedule:** Highly variable, but hitches are loosely based on 10 days on/4 days off. **Duration:** May - October, but may vary depending upon conditions, volunteer availability, and project funding. **Duties:** Conduct wolf surveys. Monitor wolf activities in livestock areas and associated hazing or harassing wolves. May assist with capture and radio collaring wolves, conduct reproductive surveys, locate and collect data from wolf home sites. **These qualifications are ABSOLUTELY necessary, because of the remote and independent nature of the fieldwork in difficult climate and topography:** Volunteers must be able to hike 15+ miles daily in steep terrain. Strong ability and desire to backpack, camp, and work and live for extended periods of time in remote settings. Possess a great ability to get along working and living with others in backcountry settings for 1-3 week time periods. Proficient at orienteering (map, compass, gps). Completion of or enrollment in college/university wildlife, or closely related curriculum. Must hold valid driver's license. **The following skills and abilities are additionally helpful:** Experience in radio telemetry in mountainous terrain. Capture and handling/processing of wildlife. **Application Period:** Apply Now! Candidates will be selected in March. **How to Apply:** Cover letter detailing your ability to fit the Duties and Qualifications and your period of availability; Resume; and List of names and contact information of 3 references. Email this info to: [klaudon@mt.gov](mailto:klaudon@mt.gov).

**GSK, a major pharmaceutical and health products company in Philadelphia PA and Raleigh NC, has recently posted some summer internships that may be of interest to Chemistry and Biology students.** They vary in qualifications - looking for undergraduates and/or graduate students. If interested, apply on the GSK website: [www.gsk.com](http://www.gsk.com) and go to the career page.

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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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# ISU

# Newsletter

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**ANNOUNCEMENTS FOR THE WEEK OF FEBRUARY 26, 2012**

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## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, February 28, 2012**, in the Plant Sciences 114 at noon.

## SEMINARS

**Dr. Jessica Cable** (International Arctic Research Center, University of Alaska-Fairbanks), a **candidate for the Plant Physiological Ecology position in the Department of Biological Sciences**, will present her seminar, "Sonoran Desert to Boreal Forest: The Impact of Water Availability on Ecophysiology in Hot and Cold Semiarid Systems" on **Monday, February 27, 12:00 Noon** in **Lecture Center 10**.

**Dr. Patrick Sullivan** (Environment and Natural Resources Institute, University of Alaska-Anchorage), a **candidate for the Plant Physiological Ecology position in the Department of Biological Sciences**, will present his seminar, "Causes and Consequences of Changes in Treeline" on **Thursday, March 1, 4:00 PM** in **Lecture Center 10**.

## PRESENTATIONS

**Dr. Jeff Meldrum** delivered two invited seminars, the first for ISU Continuing Education's New Knowledge Adventures, "The Search for Bigfoot," February 16, 2012; the second for the Anthropology Colloquium Series, "Midfoot Flexibility, Fossil Footprints, and Sasquatch Steps: New Perspectives on the Evolution of Bipedalism," February 17, 2012.

## UPCOMING EVENTS

**The 26th National Conference on Undergraduate Research (NCUR) will be held at Weber State University, Ogden, Utah on March 29-March 31, 2012.** You are invited to participate in the Graduate School Fair which will be held during the conference on Thursday, March 29 and Friday, March 30 from 12:00-5:00 PM each day. It is anticipated that over 3,000 student presenters from around the country will attend, as well as their faculty mentors. For registration information, please visit [http://weber.edu/ncur2012/dropdowns/grad\\_fair.html](http://weber.edu/ncur2012/dropdowns/grad_fair.html). **Early bird registration will be held from now until January 27, 2012. Registration closes on March 1, 2012.** Space is limited and registration for the fair is on a first come, first served basis.

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**Summer 2012 Paid Internship Opportunity Wildlife Brigade, Grand Teton National Park.** The Greater Yellowstone Coalition and National Park Service are partnering to offer a great opportunity for undergraduate students, graduate students, or recent graduates interested in interpretation and/or park management. Applications are sought to fill one paid internship position in Grand Teton National Park. The successful applicant will assist National Park Service staff in providing a safe wildlife viewing environment for visitors and wildlife along park roads, in developed areas and on popular trails. **Interested candidates should submit the 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 requested materials to** [jobs@greateryellowstone.org](mailto:jobs@greateryellowstone.org), and be sure to put “your name” and “Wildlife Brigade Intern” in the subject line to insure proper delivery. **Requested materials are due by midnight (MST) on February 27, 2012.** Before hiring, a background check will be required. Questions should be directed to Chris Colligan at (307)734-0633.

**3<sup>rd</sup> Summer of NSF-funded Research Experiences of Undergraduates (REU) program entitled, Training and Experimentation in Computational Biology (TECBio): Simulation and Visualization of Biological Systems at Multiple Scales.** This is a 10-week summer program hosted by the Department of Computational and systems Biology in the School of Medicine at the University of Pittsburgh. For more information: [www.tecbioreu.pitt.edu](http://www.tecbioreu.pitt.edu). **Deadline for application is March 2, 2012.**

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## SEMINARS

**Dr. Eric Keeling** (Postdoctoral Research Associate at the Cary Institute for Ecosystem Studies in Millbrook, NY), a **candidate for the Plant Physiological Ecology position in the Department of Biological Sciences**, will present his seminar, "Fire, climate, bugs – Will forests be resilient to global change?" on **Thursday, February 23, 4:00 PM** in **Lecture Center 10**.

## PUBLICATIONS

Tracy J. Farnsworth, Alan C. Frantz, and **Ronald W. McCune**. 2012. Community-based distributive medical education: Advantaging society. Med Educ Online, 2012, 17: 8432- DOI: 10.3402/meo.v17i0.8432. URL <http://med-ed-online.net/index.php/meo>

## DEPARTMENT NEWS

**Dr. Colden Baxter** traveled to the Cary Institute of Ecosystem Studies in Millbrook, New York, January 25-27, 2012, to give an invited lecture entitled, "Spatial complexity and connectivity in river-riparian food webs."

## UPCOMING EVENTS

Upcoming candidate seminars for the **Plant Physiological Ecology position** to be held in **Lecture Center 10**:

- **Dr. Jessica Cable**, International Arctic Research Center, University of Alaska-Fairbanks, **Monday, February 27, 2012, at 12:00 noon**.
- **Dr. Patrick Sullivan**, Environment and Natural Resources Institute, University of Alaska-Anchorage, **Thursday, March 1, 2012, at 4:00 PM**.

The Idaho State University chapter of Psi Chi will be hosting the **Southeastern Idaho Psi Chi Research Conference on March 23, 2012 in Pocatello, ID**. Undergraduates are strongly encouraged to submit a presentation (either oral or poster), however graduate students may also present. Please encourage students in your lab to participate! This is a great way for them to get some research presentation experience! The **abstract deadline is February 24, 2012**, however we will accept late submissions (but these submissions will not be included in the conference booklet). Dr. Jonathan Prather, from the Department of Zoology and Physiology at the University of Wyoming, is the invited speaker. Dr. Prather studies the neural mechanisms of communication in songbirds. For more information about the conference,

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**Summer 2012 Paid Internship Opportunity Wildlife Brigade, Grand Teton National Park.** The Greater Yellowstone Coalition and National Park Service are partnering to offer a great opportunity for undergraduate students, graduate students, or recent graduates interested in interpretation and/or park management. Applications are sought to fill one paid internship position in Grand Teton National Park. The successful applicant will assist National Park Service staff in providing a safe wildlife viewing environment for visitors and wildlife along park roads, in developed areas and on popular trails. The individual selected for this paid, full-time summer position will gain significant knowledge related to animal behavior, bear management, natural history, and park and recreation management. **Interested candidates should submit the 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 requested materials to** [jobs@greateryellowstone.org](mailto:jobs@greateryellowstone.org), and be sure to put "your name" and "Wildlife Brigade Intern" in the subject line to insure proper delivery. **Requested materials are due by midnight (MST) on February 27, 2012.** Before hiring, a background check will be required. Questions should be directed to Chris Colligan at (307)734-0633.

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## JOB OPPORTUNITIES

**2012 Sawtooth National Forest Summer Fisheries Positions.** **Duration:** Early June to September/October (somewhat flexible). **Number of Positions:** 1-2. **Location:** Stanley ID and/or Fairfield ID. **Pay:** 13-15 dollars per hour + per diem while camping. **If Interested Apply at:** [www.avuedigitalservices.com](http://www.avuedigitalservices.com). **Select Job number:** OCRT-404-4-FISH-DT and/or OCRT-404-5-FISH-DT. **Make sure to select:** Fairfield, Ketchum and/or Stanley as Duty station. **For additional Information** about applying or if you have additional questions regarding the positions please contact: Scott W. Vuono @ 208-727-5034 or [svuono@fs.fed.us](mailto:svuono@fs.fed.us) or Erika Phillips @ 208-622-0094.

**Seasonal Employment Opportunities Natural Resources Summer 2012 Willamette National Forest Detroit Ranger District.** There will be several natural resource job opportunities on the Detroit Ranger District in Detroit, Oregon this upcoming field season. Positions available may include Biological Science Technician (Botany) GS-04/05; Biological Science Technician (Wildlife) GS-04/05; Biological Science Technician (Fisheries) GS-04/05; and Hydrologic Technician GS-04/05. Crews will be stationed at Detroit, Oregon. Government provided housing may be available at Detroit. Cost is approximately \$120/month. **Deadline for applications is Thursday, March 15, 2012. Applicants can apply online at** <https://www.avuedigitalservices.com>.

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# ISU

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**ANNOUNCEMENTS FOR THE WEEK OF FEBRUARY 5, 2012**

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## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, February 7, 2012**, in the Plant Sciences 114 at noon.

## SEMINARS

**Dr. Randy Brutkiewicz** (Assistant Dean for Faculty Affairs and Professional Development, and Professor, Department of Microbiology & Immunology, Indiana University School of Medicine), **a candidate for the Chair position in the Department of Biological Sciences**, will present his seminar, "Immune Evasion and Cell Signaling Pathways," on **Thursday, February 9, 2012, at 4:00 PM in Lecture Center 10**. He will also participate in a brown bag discussion with Biology faculty members, "Leadership style and opportunities," on **Friday, February 10, 2012, at noon in Lecture Center 10**. A departmental potluck dinner will be held in the home of Ernest Keeley & Janet Loxterman at 6:30pm on Friday; please visit the Biology office for directions and details. If you would like more information about Dr. Brutkiewicz, or would like to request a meeting, please speak with Noreen King.

## AMERICAN HEART ASSOCIATION (AHA) PREPROPOSALS SUBMITTED

**Dr. Jason Pilarski**: "A pre-clinical model for studying the neurophysiology and neuroplasticity of brainstem breathing control: understanding respiratory disease following chronic perturbations." (PI) **Jason Pilarski**, Idaho State University; (co-PI) **Chris Cretekos**, Idaho State University; (co-PI) **Curt Anderson**, Idaho State University; (co-PI) **Vern Winston**, Idaho State University.

## UPCOMING EVENTS

**Division of Health Sciences Research Day, CROSSING THE BOUNDARIES THROUGH THE DISCIPLINES, March 16, 2012, 8:30 AM - 1:30 PM.** Poster presentation in Ballroom, Pond Student Union 10:30 AM. **Proposal submissions are due February 15, 2012.** For more information go to <http://www.isu.edu/healthsciences/research/researchday.shtml>.

**The Idaho State University chapter of Psi Chi will be hosting the Southeastern Idaho Psi Chi Research Conference on March 23, 2012 in Pocatello, ID.** Undergraduates are strongly encouraged to submit a presentation (either oral or poster), however graduate students may also present. Please encourage students in your lab to participate! This is a great way for them to get some research presentation experience! The **abstract deadline is February 24, 2012**, however we will accept late submissions (but these submissions will not be included in the conference booklet). Dr. Jonathan Prather, from the Department of Zoology and Physiology at the University of Wyoming, is the invited speaker. Dr. Prather studies the neural mechanisms of communication in songbirds. For more information about the conference, and to register, please go to: <http://seidpcrc.weebly.com/>. For more information about Psi Chi, visit: <http://psichi.org>. Please email with any questions you may have ([psichi@isu.edu](mailto:psichi@isu.edu)).

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## OPPORTUNITIES

**The US Department Energy's Office of Energy Efficiency and Renewable Energy is pleased to announce the 2012 Geothermal Student Competition.** The Competition is designed to support, inspire, and promote innovation, exploration, and entrepreneurship among the nation's emerging young thinkers. **The Challenge:** Undergraduate and graduate student teams, guided by a faculty member in the role of mentor, are challenged to conduct a professional-quality assessment of the Snake River Plain site in Idaho using innovative exploration technologies. Research should be based on the case study analysis provided using one or more of the following exploration technologies: (1) geophysics, (2) geochemistry, (3) remote sensing; and (4) geology. Please note: faculty should be providing limited support. This is intended to be a student competition. **Who Should Apply?** The Competition is open to undergraduate and graduate students in science, engineering and business programs of study. **Where do I Apply?** The Competition application, guidelines, and copies of the case study can all be found on the Competition website <http://orise.orau.gov/geothermal>. **Please contact Dr. Desmond Stubbs, Program Manager by email [Desmond.Stubbs@orau.org](mailto:Desmond.Stubbs@orau.org) or by phone (865) 603-2461. Application Due Date: Friday, February 10, 2012.**

**The Center for Environmental Farming Systems (CEFS) Summer Sustainable Agriculture Internship Program, Goldsboro, NC.** 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. As part of their research experience, each intern will be mentored by NCSU, NCA&TSU and NCDA&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. **Deadline to apply for the CEFS Summer Internship Program is Wednesday, February 15, 2012.** Visit [www.cefs.ncsu.edu](http://www.cefs.ncsu.edu) for more information or contact Lisa Forehand ([lisa\\_forehand@ncsu.edu](mailto: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. **Deadline for student applications is Wednesday, February 15, 2012.** Program website: <http://www.ehrep.washington.edu>. Program poster: <http://depts.washington.edu/ehug/documents/ehrep2012.pdf>.

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**ANNOUNCEMENTS FOR THE WEEK OF FEBRUARY 12, 2012**

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## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, February 14, 2012**, in the Plant Sciences 114 at noon.

## SEMINARS

**Dr. Keith Reinhardt** (Postdoctoral Research Fellow, Idaho State University) a **candidate for the Plant Physiological Ecology position in the Department of Biological Sciences**, will present his seminar, "Global Change Ecology: Ecophysiological Perspectives from Leaf to Ecosystem," on **Thursday, February 16, 4:00 PM** in **Lecture Center 10**.

## PUBLICATIONS

**Peter Hallock** and **Michael A. Thomas**. 2012. Integrating the Alzheimer's Disease Proteome and Transcriptome: A Comprehensive Network Model of a Complex Disease. *OMICS: A Journal of Integrative Biology*, Vol. 16, No. 1-2, January 2012: 37-49.

**Meldrum, Jeff**. 2012. Adaptive radiations, bushy evolutionary trees, and relict hominoids. *The Relict Hominoid Inquiry* 1:51-56. This is the inaugural editorial in the first volume of the on-line, free access, refereed journal, *The Relict Hominoid Inquiry*, ISSN 2165-770X. <http://www.isu.edu/rhi/>.

**Congratulations to all the faculty in Biological Sciences!** 2011 was a record high year for publications- at last count we produced 74 peer-reviewed publications in a wide variety of journals and books, many of which were co-authored with graduate and undergraduate students.

## DEPARTMENT AWARDS

**Erin O'Leary-Jepsen**, Managing Director of the Molecular Research Core Facility, received an NSF-Sponsored Satellite Educational Workshop Travel Award to attend the Satellite Educational Workshop, SW3: "One Day Business Skills Workshop for Core Facility Directors and Managers," that will be held on **March 17, 2011**, in Orlando FL. The award covers the registration fee for the satellite workshop and provides 2 nights hotel reimbursement and up to \$700.00 for travel expenses, for a total award of about \$1400. The satellite workshop is a component of the annual meeting of the Association of Biomolecular Resource Facilities.

## UPCOMING EVENTS

Upcoming candidate seminars for the **Plant Physiological Ecology position** to be held in **Lecture Center 10**:

- **Dr. Eric Keeling**, Cary Institute of Ecosystem Studies, **Thursday, February 23, 2011, at 4:00 PM**.

- **Dr. Jessica Cable**, International Arctic Research Center, University of Alaska-Fairbanks, **Monday, February 27, 2012, at 12:00 noon.**
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Department of Biological Sciences

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**ANNOUNCEMENTS FOR THE WEEK OF JANUARY 29, 2012**

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## FACULTY/STAFF/OTHER MEETINGS

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## SEMINARS

**Dr. Lonnie Guralnick** (Assistant Dean, College of Math & Natural Sciences, and Professor of Biology, Roger Williams University), a candidate for the Chair position in the Department of Biological Sciences, will present his seminar, “*Evolutionary Physiology: C4 and CAM Photosynthetic Pathways in the genus Portulaca*,” on **Thursday, February 2, 2012**, at **4:00 PM** in **Lecture Center 10**. He will also participate in a **brown bag discussion** with Biology faculty members, “*Leadership style and opportunities*,” on **Friday, February 3, 2012**, at **noon** in **Lecture Center 10**. A departmental potluck dinner will be held in the home of Rosemary Smith & Rick Williams at 7:00 PM on Friday; please visit the main office for directions and details. If you would like more information about Dr. Guralnick, or would like to request a meeting, please speak with Noreen King.

## UPCOMING EVENTS

**Sigma Xi Science Café** will be **Wednesday, February 1, 2012**, at **Portneuf Valley Brewing** at **5:00 PM**. The topic will be “Impact of Water Quality on Communities” with panelists **Michael Thomas**, Solomon Leung, and Hannah Sanger.

**The Idaho State University chapter of Psi Chi will be hosting the Southeastern Idaho Psi Chi Research Conference on March 23, 2012 in Pocatello, ID.** Undergraduates are strongly encouraged to submit a presentation (either oral or poster), however graduate students may also present. Please encourage students in your lab to participate! This is a great way for them to get some research presentation experience! The **abstract deadline is February 24, 2012**, however we will accept late submissions (but these submissions will not be included in the conference booklet). Dr. Jonathan Prather, from the Department of Zoology and Physiology at the University of Wyoming, is the invited speaker. Dr. Prather studies the neural mechanisms of communication in songbirds. For more information about the conference, and to register, please go to: <http://seidpcrc.weebly.com/>. For more information about Psi Chi, visit: <http://psichi.org>. Please email with any questions you may have ([psichi@isu.edu](mailto:psichi@isu.edu)).

**The 26th National Conference on Undergraduate Research (NCUR) will be held at Weber State University, Ogden, Utah on March 29 - March 31, 2012.** You are invited to participate in the Graduate School Fair which will be held during the conference on Thursday, March 29 and Friday, March 30 from 12:00-5:00 PM each day. It is anticipated that over 3,000 student presenters from around the country will attend, as well as their faculty mentors. For registration information, please visit [http://weber.edu/ncur2012/dropdowns/grad\\_fair.html](http://weber.edu/ncur2012/dropdowns/grad_fair.html). **Early bird registration will be held from now until January 27, 2012. Registration closes on March 1, 2012.** Space is limited and registration for the fair is on a first come, first served basis.

## OPPORTUNITIES

The US Department Energy's **Office of Energy Efficiency and Renewable Energy** is pleased to **announce the 2012 Geothermal Student Competition**. The Competition is designed to support, inspire, and promote innovation, exploration, and entrepreneurship among the nation's emerging young thinkers. **The Challenge:** Undergraduate and graduate student teams, guided by a faculty member in the role of mentor, are challenged to conduct a professional-quality assessment of the Snake River Plain site in Idaho using innovative exploration technologies. Research should be based on the case study analysis provided using one or more of the following exploration technologies: (1) geophysics, (2) geochemistry, (3) remote sensing; and (4) geology. Please note: faculty should be providing limited support. This is intended to be a student competition. **Who Should Apply?** The Competition is open to undergraduate and graduate students in science, engineering and business programs of study. **Where do I Apply?** The Competition application, guidelines, and copies of the case study can all be found on the Competition website <http://orise.ornl.gov/geothermal>. **Please contact Dr. Desmond Stubbs, Program Manager by email [Desmond.Stubbs@ornl.gov](mailto:Desmond.Stubbs@ornl.gov) or by phone (865) 603-2461.**

**U.S. Department of Homeland Security (DHS) Summer 2012 Research Experiences** for Undergraduates, Graduate Students, and Faculty. For more information go to: <http://www.ornl.gov/dhseducationprograms>.

**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=hpannouncement\\_box](http://www.nicholas.duke.edu/news/online-virtual-session?utm_source=click&utm_medium=web&utm_campaign=hpannouncement_box).

**Department of Defense, United States Army Medical Research Materiel Command, Congressionally Directed Medical Research Programs.** CDMRP Research Funding for 2012. The Fiscal Year 2012 Department of Defense Appropriations Act provides research funding for peer reviewed programs managed by the Department of Defense (DoD) office of Congressionally Directed Medical Research Programs (CDMRP). Comprehensive Program Announcements are expected to be released during winter/spring of 2012. The announcements will include detailed descriptions of funding mechanisms, evaluation criteria, submission requirements, and deadlines. Each Program Announcement may be downloaded from the Grants.gov website (<http://www.grants.gov>), the CDMRP website (<http://cdmrp.army.mil>), and the CDMRP eReceipt website (<https://cdmrp.org>) upon its release. Requests for e-mail notification of the Program Announcement releases may be sent to [help@cdmrp.org](mailto:help@cdmrp.org).

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**The Center for Environmental Farming Systems (CEFS) Summer Sustainable Agriculture Internship Program, Goldsboro, NC.** 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. As part of their research experience, each intern will be mentored by NCSU, NCA&TSU and NCDA&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. **Deadline to apply for the CEFS Summer Internship Program is Wednesday, February 15, 2012.** Visit [www.cefs.ncsu.edu](http://www.cefs.ncsu.edu) for more information or contact Lisa Forehand ([lisa\\_forehand@ncsu.edu](mailto:lisa_forehand@ncsu.edu)) for more information!

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**3<sup>rd</sup> Summer of NSF-funded Research Experiences of Undergraduates (REU) program entitled, Training and Experimentation in Computational Biology (TECBio): Simulation and Visualization of**

**Biological Systems at Multiple Scales.** This is a 10-week summer program hosted by the Department of Computational and systems Biology in the School of Medicine at the University of Pittsburgh. For more information: [www.tecbioreu.pitt.edu](http://www.tecbioreu.pitt.edu). **Deadline for application is March 2, 2012.**

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## PAYROLL INFORMATION

**Our next pay period ends Saturday, February 4, 2012.** Please be sure to **submit your time by Monday, February 6, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, February 7, 2012,** when time cards are due to Payroll.



# ISU Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF JANUARY 22, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, January 24, 2012**, in the Plant Sciences 114 at noon.

## SEMINARS

**Dr. John Gustafson** (Head, Department of Biology, New Mexico State University), a candidate for the Chair position in the Department of Biological Sciences, will present his seminar, "Tea tree oil and the ability of a bacterial pathogen to overcome," on **Thursday, January 26, 2012, at 4:00 PM in Lecture Center 10**. He will also participate in a brown bag discussion with Biology faculty members, "Leadership style and opportunities," on **Friday, January 27, 2012, at 12:00 noon in Lecture Center 10**. A departmental potluck dinner will be held in the **home of Mike Thomas & Alissa Salmore at 6:30 PM on Friday, January 27, 2012**; please visit the main office for directions and details. If you would like more information about Dr. Gustafson, or would like to request a meeting, please speak with Noreen King.

## DEPARTMENT NEWS

**Dr. Jeff Meldrum** presented two invited seminars at **Wofford College in Spartanburg, SC, Friday, January 20, 2012**.

## PUBLICATIONS

**C. R. Peterson** and J.R. Lee. 2012. Using Geographical Information Systems to design reptile surveys. Pp. 34-41 In: M. Foster, R. McDiarmid, C. Guyer, J.W. Gibbons, and N. Chernoff. (eds.). Reptile Biodiversity: Standard Methods for Inventory and Monitoring. University of California Press, Los Angeles, CA.

Dorcas, M. E. and **C. R. Peterson**. 2012. Automated data acquisition. Pp. 61-68 In: M. Foster, R. McDiarmid, C. Guyer, J.W. Gibbons, and N. Chernoff. (eds.). Reptile Biodiversity: Standard Methods for Inventory and Monitoring. University of California Press, Los Angeles, CA.

*Will Christenson, Rachel Horton, Kayla Campbell, Kelly Meacham, Amber Schroeder, and Gene M. Scalarone*. 2011. Comparison of antibody detection with *Blastomyces dermatitidis* yeast lysate antigens in serum specimens from immunized rabbits and infected dogs. Open Journal of Immunology. Vol. 1, No. 3, 74-79. (The five students are all undergraduates in the Department of Biological Sciences, Idaho State University.)

## NSF PREPROPOSALS SUBMITTED

**Dr. Colden Baxter**: "Toward a landscape ecology of resource subsidies-Linking spatial pattern of salmon subsidies and associated disturbances to ecosystem processes in riverscapes." (PI) Amy Marcarelli,

Michigan Tech University; (co-PI) Colden Baxter, Idaho State University; (co-PI) Christian Torgersen, University of Washington, and (co-PI) Mark Wipfli, University of Alaska-Fairbanks.

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## JOB OPPORTUNITIES

**The Idaho Department of Fish and Game has an opening for Biologist, Regional Wildlife – Nongame position in Nampa, Idaho** on open competitive announcement until **Friday, January 27, 2012**. The announcement is located at the following link:

[https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00835010455](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835010455).

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

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**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](mailto: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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# ISU

# Newsletter

**Idaho State**  
**UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF JANUARY 8, 2012**

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## PUBLICATIONS

Holtgrieve, G.W., Schindler, D.E., Hobbs, W.O., Leavitt, P.R., Ward, E.J., Bunting, L., Chen, G., **Finney, B.P.**, Gregory-Eaves, I., Holmgren, S., Lisac, M.J., Lisi, P.J., Nydick, K., Rogers, L.A., Saros, J.E., Selbie, D.T., Shapley, M.D., Walsh, P.B., and Wolfe. 2011. A coherent signature of anthropogenic nitrogen deposition to remote watersheds of the Northern Hemisphere. *A.P. Science* 334: 1545-1548.

## OPPORTUNITIES

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**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=hpanouncement\\_box](http://www.nicholas.duke.edu/news/online-virtual-session?utm_source=click&utm_medium=web&utm_campaign=hpanouncement_box).

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/>. **The next deadline for pre-proposals is January 13, 2012.** If you have any questions, please contact Ron Tressler ([Ron.Tressler@seattle.gov](mailto: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](mailto: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.

**The Center for Environmental Farming Systems (CEFS) Summer Sustainable Agriculture Internship Program, Goldsboro, NC.** 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. As part of their research experience, each intern will be mentored by NCSU, NCA&TSU and NCDA&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. **Deadline to apply for the CEFS Summer Internship Program is Wednesday, February 1, 2012.** Visit [www.cefs.ncsu.edu](http://www.cefs.ncsu.edu) for more information or contact Lisa Forehand ([lisa\\_forehand@ncsu.edu](mailto:lisa_forehand@ncsu.edu)) for more information!

**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](mailto: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.

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**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.

The **NASA Idaho Space Grant Consortium (ISGC)** is now accepting **Research Fellowship Applications**. Students pursuing a master or doctoral degree at one of the ISGC member universities 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 \$15,000 for the academic year. The fellowships are renewable annually upon completion of program requirements and are granted for a maximum of two academic years. 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.

The **NASA Idaho Space Grant Consortium (ISGC)** is now accepting **Scholarship Applications**. Students pursuing a baccalaureate degree at one of the ISGC member universities are encouraged to apply. Applicants must be a U.S. citizen or have permanent residency, must be or entering into a science, math, engineering, science or math education discipline as a full-time student and have a cumulative GPA of 3.0 or higher. **Deadline for applications is Monday, March 5, 2012 at 5:00PM PST.** Awards amounts are made as follows: 1st year recipients: \$1,000; 2nd year recipients: \$1,500; 3rd year recipients: \$2,000; 4th year recipients: \$2,500. The awards are renewed annually based upon the completion of program requirements for a maximum of four academic years. Please see attached guidelines and use the following link to apply: <http://id.spacegrant.org/index.php?page=scholarships>. If you have any questions, please call Angela or Becky at (208) 885-6438 or reply to this email.

## JOB OPPORTUNITIES

The **Idaho Department of Fish and Game** has an opening for **Administration Bureau Chief** (Financial Executive Officer) position in Boise, Idaho, on open competitive announcement until **Friday, January 13, 2012**. The announcement is located at the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=04240044595](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=04240044595). Applications will only be accepted through this website. **EEO/Vets Preference.**

## PAYROLL INFORMATION

**Our next pay period ends Saturday, January 7, 2012.** Please be sure to **submit your time by Monday, January 9, 2012, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, January 10, 2012**, when time cards are due to Payroll.



# ISU Newsletter

**Idaho State  
UNIVERSITY**

**ANNOUNCEMENTS FOR THE WEEK OF JANUARY 15, 2012**

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

## FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, January 17, 2012**, in the Plant Sciences 114 at noon.

## PUBLICATIONS

Weber, C.F. and Kuske, C.R. 2012. Comparative assessment of fungal cellobiohydrolase I richness and composition in cDNA generated using oligo(dT) primers or random hexamers. *Journal of Microbiological Methods*. doi:10.1016/j.mimet.2011.11.016

Stewart, K.M., R.T. Bowyer, B.L. Dick, and J.G. Kie. 2011. Effects of density-dependence on diet composition of North American elk *Cervus elpahus* and mule deer *Odocoileus hemionus*: an experimental manipulation. *Wildlife Biology* 17: 417-430.

Jayde A. Ferguson, Sophie St-Hilaire, Tracy S. Peterson, **Kenneth J. Rodnick**, and Michael L. Kent. 2011. Survey of parasites in threatened stocks of Coho salmon (*Oncorhynchus kisutch*) in Oregon by examination of wet tissues and histology. *J Parasitol* 97(6):1085–1098.

## DEPARTMENT NEWS

**Dr. Bruce Finney** and geosciences post-doctoral researcher, Dr. Mark Shapley, are among a team of 19 researchers who have documented the signature of increased human nitrogen emissions across the Northern Hemisphere in study that has been published in the prestigious journal *Science*. For more information: <http://www.isu.edu/newsandnotes/120109/science.shtml>.

Recent presentations at the **Annual Meeting of the Society of Comparative and Integrative Biology** in Charleston, South Carolina, January 4-5, 2012:

- ✚ Karen Plant, Matt Powell, **Kenneth Rodnick**, Ronald Hardy. Rainbow trout *Oncorhynchus mykiss* erythrocytes respond to thermal stress in vitro.
- ✚ Angela Santin\*, Matt Powell, Ronald Hardy, **Kenneth Rodnick**. Dietary carbohydrate and biomarkers of sustained glycemia in rainbow trout. \*Angela is a second-year Masters student in Dr. Rodnick's laboratory.

## NSF PREPROPOSALS SUBMITTED

**Dr. Carolyn Weber**: “Belowground interactions of dark septate endophytic and mycorrhizal fungi control invasive success and carbon storage in cheat grass-invaded sagebrush steppe.” (PI) Carolyn F. Weber, Idaho State University; and (Co-PI) Gary M. King, Louisiana State University.

**Dr. Ken Rodnick**: #1 “Adaptation of teleost fishes to desert streams through respiratory and metabolic regulation, gene expression, and selection on genome-wide polymorphisms.” (PIs) Ron Hardy, University

of Idaho; Shawn Narum, University of Idaho; and Ken Rodnick, Idaho State University. #2 “Temporal regulation of plasma glucose in a "carbohydrate-intolerant" teleost.” (PIs) Matt Powell, University of Idaho; Ron Hardy, University of Idaho; and Ken Rodnick, Idaho State University.

**Dr. Chris Cretekos:** “Genetic determinants of mammalian limb biodiversity.” (PI) Dr. Karen Sears, University of Illinois at Urbana-Champaign; (co-PI) Dr. Richard Behringer, The University of Texas MD Anderson Cancer Center; (co-PI) Dr. Chris Cretekos, Idaho State University; and (co-PI) Dr. Sheng Zhong, University of Illinois at Urbana-Champaign.

**Dr. Rosemary Smith:** “Integrating reproductive behaviors and ecology of burying beetles.” (PI) Rosemary Smith, Idaho State University; (co-PI) Charles F. (Rick) Williams, Idaho State University; and (co-PI) Janet Loxterman, Idaho State University.

**Dr. Janet Loxterman:** “Integrating genetic diversity and habitat suitability to quantify the effects of habitat fragmentation in stream ecosystems.” (PI) Janet Loxterman, Idaho State University; and (co-PI) Ernest Keeley, Idaho State University.

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**3<sup>rd</sup> Summer of NSF-funded Research Experiences of Undergraduates (REU) program entitled, Training and Experimentation in Computational Biology (TECBio): Simulation and Visualization of Biological Systems at Multiple Scales.** This is a 10-week summer program hosted by the Department of Computational and systems Biology in the School of Medicine at the University of Pittsburgh. For more information: [www.tecbioreu.pitt.edu](http://www.tecbioreu.pitt.edu). **Deadline for application is March 2, 2012.**

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