



## **FACULTY/STAFF/OTHER MEETINGS**

**Biological Sciences Faculty Meeting** will be **Tuesday, December 9, 2014**, in **Lecture Center 15/17** at **Noon**.

## **DEPARTMENT SEMINARS**

**Katrina Cassidy Davis**, MS graduate student with **Dr. Ken Rodnick**, will present her thesis defense seminar, "Static Weight Distribution on Dry Land and Gait Characteristics and Heart Rate Response of Healthy Dogs during Partial-Water Immersion on a Treadmill," on **Tuesday, December 9, 2014**, in **Lecture Center 10** at **1:00 PM**.

## **ISU ACADEMIC CALENDAR**

### **Fall Semester 2014**

December 8	Late 8-week and full semester course grading opens
December 8-12	Closed week
December 12	Summer 2015 Class Schedule viewable online (subject to change)
December 15-19	FINAL Examinations
December 23	Late 8-week and full semester course grading closes at 5:00 pm

## **OTHER NEWS**

**The New York Academy of Sciences and the Blavatnik Family Foundation** will begin accepting nominations for the 2015 Blavatnik National Awards for Young Scientists Faculty competition in Life Sciences, Physical Sciences & Engineering, and Chemistry on Tuesday, September 30, 2014. **The nomination period will be from September 30, 2014 to November 25, 2014. Letters of support must be submitted by December 9, 2014.** You may send inquiries to [blavatnikawards@nyas.org](mailto:blavatnikawards@nyas.org) or directly contact the Blavatnik Awards staff at (212) 298-8624 (M-F, 9 AM-5 PM EDT). Additional information is also available at: <http://blavatnikawards.org/national-awards/>.

## **SCHOLARSHIP OPPORTUNITIES**

**The Goldwater Scholarship for Sophomores and Juniors Majoring in Science, Math or Engineering.** It provides up to \$7,500 per year for undergraduate educational expenses. Must be a U.S. citizens or permanent residents in good academic standing (typically having a minimum 3.5 GPA) are eligible to apply. Idaho State University will nominate up to four candidates through an internal competition. For more details regarding this scholarship and the national competition visit [act.org/goldwater/index.html](http://act.org/goldwater/index.html).

## **JOB OPPORTUNITIES**

**Nez Perce Tribe Department of Fisheries Resource Management - FISHERIES TECHNICIAN II HR-14-199** full-time seasonal (Jan. 15 to June 10) in the Sweetwater Fisheries Research office. Will assist with adult steelhead escapement status monitoring in Joseph Creek. **Responsibilities include:** installation, operation, and maintenance of the resistance board weir, trapping of adult steelhead, collection of biological

information, PIT tagging, marking collecting scale and DNA samples, electronic data recording, redd counting, and computer data entry and quality control checking. Requires two (2) years of college education (48 credits). Three (3) years of relevant experience is equivalent to one (1) year of college. "Please provide college transcripts". Requires one (1) year of related experience to project needs and six (6) months leadership experience. Must possess the ability to work shift work by staying out in the field, have mechanical, construction and maintenance skills, have demonstrated computer skills, and an ability to cooperate and work with others. Pre-employment drug testing required. Requires a valid driver's license with the ability to be insured under the Tribe's policy. (If your driver's license is not issued from Idaho; a Motor Vehicle Report (MVR) from the state your driver's license is issued, is required with your application.) **This position closes 12/12/14.**

**Wetland/waterfowl field survey technician – Illinois.** Two field technicians are required to survey wetland flooding, vegetation extent and associated waterfowl use in Illinois. The position will extend from approximately February 16th to March 27th, with the possibility of rehire during subsequent summer and fall sampling periods. Surveys will involve mapping wetland areas with GPS and identifying waterfowl to species level. Technicians might also be required to identify amphibians during surveys. Each technician will work independently in the field, so must be adept at hiking across difficult terrain safely. Inclement weather, long days, tough hikes and statewide travel are to be expected. Technicians will operate university vehicles, so must have a valid driver's license and good driving record. Orienteering skills are a must. Previous experience with GPS, 4wd vehicles, and identification of waterfowl and amphibians is preferred. Wilderness first aid training is a plus. Applicants must be legally authorized to work in the U.S. Compensation: \$1800/month and housing will be provided to apply, send an e-mail to the application address listed below with the subject line "Illinois wetland field tech". Include a cover letter in the body of the e-mail and attach your C.V. or résumé with 3 professional references in a single Word document. **Application deadline: Dec 31, 2014** but applications will be reviewed immediately. **Application:** [john.oconnell@siu.edu](mailto:john.oconnell@siu.edu). Contact: John O'Connell. [johnrobertoconnell@gmail.com](mailto:johnrobertoconnell@gmail.com).

**Black Brant Field Technicians, Yukon Delta National Wildlife Refuge, Alaska.** (3) FIELD TECHNICIANS needed for the 32nd season of a study examining black brant population demography on Alaska's Yukon Delta National Wildlife Refuge, one of the most diverse and abundant waterbird nesting areas in North America. Duties will include nest monitoring, web-tagging goslings, banding, data entry, and daily responsibilities associated with living in a remote field camp. Successful applicants have typically been enrolled in a wildlife or biology related program, have experience handling birds, collecting behavioral data, maintaining detailed field notes, operating and maintaining outboard-motors and snow-machines, and are physically fit. Most importantly, we are looking for applicants with a strong desire to work hard, and the ability to thrive in a remote setting. Technicians will receive approximately \$1500/month stipend, transportation from Anchorage or Fairbanks, Alaska to field site near Chevak, Alaska, and some field gear. Food and lodging will be provided for the duration of field season. Dates: Mid-April to late-July, non-negotiable. **To apply**, email a cover letter, resume, dates of availability, and names and contact information for three references in a single Word document or PDF to: Thomas Riecke, [triecke@cabnr.unr.edu](mailto:triecke@cabnr.unr.edu), Department of Natural Resources and Environmental Sciences, University of Nevada-Reno, 1664 N. Virginia St., NV 89557. Phone: (214) 384-8085.

**Waterfowl Technician - Delta Waterfowl Foundation - Prairie Pothole Region of US and Canada.** **Closing Date:** February 15, 2015. **Job Description:** Technicians needed to assist with projects in Prairie Pothole region of the US and Canada. Projects entail searching for duck nests using both the ATV drag technique (2 person teams that use ATVs to drag a chain to flush nesting hens) and the over water technique (searching on foot through dense stands of emergent wetland vegetation). Once a nest is found, technicians will be responsible for determining incubation stage of the eggs and marking the nest using a GPS unit. Nests are revisited every 5-7 days to monitor progress of incubation until the nest either hatches or fails. Technicians are expected to work long hours with few days off and still be able to collect reliable data. Over water nest searching is very labor intensive and will require technicians to be in good physical

condition. **Qualifications:** Either a BS or working towards a BS in some field of wildlife ecology (special consideration will be given to applicants who have an interest in attending graduate school); Ability to work long hours; Ability to work in adverse weather conditions – occasionally cold and wet; Ability to walk through thick cattail stands for several hours a day for many days in a row; ATV experience is preferred; Ability to drive a 4WD truck with trailer; Good waterfowl identification is a must, especially hens; Ability to work well with others; Ability to work unsupervised; A valid passport is required to work out of country. Technicians will be needed starting late April/early May until mid-July, with potential to extend into mid-August. Start and end times are somewhat flexible. Please send resume, cover letter or CV, unofficial transcripts, and contact information (email, address, telephone numbers) for at least 3 and up to 6 professional references to Mike Buxton (mbuxton@deltawaterfowl.org) with “Delta Waterfowl Technician” in the subject line. Salary: \$1600 - \$1800 per month (depending on location), housing is provided.

**Wetlands Biologist - Ducks Unlimited** seeks an accomplished and motivated research biologist to help provide science support for its conservation efforts in the 7-state, Great Plains Region. The position will be stationed in the Great Plains Regional Office in Bismarck, North Dakota. The successful applicant will be responsible for and participate in all phases of the design, analysis, execution, and reporting of research investigations and the development of geospatial conservation planning tools. He/she will also maintain excellent working relationships with state and federal personnel, academic researchers and graduate students, private landowners, and other conservation partners. **To apply:** Complete the application at [www.ducks.org/jobs](http://www.ducks.org/jobs); attach letter of interest, resume and daytime contact information (email & phone numbers) for three professional references; and submit. **Application deadline is January 9, 2015.** **For more information** regarding this position or to request application materials, please contact Kaylan Carrlson at (701) 355-3500 or [kcarrlson@ducks.org](mailto:kcarrlson@ducks.org).

**Waterfowl Field Research Technician Position. Position Dates: Start (negotiable) February 1, 2015.** End date June 30, 2015 (very high potential to be extended until October 31, 2015 pending additional funding). **Position Description:** Collection of data for a long-term demographic study of Wood Ducks in Fallon, Nevada (approximately 1 hour east of Reno). Additional information about project available at: <http://nevadawaterfowl.org/wp-content/uploads/2013/06/2012-report.pdf>. **Desired Skills:** Completion of a 4 year degree in wildlife or related field, experiencing in collecting nesting data, and experience in handling waterfowl. Most importantly, extremely personable as all work is conducted on private lands, and experience in handling waterfowl. **Please send** in one document: potential start date, resume, and phone numbers and emails for 3 references to Ben Sedinger (bsedinger@gmail.com) by **December 31, 2014**. This is a cooperative project among Nevada Department of Wildlife, Nevada Waterfowl Association, U.S. Fish & Wildlife Service (Region 8 Migratory Birds Program and Stillwater National Wildlife Refuge), and the University of Nevada Reno.

**Director, Wildlife Biology Program - University of Montana.** Screening of applicants **begins January 15 2015**, and will continue until a suitable candidate is appointed. Employment may begin 1 July 2015. Announcing the search for an innovative and visionary leader to direct Montana’s world-class Wildlife Biology Program. **Required education:** Requirements include a PhD in the field and professional accomplishments commensurate with academic rank of Associate Professor or higher. **To apply go to:** <http://bit.ly/1056cfwb> and upload a letter of interest, statement of Wildlife Biology Program vision, statement of research vision in wildlife biology, three representative publications, curriculum vitae and names of three references. **Direct questions** to the chairs of the search committee: Creagh Breuner (406-243-5585; [creagh.breuner@umontana.edu](mailto:creagh.breuner@umontana.edu)) or Paul Lukacs (406-243-5675; [paul.lukacs@umontana.edu](mailto:paul.lukacs@umontana.edu)).

The **South Zone Fish Program of the Salmon-Challis National Forest** will be filling several seasonal fish positions for the 2015 field season. (**Biological Science Technician (Fish)** - 15-TEMP-R40404-5-FISH-DT-PM - 12/3/2014 - 12/9/2014; **Biological Science Technician (Fish)** - 15-TEMP-R40404-4-FISH-DT-PM - 12/3/2014 - 12/9/2014; **Biological Science Aid** - 15-TEMP-R40404-3-AID-DT-PM - 12/9/2014 - 12/15/2014; and **Forestry Aid** - To Be Determined - 2/13/2015 – 2/19/2015) Most of the positions will run

approximately June 1 to August 14 but some will extend through approximately October 2. These positions stationed in Mackay, Idaho, and will involve working the southern portion of the Salmon-Challis National Forest. The **application periods will be in December 2014 and February 2015** depending on the position. **Applicants may apply for these positions by going to [www.usajobs.gov](http://www.usajobs.gov)** during the open period and entering the announcement. Applicants must specify MACKAY, IDAHO as one of the duty stations in the application process in order to be considered for these positions. The application process can take some time so please plan accordingly. **For more information** about these positions please contact Christine Stewart at [christinetstewart@fs.fed.us](mailto:christinetstewart@fs.fed.us) or 208-588-3415.

## OPPORTUNITIES

**Center for Environmental Farming Systems (CEFS) Summer Internship in Sustainable Agriculture.** This eight-week internship program (June 9 – July 31, 2015) provides undergraduate students with experience in various aspects of sustainable agriculture from expert faculty and staff at CEFS and through hands-on farm work, lectures and discussions, community engagement, and field trips to local farms and markets. Student interns will receive 6 credit hours from NCSU (CS 492) for the internship program. All applications for the CEFS Summer Internship Program must be **RECEIVED by Monday, March 2, 2015**. For more information, please visit our website: [http://go.ncsu.edu/2015\\_internship](http://go.ncsu.edu/2015_internship).

**Waterfowl Field Technicians (4)** needed from June to December 2015 (start date is flexible) for investigations of mallard productivity and breeding ecology in New Zealand. **This is a volunteer position.** If interested, send cover letter and CV to Jenn Sheppard ([jshe820@aucklanduni.ac.nz](mailto:jshe820@aucklanduni.ac.nz)) and David Klee ([dklee@awgf.org.nz](mailto:dklee@awgf.org.nz)). The positions will remain open until filled, and review of applications will begin immediately.

**Department of Biological Sciences, University of Alberta & Delta Waterfowl Foundation M.Sc. or Ph.D. in Waterfowl Breeding Ecology and Management. Start Date: January or February, 2015;** first work to begin in April, 2015. Enrollment in University of Alberta in September 2015. Dr. Mark Boyce at the University of Alberta will serve as graduate advisor. **Qualifications:** Bachelor's or Master's degree in wildlife ecology or other related field. Student should be familiar with waterfowl breeding biology and field research (including operating ATVs). Expect to spend long hours in the field during spring. Canadian citizenship slightly preferred, but not required. Please send a cover letter, resume (with contact information for references), and unofficial transcripts to: Dr. Mark S. Boyce, [boyce@ualberta.ca](mailto:boyce@ualberta.ca), or or Dr. Frank Rohwer, [frohwer@deltawaterfowl.org](mailto:frohwer@deltawaterfowl.org). 780-492-0081.

**The Department of Microbiology at The University of Iowa** is pleased to announce a summer research opportunity for talented undergraduates interested in a career in the biological sciences. **To be eligible for the program, students must be:** Enrolled at a college or university and majoring in a biological science; In their sophomore or junior year at the time of application; Interested in graduate school and a career in biological research; A US citizen or permanent resident (hold a green card); Prior research experience is NOT a requirement; Students from underrepresented groups or colleges that do not have extensive research programs are especially encouraged to apply. **The 2015 program will begin May 26 and end on July 31 (10-week program).** For more information and our on-line application, please visit our website: <http://www.medicine.uiowa.edu/microbiology/summer/>.

**One Graduate Assistantship available starting August, 2015** to work on Scaled Quail demography, seasonal habitat use, and effects of climate on nest success in the Chihuahuan Desert in southern New Mexico. **Qualifications:** Applicants should have a B.S. in Wildlife, Biology, Conservation Biology or similar area with a combined GPA of 3.0 or higher. Direct experience with field studies that involved trapping, tracking, and handling of birds is highly desirable. **Interested applicants** should send a cover letter, CV/Resume, unofficial undergraduate transcripts, and GRE scores (preferably as one pdf document) to Dr. Scott Carleton in the New Mexico Cooperative Fish & Wildlife Research Unit at New Mexico State

University (carleton@nmsu.edu or as a last resort to NMSU, MSC 4901, Las Cruces, NM 88003). If selected as a finalist for the position, you will be asked to provide three letters of reference.

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## **PAYROLL INFORMATION**

**Our pay period ends Saturday, December 6.** Please be sure to submit your time by **Monday, December 8 at 12 Noon.** This gives your approver time to approve your time card and fix any problems by **Tuesday, December 9** when time cards are due to Payroll. **All faculty and staff need to submit a time card.**

## FACULTY/STAFF/OTHER MEETINGS

No Biological Sciences Faculty Meeting this week.

## DEPARTMENT SEMINARS

**Gaurav Kaushik**, PhD student with **Dr. Michael Thomas**, will present his defense seminar on **Thursday, December 4, 2014**, in **Lecture Center 10** at **noon**.

**Joshua Astle**, MS student with **Dr. Jack Rose**, will present his defense seminar on **Friday, December 5, 2014**, in **Lecture Center 10** at **2:00 PM**.

## DEPARTMENT NEWS

**Dr. Jeff Meldrum** made a presentation for the ISU Student Anthropology Society Fundraiser held in the PSU Ballroom November 3, 2014, at 6:00 PM. The title was, "*Sasquatch and Other Wildmen: The Search for Relict Hominoids.*" All proceeds go towards funding undergraduate and graduate research and professional development.

## PUBLICATIONS

Battiprolu PK, **Rodnick KJ**. 2014. Dicloroacetate selectively improves cardiac function and metabolism in female and male rainbow trout. *American Journal of Physiology Heart and Circulatory Physiology* 307: H1401-H1411.

## ISU ACADEMIC CALENDAR

### Fall Semester 2014

November 24-28	Fall recess (no classes - Thanksgiving Break)
December 8	Late 8-week and full semester course grading opens
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## JOB OPPORTUNITIES

### **Fisheries Biologist II - Imnaha River Juvenile Emigrant M&E Project– Closes December 5, 2014.**

Agency /location: Nez Perce Tribe Department of Fisheries Resources Management Joseph, Oregon. Knowledge and experience with juvenile screw trapping, hatchery operations, PIT tagging, statistics, experimental design, juvenile survival and abundance modeling, spawning ground surveys, and fish sampling techniques are helpful. Hire, train, and supervise employees. Must have excellent communication skills, both oral and written, report writing, data analysis and interpretation required. Provide assistance for the assimilation and compilation of written reports. **Qualifications:** Biologist II: Requires a B.S. degree in fisheries or closely related field, and three (3) years of related experience with one (1) year of supervision, or an MS in Fisheries research with one (1) experience and one (1) year of supervisory experience. Pre-employment drug testing required. Requires a valid driver's license with the ability to be insured under the Tribe's policy. (If your driver's license is not issued from Idaho; a Motor Vehicle Report (MVR) from the state your driver's license is issued, is required with your application.) College transcripts and three letters of reference required. **To apply:** Send complete application packet, College transcripts, and three letters of reference required to: Biologist II HR-14-198, P.O. Box 365, Lapwai, ID 83540, (208)843-7332. Tribal preference applies. **INCOMPLETE APPLICATION PACKETS WILL NOT BE CONSIDERED.** Application Packets at [www.nezperce.org](http://www.nezperce.org). For more information about the job contact Jason Vogel at [jasonv@nezperce.org](mailto:jasonv@nezperce.org) or (208) 621-3602.

**Assistant Professor Of Wildlife Habitat Ecology - full-time (9 month/academic-year) tenure-track position in the Department of Wildlife, Fisheries, and Conservation Biology. Review of applications will begin December 20, 2014** and will continue until the position is filled. Materials must be submitted electronically through the Employment at UMaine website: <https://umaine.hiretouch.com/applicant-login?jobID=21179>. Contact Stephen Coghlan, Search Committee Co-Chair, Malcolm Hunter, Jr., Search Committee Co-Chair. Dept. of Wildlife, Fisheries, and Conservation Biology, 5755 Nutting Hall, Room 210, Orono, ME 04469-5755 (207) 581-2880 with questions.

**Waterfowl Field Research Technician Position. Position Dates: Start (negotiable) February 1, 2015.** End date June 30, 2015 (very high potential to be extended until October 31, 2015 pending additional funding). **Position Description:** Collection of data for a long-term demographic study of Wood Ducks in Fallon, Nevada (approximately 1 hour east of Reno). Additional information about project available at: <http://nevadawaterfowl.org/wp-content/uploads/2013/06/2012-report.pdf>. **Desired Skills:** Completion of a 4 year degree in wildlife or related field, experiencing in collecting nesting data, and experience in handling waterfowl. Most importantly, extremely personable as all work is conducted on private lands, and experience in handling waterfowl. **Please send** in one document: potential start date, resume, and phone numbers and emails for 3 references to Ben Sedinger ([bsedinger@gmail.com](mailto:bsedinger@gmail.com)) by **December 31, 2014**. This is a cooperative project among Nevada Department of Wildlife, Nevada Waterfowl Association, U.S. Fish & Wildlife Service (Region 8 Migratory Birds Program and Stillwater National Wildlife Refuge), and the University of Nevada Reno.

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Program. **Required education:** Requirements include a PhD in the field and professional accomplishments commensurate with academic rank of Associate Professor or higher. **To apply go to:** <http://bit.ly/1056cfcwb> and upload a letter of interest, statement of Wildlife Biology Program vision, statement of research vision in wildlife biology, three representative publications, curriculum vitae and names of three references. **Direct questions** to the chairs of the search committee: Creagh Breuner (406-243-5585; [creagh.breuner@umontana.edu](mailto:creagh.breuner@umontana.edu)) or Paul Lukacs (406-243-5675; [paul.lukacs@umontana.edu](mailto:paul.lukacs@umontana.edu)).

## OPPORTUNITIES

**Waterfowl Field Technicians (4)** needed from June to December 2015 (start date is flexible) for investigations of mallard productivity and breeding ecology in New Zealand. **This is a volunteer position.** Food and accommodation is provided for duration of the work term. We live in, or near, major cities (Hamilton and Invercargill), and accommodations will be a fully-furnished house. Start date is flexible; if you're interested in arriving to NZ to travel prior to start date, accommodations can be provided, where appropriate. As you will be volunteering for NZ Fish and Game, you have access to numerous private huts (cabins), and will have ample opportunity to hunt and fish in amazing, remote areas of the Country. We conduct field work on both main islands, so you may have the option to travel for work. Other opportunities include waterfowl banding in Jan/Feb, hunting and fishing in March-May, or tramping/hiking outside of the breeding season. Potential exists for technicians to conduct independent research projects or pursue graduate studies to expand our current understanding of NZ mallards. If interested, send cover letter and CV to Jenn Sheppard ([jshe820@aucklanduni.ac.nz](mailto:jshe820@aucklanduni.ac.nz)) and David Klee ([dklee@awgf.org.nz](mailto:dklee@awgf.org.nz)). The positions will remain open until filled, and review of applications will begin immediately.

**Michigan State University - Department of Fisheries & Wildlife, Michigan State University, East Lansing, MI - PhD Graduate Assistantship: Population Dynamics of Mute Swans in Michigan.** Send cover letter, resume, GRE scores, and copies of academic records to: Drs. David Luukkonen ([luukkonend@michigan.gov](mailto:luukkonend@michigan.gov)) AND Scott Winterstein ([winterst@msu.edu](mailto:winterst@msu.edu)) by **Sunday, November 30, 2014.**

**Department of Biological Sciences, University of Alberta & Delta Waterfowl Foundation M.Sc. or Ph.D. in Waterfowl Breeding Ecology and Management. Start Date: January or February, 2015;** first work to begin in April, 2015. Enrollment in University of Alberta in September 2015. Dr. Mark Boyce at the University of Alberta will serve as graduate advisor. A primary objective of this project will be an assessment of the impact that predator reduction has on nesting success of ducks in Alberta parklands. Additional research objectives include an analysis of potential linkages between habitat characteristics and success of nesting females and a contrast of the efficacy of alternative management, including establishment of upland nesting cover and nesting structures. During the 2015 and 2016 waterfowl breeding seasons the student will supervise a team of field technicians for waterfowl nest searching, nest monitoring, and habitat assessments on multiple large (25 mi<sup>2</sup> / 65 km<sup>2</sup>) study sites. **Qualifications:** Bachelor's or Master's degree in wildlife ecology or other related field. Student should be familiar with waterfowl breeding biology and field research (including operating ATVs). Expect to spend long hours in the field during spring. Canadian citizenship slightly preferred, but not required. Please send a cover letter, resume (with contact information for references), and unofficial transcripts to: Dr. Mark S. Boyce, [boyce@ualberta.ca](mailto:boyce@ualberta.ca), or Dr. Frank Rohwer, [frohwer@deltawaterfowl.org](mailto:frohwer@deltawaterfowl.org). 780-492-0081.

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**(10-week program).** For more information and our on-line application, please visit our website:  
<http://www.medicine.uiowa.edu/microbiology/summer/>.

**One Graduate Assistantship available starting August, 2015** to work on Scaled Quail demography, seasonal habitat use, and effects of climate on nest success in the Chihuahuan Desert in southern New Mexico. **Qualifications:** Applicants should have a B.S. in Wildlife, Biology, Conservation Biology or similar area with a combined GPA of 3.0 or higher. Direct experience with field studies that involved trapping, tracking, and handling of birds is highly desirable. **Interested applicants** should send a cover letter, CV/Resume, unofficial undergraduate transcripts, and GRE scores (preferably as one pdf document) to Dr. Scott Carleton in the New Mexico Cooperative Fish & Wildlife Research Unit at New Mexico State University (carleton@nmsu.edu or as a last resort to NMSU, MSC 4901, Las Cruces, NM 88003). If selected as a finalist for the position, you will be asked to provide three letters of reference.

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## **PAYROLL INFORMATION**

**Our pay period ends Saturday, November 22.** Due to the Thanksgiving Holiday, **approver deadline is Monday, November 24 at noon.** Employees that do not work Saturday, please have your time entries done end-of-shift Friday, November 21. Don't forget to enter the hours you worked on Veteran's Day (Tuesday, November 11, 2014), if you qualify. **All faculty and staff need to submit a time card.**

## FACULTY/STAFF/OTHER MEETINGS

Biological Sciences Faculty Meeting will be **Tuesday, November 4, 2014**, in **Lecture Center 15/17** at **Noon**.

## DEPARTMENT SEMINARS

**Dr. Sharon Lafferty Doty**, Associate Professor, School of Environmental and Forest Sciences; College of the Environment, University of Washington, will present a seminar on **Thursday, November 20, 2014**, in **Lecture Center 10** at **4:00 PM**.

## DEPARTMENT NEWS

**Dr. Shawn Bearden** has been awarded a grant from the National Aeronautics and Space Administration (NASA) to fly mice on the International Space Station in 2015 and 2016 to study how to protect astronauts from visual and possible cognitive impairment during long-term space missions. Dr. Bearden's lab was invited to participate in the project because of its expertise and track record in understanding the leakage of tiny blood vessels, the capillaries, in the central nervous system, which includes the brain, spinal cord, and retinas of the eye.

## PUBLICATIONS

**Weber, C.F.** (2014) Hormones and antibiotics in nature: a laboratory module designed to broaden undergraduate perspectives on typically human-centered topics. *Journal of Microbiology and Biology Education*. 15(2) (in press: Dec 2014)).

## ISU ACADEMIC CALENDAR

### Fall Semester 2014

November 10	Class level registration begins for Spring 2015 (subject to change)
November 21	Last day to WITHDRAW from late 8-week courses
November 24-28	Fall recess (no classes -- Thanksgiving Break)

## OTHER NEWS

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## JOB OPPORTUNITIES

**Assistant Professor Of Wildlife Habitat Ecology - full-time (9 month/academic-year) tenure-track position in the Department of Wildlife, Fisheries, and Conservation Biology.** Review of applications will begin **December 20, 2014** and will continue until the position is filled. Materials must be submitted electronically through the Employment at UMaine website: <https://umaine.hiretouch.com/applicant-login?jobID=21179>. Contact Stephen Coghlan, Search Committee Co-Chair, Malcolm Hunter, Jr., Search Committee Co-Chair. Dept. of Wildlife, Fisheries, and Conservation Biology, 5755 Nutting Hall, Room 210, Orono, ME 04469-5755 (207) 581-2880 with questions.

**Director, Wildlife Biology Program - University of Montana.** Announcing the search for an innovative and visionary leader to direct Montana's world-class Wildlife Biology Program. **Required education:** Requirements include a PhD in the field and professional accomplishments commensurate with academic rank of Associate Professor or higher. **To apply go to:** <http://bit.ly/1056cfcwb> and upload a letter of interest, statement of Wildlife Biology Program vision, statement of research vision in wildlife biology, three representative publications, curriculum vitae and names of three references. **Direct questions** to the chairs of the search committee: Creagh Breuner (406-243-5585; [creagh.breuner@umontana.edu](mailto:creagh.breuner@umontana.edu)) or Paul Lukacs (406-243-5675; [paul.lukacs@umontana.edu](mailto:paul.lukacs@umontana.edu)). Screening of applicants **begins 15 January 2015**, and will continue until a suitable candidate is appointed. Employment may begin 1 July 2015.

**The Idaho Department of Fish and Game - Biologist, Wildlife Regional - Farm Bill Coordinator.** The current opening is located in Lewiston, Idaho and the announcement may be used to fill future statewide openings. The announcement may be accessed through the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00835013878](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835013878). Applicants must apply online through the link listed above. The announcement closing date is **Friday, November 7, 2014**.

**Regional Biologist - South Mississippi Flyway - Lafayette, Louisiana.** **Description:** Ducks Unlimited, Inc. is seeking a motivated individual with a passion for wetlands and waterfowl to join our team and be responsible for the development, administration and delivery of varied wetland habitat conservation programs in the Gulf Coast. **Education:** B.S. in wildlife or wetland ecology, agriculture, forestry, or related field required, plus 5 years experience; M.S. preferred. **To Apply:** Applicants should send a letter and a resume, by mail or e-mail (e-mail preferred) to: Michelle Dunbar, [mdunbar@ducks.org](mailto:mdunbar@ducks.org), Administrative Assistant, Ducks Unlimited, 218 Rue Beauregard, Suite K, Lafayette, LA 70508. **Phone:** (337) 408-3288.

**The Department of Natural Resource Ecology and Management (NREM) at Iowa State University** seeks to fill a tenure-track faculty position in Wildlife Extension at the assistant professor level. This is a 12-month appointment and has primary responsibilities in Extension and research with the expectation of teaching one undergraduate course per year; responsibilities are allocated as 65% extension, 25% applied research, and 10% teaching. For more information: <https://www.iastatejobs.com/postings/7533>.

**Guaranteed Consideration Date: Friday, November 7, 2014.**

**WATERBIRD BIOLOGIST WITH USGS (1 position) – Dixon, California** - The USGS Waterfowl and Waterbird Research Program in Dixon, California is seeking a biologist (equivalent to GS-7) to assist in

studies on waterfowl and waterbird ecology, wetlands, and ecotoxicology. This will be a USGS “TERM” position, with the potential to be renewed for 4 years dependent on successful completion of work and funding availability. Position includes government benefits. Start date is negotiable between January and March 2015. **If interested** send cover letter, resume, and contact information of 3 references VIA EMAIL to: Dr. Alex Hartman (chartman@usgs.gov) ASAP. Write “Waterbird Biologist” in the subject line. **This is a pre-announcement only; please contact us for further information on the required application process.**

**Assistant Professor, Forest Ecology - The School of Agricultural, Forest, and Environmental Sciences at Clemson University in Clemson, SC** is seeking applicants for a full-time, 9-month, tenure-track position in Forest Ecology, with a split assignment in teaching and research. **Application Procedure:** Please email a single PDF file (lastname\_ecology.pdf) including (1) a letter of interest with applicant’s contact information; (2) names, titles, and contact information for 3 references; (3) a one-page teaching philosophy; (4) a one-page research plan; (5) an unofficial transcript from the PhD degree-granting institution; and (6) a Curriculum Vitae to: Ms. Jennifer Hooper, Administrative Assistant/HR, School of Agricultural, Forest and Environmental Sciences, Clemson University, 272G Lehotsky Hall, Clemson SC 29634. **Email:** [jthoope@clemson.edu](mailto:jthoope@clemson.edu). **For more information:** <http://www.clemson.edu/safes/hiring/wlfaculty>.

**Assistant/Associate Professor – Forest Management/Economics** - The School of Agricultural, Forest, and Environmental Sciences (SAFES), at Clemson University is seeking to fill a tenure-track position at the Assistant or Associate Professor level with specialization in forest resource management and economics. The position is a 12-month appointment with the majority of responsibilities in Extension with some teaching. The anticipated starting date is in early 2015. **Application deadline:** To insure full consideration, applications should be submitted by November 1, 2014. Applications will be reviewed as received and qualified applicants will be invited to interview before January 30, 2015 or until the position is filled. Anticipated starting date is March 2, 2015. **Submit materials to:** Jennifer Hooper, Administrative Assistant/HR, School of Agricultural, Forest and Environmental Sciences, Clemson University, 272G Lehotsky Hall, Clemson SC 29634. **Email:** [jthoope@clemson.edu](mailto:jthoope@clemson.edu). **Position related questions may be directed to:** Tom Straka, PhD, Clemson University, [tstraka@clemson.edu](mailto:tstraka@clemson.edu), 864-656-4827.

**The Idaho Department of Fish and Game is currently recruiting for the following positions: Wildlife Technician, Senior** - The current opening is located at the Coeur d’Alene River Wildlife Management Area near Harrison, Idaho. Please note that this announcement will be used to fill the current opening and may be used to fill future statewide openings for Wildlife Technician, Senior. **The announcement’s closing date is Tuesday, November 18, 2014.** The announcement may be accessed through the following link:

[https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00792056882](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00792056882) .

**Fish Culturist** - The current opening is located at the McCall Fish Hatchery in McCall, Idaho. Please note that this announcement will be used to fill the current opening and may be used to fill future statewide openings for Fish Culturist. **The announcement’s closing date is Wednesday, November 12, 2014.**

The announcement may be accessed through the following link:

[https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00810018010](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00810018010).

Applications will only be accepted through the website.

## OPPORTUNITIES

**One Graduate Assistantship available starting August, 2015** to work on Scaled Quail demography, seasonal habitat use, and effects of climate on nest success in the Chihuahuan Desert in southern New Mexico. Successful applicant will be supported for three years on a graduate assistantship, but encouraged to accept semester long teaching assistantships, as they become available, outside of field seasons for additional experience. Most qualified applicants will have wildlife related field experience, including but not limited to, telemetry, working independently at remote field sites, supervising technicians, and demonstrated skills in data organization, data analysis, and writing. Primary duties will include trapping,

banding, attaching transmitters, tracking quail, vegetation sampling, assisting with the preparation of quarterly and annual project reports, and presentations for scientific audiences. Successful applicant must be willing to work, sometimes long hours, under variable climatic conditions and be comfortable camping at remote locations for one to two night intervals. **Qualifications:** Applicants should have a B.S. in Wildlife, Biology, Conservation Biology or similar area with a combined GPA of 3.0 or higher. Direct experience with field studies that involved trapping, tracking, and handling of birds is highly desirable. **Interested applicants** should send a cover letter, CV/Resume, unofficial undergraduate transcripts, and GRE scores (preferably as one pdf document) to Dr. Scott Carleton in the New Mexico Cooperative Fish & Wildlife Research Unit at New Mexico State University (carleton@nmsu.edu or as a last resort to NMSU, MSC 4901, Las Cruces, NM 88003). If selected as a finalist for the position, you will be asked to provide three letters of reference.

**PhD Opportunity in Waterfowl Ecology and Management - School of Renewable Natural Resources Louisiana State University.** **Start Date:** Available Jan. 1, 2015; student must start by March, 2015. LSU enrollment would begin the following September. **Project Description:** This is a three-year collaborative project involving LSU, Ducks Unlimited, Delta Waterfowl, the U.S. Fish and Wildlife Service, and the North Dakota Game and Fish Department. **Qualifications:** Master's degree in ecology/conservation biology, or commensurate amount of field experience, preferably with waterfowl. Student should be skilled at waterfowl identification, knowledgeable about waterfowl breeding biology, and familiar with waterfowl field techniques. Student must have a valid driver's license and be proficient at operating ATVs under field conditions. During the field season in North Dakota, the student should expect to work long hours, including weekends, under difficult field conditions. Good communication skills are required, as is the ability to manage field crews and landowner relations. A background in quantitative biology and GIS would be a valuable asset, but not required. **Please send a cover letter, CV (with references listed), and unofficial transcript/GRE scores to:** Dr. Kevin Ringelman, [kringelman@agcenter.lsu.edu](mailto:kringelman@agcenter.lsu.edu). Applications will be considered as they arrive, and position will remain open until filled.

**Michigan State University - Department of Fisheries & Wildlife, Michigan State University, East Lansing, MI - PhD Graduate Assistantship: Population Dynamics of Mute Swans in Michigan.** Send cover letter, resume, GRE scores, and copies of academic records to: Drs. David Luukkonen (luukkond@michigan.gov) AND Scott Winterstein (winterst@msu.edu) by **Sunday, November 30, 2014.**

**Caribbean Ecosystem Field Studies - December 29, 2014 to January 16, 2015.** Study, snorkel & SCUBA dive along the Caribbean coast of Mexico. **Gain valuable career skills** in hands-on ecosystem field research. **Earn 3 undergraduate transfer credits** during winter break. **An opportunity** to apply your classroom & textbook learning while immersed in an incredible Caribbean ecosystem setting. **Open to** students from all universities & majors. **Accredited by the University of Montana at Missoula's Environmental Studies Program: ENST 391- Caribbean Ecosystem Field Studies for 3 undergraduate semester transfer credits.** **For all course information:** [www.ecofs.org](http://www.ecofs.org). **Direct any further questions to** Steve Johnson, Course Director at [steve@ecofs.org](mailto:steve@ecofs.org).

## PAYROLL INFORMATION

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

## **FACULTY/STAFF/OTHER MEETINGS**

**Biological Sciences Faculty Meeting** will be **Tuesday, October 28, 2014**, in **Lecture Center 15/17** at **Noon**.

## **OTHER NEWS**

**The New York Academy of Sciences and the Blavatnik Family Foundation** will begin accepting nominations for the 2015 Blavatnik National Awards for Young Scientists Faculty competition in Life Sciences, Physical Sciences & Engineering, and Chemistry on Tuesday, September 30, 2014. **The nomination period will be from September 30, 2014 to November 25, 2014. Letters of support must be submitted by December 9, 2014.** You may send inquiries to [blavatnikawards@nyas.org](mailto:blavatnikawards@nyas.org) or directly contact the Blavatnik Awards staff at (212) 298-8624 (M-F, 9 AM-5 PM EDT). Additional information is also available at: <http://blavatnikawards.org/national-awards/>.

## **ISU ACADEMIC CALENDAR**

### **Fall Semester 2014**

October 27	Spring 2015 Class Schedule viewable online (subject to change)
October 31	Last day to WITHDRAW from full semester courses
November 10	Class level registration begins for Spring 2015 (subject to change)
November 21	Last day to WITHDRAW from late 8-week courses
November 24-28	Fall recess (no classes -- Thanksgiving Break)

## **JOB OPPORTUNITIES**

**AmeriCorps** is hiring **Environmental Science Facilitation Coaches (one in the Idaho Falls area)**. Idaho 4-H is seeking three (3) Environmental Science Facilitation Coaches (ESFC) to establish a new 4-H environmental education program. AmeriCorps members should have an interest in ecology, environmental science, land stewardship, and youth and community development. AmeriCorps ESFCs will build diverse partnerships, recognize and leverage existing relationships and networks to build interest and recruit volunteers, and assess the non-formal environmental education needs across the state. Idaho 4-H is part of the University of Idaho Extension network. For more information go to <http://www.pcei.org/wp-content/uploads/UI-4H-position-description-updated-sept-2014-15.pdf>.

**Assistant Professor Of Wildlife Habitat Ecology - full-time (9 month/academic-year) tenure-track position in the Department of Wildlife, Fisheries, and Conservation Biology.** The candidate will develop an internationally-recognized research program in Wildlife Habitat Conservation and Restoration, with an emphasis on managing habitats and ecosystems for vertebrate populations. Materials must be submitted electronically through the Employment at UMaine website: <https://umaine.hiretouch.com/applicant-login?jobID=21179>. You will need to create a profile and application; submit a cover letter; curriculum vitae; statements of teaching and research interests, and details of post-secondary course work (copies of transcripts or other listing); a list of contact information and a summary of previous professional affiliations for 6 potential references. **Review of applications will begin December 20, 2014** and will continue until the position is filled. Incomplete applications cannot be

considered. Contact Stephen Coghlan, Search Committee Co-Chair, Malcolm Hunter, Jr., Search Committee Co-Chair. Dept. of Wildlife, Fisheries, and Conservation Biology, 5755 Nutting Hall, Room 210, Orono, ME 04469-5755 (207) 581-2880 with questions.

**DIRECTOR, WILDLIFE BIOLOGY PROGRAM - UNIVERSITY OF MONTANA.** Announcing the search for an innovative and visionary leader to direct Montana's world-class Wildlife Biology Program. The successful applicant will live and work in the Rocky Mountain setting that attracts our vibrant and competitive student body. Immediate benefits to the Directorship include healthy student enrollment, newly staffed Undergraduate Advisor position, and additions to programmatic base funding as 2013 recipient of the University's Programs of National Distinction. **Required education:** Requirements include a PhD in the field and professional accomplishments commensurate with academic rank of Associate Professor or higher. **To apply go to:** <http://bit.ly/1056cfcwb> and upload a letter of interest, statement of Wildlife Biology Program vision, statement of research vision in wildlife biology, three representative publications, curriculum vitae and names of three references. Direct questions to the chairs of the search committee: Creagh Breuner (406-243-5585; [creagh.breuner@umontana.edu](mailto:creagh.breuner@umontana.edu)) or Paul Lukacs (406-243-5675; [paul.lukacs@umontana.edu](mailto:paul.lukacs@umontana.edu)). Screening of applicants **begins 15 January 2015**, and will continue until a suitable candidate is appointed. Employment may begin 1 July 2015.

**Wildlife Biologist - Department Of The Interior US Fish and Wildlife Service.** For more information: <https://www.usajobs.gov/GetJob/ViewDetails/383829800>. **Deadline:** Thursday, October 30, 2014.

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## **FACULTY/STAFF/OTHER MEETINGS**

**Biological Sciences Faculty Meeting** will be **Tuesday, October 14, 2014**, in **Lecture Center 15/17** at **Noon**.

## **SEMINARS NEWS**

**Susan Galindo**, Clinical Associate Professor for Medical Laboratory Sciences, will present a seminar, "Using Interactive Online Laboratory Exercises to Flip the Laboratory," on **Thursday, October 16, 2014**, in **Lecture Center 10** at **4:00 PM**.

## **DEPARTMENT NEWS**

The **Microbiology Club** presents **Mark Fisher, PhD, Medical Director, ARUP Laboratories, Assistant Professor, University of Utah School of Medicine**, who will present a seminar, "Mass Spectrometry in the Clinical Microbiology Laboratory," on **Wednesday, October 15, 2014**, in **Plant Sciences 114** at **9:00 AM**.

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October 13-17	Mid-term week
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## **FACULTY/STAFF/OTHER MEETINGS**

**NO Biological Sciences Faculty Meeting** this week.

## **SEMINARS NEWS**

**Katrina Hofstetter**, MS student with **Dr. Chris Cretekos**, will present her defense seminar, "Fibroblast Growth Factor Diversity in the Developing Bat Limb," on **Tuesday, October 7, 2014**, in **Lecture Center** at **11:00 AM**.

## **DEPARTMENT NEWS**

**Maria Pacioretty**, MS graduate student in **Dr. Keith Reinhardt's lab**, was awarded a \$4000 scholarship from the Shikar Safari International Club.

## **OTHER NEWS**

**The New York Academy of Sciences and the Blavatnik Family Foundation** will begin accepting nominations for the 2015 Blavatnik National Awards for Young Scientists Faculty competition in Life Sciences, Physical Sciences & Engineering, and Chemistry on Tuesday, September 30, 2014. **The nomination period will be from September 30, 2014 to November 25, 2014. Letters of support must be submitted by December 9, 2014.** You may send inquiries to [blavatnikawards@nyas.org](mailto:blavatnikawards@nyas.org) or directly contact the Blavatnik Awards staff at (212) 298-8624 (M-F, 9 AM-5 PM EDT). Additional information is also available at: <http://blavatnikawards.org/national-awards/>.

## **ISU ACADEMIC CALENDAR**

### **Fall Semester 2014**

October 6	Early 8-week course grading opens
October 13-17	Mid-term week
October 17	Seniors: Last day to file application for December graduation
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October 27	Spring 2015 Class Schedule viewable online (subject to change)
October 31	Last day to WITHDRAW from full semester courses

## **JOB OPPORTUNITIES**

**There are two positions posted for Quantitative Biologists/Biometricians** with the USFWS waterfowl group and Migratory Bird Division in Anchorage, Alaska. **Wildlife Biologist (Biometrician), GS-0486-11/12** and **Supervisory Wildlife Biologist (Biometrician), GS-0486-12/13**. Applicants can find the announcement by going to: <http://jobsearch.usajobs.opm.gov> and searching by series, title, agency, etc. Duties are explained in the postings or you can contact **Julian Fischer** ([julian\\_fischer@fws.gov](mailto:julian_fischer@fws.gov)) or **Eric Taylor** ([eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)) for more information.

The **US Fish and Wildlife Service in Cibola, Arizona**, is hiring a **Biological Science Technician**. For more information go to <https://www.usajobs.gov/GetJob/ViewDetails/382420000>. Application deadline is Friday, October 10, 2014.

**AmeriCorps** is hiring **Environmental Science Facilitation Coaches (one in the Idaho Falls area)**. Idaho 4-H is seeking three (3) Environmental Science Facilitation Coaches (ESFC) to establish a new 4-H environmental education program. AmeriCorps members should have an interest in ecology, environmental science, land stewardship, and youth and community development. AmeriCorps ESFCs will build diverse partnerships, recognize and leverage existing relationships and networks to build interest and recruit volunteers, and assess the non-formal environmental education needs across the state. Idaho 4-H is part of the University of Idaho Extension network. For more information go to <http://www.pcei.org/wp-content/uploads/UI-4H-position-description-updated-sept-2014-15.pdf>.

## OPPORTUNITIES

**MRCF Seed Grant Competition** for work in the Molecular, Advanced Imaging, and Flow Cytometry Divisions of the MRCF. **Deadline Oct. 7, 2014.** In an effort to stimulate graduate and undergraduate student research using biomolecular, bioimaging, and cell analysis resources, the ISU Molecular Research Core Facility (MRCF) requests proposals for \$500 and \$1000 research grants. Awards are designed to offset costs for MRCF services including sequencing and fragment analysis, biological imaging, and flow cytometry. The review committee will consider applications from undergraduate and graduate students at any stage of research. **For further information** concerning MRCF service costs and instructions for applications please visit the facility (LS 461) or email Lisa McDougall at [heuvlisa@isu.edu](mailto:heuvlisa@isu.edu).

**One Graduate Assistantship available starting August, 2015** to work on Scaled Quail demography, seasonal habitat use, and effects of climate on nest success in the Chihuahuan Desert in southern New Mexico. Successful applicant will be supported for three years on a graduate assistantship, but encouraged to accept semester long teaching assistantships, as they become available, outside of field seasons for additional experience. Most qualified applicants will have wildlife related field experience, including but not limited to, telemetry, working independently at remote field sites, supervising technicians, and demonstrated skills in data organization, data analysis, and writing. Primary duties will include trapping, banding, attaching transmitters, tracking quail, vegetation sampling, assisting with the preparation of quarterly and annual project reports, and presentations for scientific audiences. Successful applicant must be willing to work, sometimes long hours, under variable climatic conditions and be comfortable camping at remote locations for one to two night intervals. **Qualifications:** Applicants should have a B.S. in Wildlife, Biology, Conservation Biology or similar area with a combined GPA of 3.0 or higher. Direct experience with field studies that involved trapping, tracking, and handling of birds is highly desirable. **Interested applicants** should send a cover letter, CV/Resume, unofficial undergraduate transcripts, and GRE scores (preferably as one pdf document) to Dr. Scott Carleton in the New Mexico Cooperative Fish & Wildlife Research Unit at New Mexico State University ([carleton@nmsu.edu](mailto:carleton@nmsu.edu) or as a last resort to NMSU, MSC 4901, Las Cruces, NM 88003). If selected as a finalist for the position, you will be asked to provide three letters of reference.

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## PAYROLL INFORMATION

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## **FACULTY/STAFF/OTHER MEETINGS**

**Biological Sciences Faculty Meeting** will be **Tuesday, September 30 2014**, in **Lecture Center 15/17** at **noon**.

## **PUBLICATIONS**

Lendrum, P.W., C.R. Anderson, Jr., K.L. Monteith, J.A. Jenks, and **R.T. Bowyer**. 2014. Relating the movement of a rapidly migrating ungulate to spatiotemporal patterns of forage quality. *Mammalian Biology* 79:369-375.

Shannon, J.M., J.C. Whiting, R.T. Larsen, D.D. Olson, J.T. Flinders, T.S. Smith, and **R.T. Bowyer**. 2014. Population response of reintroduced bighorn sheep after observed commingling with domestic sheep. *European Journal of Wildlife Research* 60:737-748.

Bellmore, J.R., **C.V. Baxter**, and P.J. Connolly. 2014. Spatial complexity reduces interaction strengths in the meta-food web of a river floodplain mosaic. *Ecology* (In press <http://dx.doi.org/10.1890/14-0733.1>).

## **SEMINARS NEWS**

**Dr. Scot Kelchner**, Department of Biological Sciences, Idaho State University, will present his promotion seminar, "Appearance in Evolution and Academia," on **Thursday, October 2, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Katrina Hofstetter**, MS student with **Dr. Chris Cretekos**, will present her defense seminar, "Fibroblast Growth Factor Diversity in the Developing Bat Limb," on **Tuesday, October 7, 2014**, in **Lecture Center**

## **DEPARTMENT NEWS**

**Dr. Colden Baxter** traveled to Vancouver, British Columbia and gave an invited seminar on September 4, 2014, at Simon Fraser University entitled, "Messiness matters: Contributions to an emerging spatial ecology of river-riparian food webs."

**Grant Award**. [PA13-313] – Academic Research Enhancement Award (Parent R15). National Institute of Health (NIH) via National Institute of Neurological Disease and Stroke. Total costs: \$362,626. *Mechanisms of respiratory-related rhythmic motor activity and plasticity in the avian brain stem* (RNS087521A). Funding Period: 9/30/14-8/31/17. Principal Investigator: Jason Q. Pilarski.

## **OTHER NEWS**

**The New York Academy of Sciences and the Blavatnik Family Foundation** will begin accepting nominations for the 2015 Blavatnik National Awards for Young Scientists Faculty competition in Life Sciences, Physical Sciences & Engineering, and Chemistry on Tuesday, September 30, 2014. **The nomination period will be from September 30, 2014 to November 25, 2014. Letters of support must be submitted by December 9, 2014.** You may send inquiries to [blavatnikawards@nyas.org](mailto:blavatnikawards@nyas.org) or directly contact the Blavatnik Awards staff at (212) 298-8624 (M-F, 9 AM-5 PM EDT). Additional information is also available at: <http://blavatnikawards.org/national-awards/>.

## ISU ACADEMIC CALENDAR

### Fall Semester 2014

October 6	Early 8-week course grading opens
October 13-17	Mid-term week
October 17	Seniors: Last day to file application for December graduation
October 20	Late 8-week courses begin
October 21	Early 8-week course grading closes at 5:00 pm
October 24	Last day to add/drop late 8-week courses
October 27	Spring 2015 Class Schedule viewable online (subject to change)
October 31	Last day to WITHDRAW from full semester courses

## JOB OPPORTUNITIES

There are two positions posted for **Quantitative Biologists/Biometricians** with the USFWS waterfowl group and Migratory Bird Division in Anchorage, Alaska. **Wildlife Biologist (Biometrician), GS-0486-11/12** and **Supervisory Wildlife Biologist (Biometrician), GS-0486-12/13**. Applicants can find the announcement by going to: <http://jobsearch.usajobs.opm.gov> and searching by series, title, agency, etc. Duties are explained in the postings or you can contact **Julian Fischer** ([julian\\_fischer@fws.gov](mailto:julian_fischer@fws.gov)) or **Eric Taylor** ([eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)) for more information.

## OPPORTUNITIES

**PhD Assistantship - Waterfowl Use and Carrying Capacity in the Rolling Plains and Oaks and Prairies of TX.** When not in the field, the student will office and take courses in the Department of Natural Resources Management at Texas Tech University, within the College of Agricultural Sciences and Natural Resources. **Contact:** Dr. Samantha Kahl or Dr. Blake Grisham for more information or visit <http://kahllab.blogspot.com> and <http://integratedclimatettunrm.blogspot.com>. **Deadline:** Tuesday, September 30, 2014.

**11th Annual Olympus BioScapes Competition - Submission Deadline: September 30, 2014. 1<sup>st</sup> Prize - \$5,000 and expense paid trip for two to awards reception in December. 2<sup>nd</sup> Prize - \$2,500. 3<sup>rd</sup> Prize - \$1,500. 4<sup>th</sup>-10<sup>th</sup> Prizes – Choice of any 1 of following Olympus options - TG-830 iHS Digital Camera or equivalent; WS-803 Voice Recorder or equivalent; Tracker 8 16x25 Zoom PC Binoculars or equivalent. Honorable Mentions** will receive a photographic print or plaque of their winning entry, valued at \$1-\$30, or an Honor Certificate. Winners will be notified **October, 2014. More information:** <http://www.olympusbioscapes.com/>. Please inform **Lisa McDougall**, AICF staff member, once an image has been submitted.

**One Graduate Assistantship available starting August, 2015** to work on Scaled Quail demography, seasonal habitat use, and effects of climate on nest success in the Chihuahuan Desert in southern New Mexico. Successful applicant will be supported for three years on a graduate assistantship, but encouraged to accept semester long teaching assistantships, as they become available, outside of field seasons for additional experience. Most qualified applicants will have wildlife related field experience, including but not limited to, telemetry, working independently at remote field sites, supervising technicians, and demonstrated skills in data organization, data analysis, and writing. Primary duties will include trapping, banding, attaching transmitters, tracking quail, vegetation sampling, assisting with the preparation of quarterly and annual project reports, and presentations for scientific audiences. Successful applicant must be willing to work, sometimes long hours, under variable climatic conditions and be comfortable camping at remote locations for one to two night intervals. **Qualifications:** Applicants should have a B.S. in Wildlife, Biology, Conservation Biology or similar area with a combined GPA of 3.0 or higher. Direct

experience with field studies that involved trapping, tracking, and handling of birds is highly desirable. **Interested applicants** should send a cover letter, CV/Resume, unofficial undergraduate transcripts, and GRE scores (preferably as one pdf document) to Dr. Scott Carleton in the New Mexico Cooperative Fish & Wildlife Research Unit at New Mexico State University (carleton@nmsu.edu or as a last resort to NMSU, MSC 4901, Las Cruces, NM 88003). If selected as a finalist for the position, you will be asked to provide three letters of reference.

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## **FACULTY/STAFF/OTHER MEETINGS**

**NO Biological Sciences Faculty Meeting Tuesday, September 23, 2014.**

## **SEMINARS NEWS**

**Dr. Shawn Bearden**, Department of Biological Sciences, Idaho State University, will present his promotion seminar, "Brawn to Brain: My Career (So Far) In Microcirculation," on **Thursday, September 25, 2014**, in **Lecture Center 10 at 4:00 PM**.

**Dr. Scot Kelchner**, Department of Biological Sciences, Idaho State University, will present his promotion seminar on **Thursday, October 2, 2014**, in **Lecture Center 10 at 4:00 PM**.

## **DEPARTMENT NEWS**

**Rodnick KJ**, Gamperl A.K., Nash GW, Syme, DA. 2014. Temperature and sex dependent effects on cardiac mitochondrial metabolism in Atlantic cod (*Gadus morhua* L.). *Journal of Thermal Biology* 44:110-118.

## **OTHER NEWS**

**The College of Science and Engineering annual Homecoming Celebration will be on September 27, 2014. Alumni Breakfast at 9:00 AM** – Holt Arena at the Northwest corner of 15<sup>th</sup> Avenue. **ISU Bengal Fest at Noon** – Holt Arena. **ISU Game Kickoff at 2:00 PM** – Two free tickets per alumnus with additional tickets \$6 each. **RSVP by September 22** to [cose@isu.edu](mailto:cose@isu.edu). **For more information**, contact Miriam Dance at (208) 282-4361.

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## **ISU ACADEMIC CALENDAR**

### **Fall Semester 2014**

September 26	Last day to WITHDRAW from early 8-week courses
October 6	Early 8-week course grading opens
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October 17	Seniors: Last day to file application for December graduation
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## JOB OPPORTUNITIES

There are two positions posted for **Quantitative Biologists/Biometricians** with the USFWS waterfowl group and Migratory Bird Division in Anchorage, Alaska. **Wildlife Biologist (Biometrician), GS-0486-11/12** and **Supervisory Wildlife Biologist (Biometrician), GS-0486-12/13**. Applicants can find the announcement by going to: <http://jobsearch.usajobs.opm.gov> and searching by series, title, agency, etc. Duties are explained in the postings or you can contact **Julian Fischer** ([julian\\_fischer@fws.gov](mailto:julian_fischer@fws.gov)) or **Eric Taylor** ([eric\\_taylor@fws.gov](mailto:eric_taylor@fws.gov)) for more information.

## OPPORTUNITIES

**PhD Assistantship - Waterfowl Use and Carrying Capacity in the Rolling Plains and Oaks and Prairies of TX.** When not in the field, the student will office and take courses in the Department of Natural Resources Management at Texas Tech University, within the College of Agricultural Sciences and Natural Resources. **Contact:** Dr. Samantha Kahl or Dr. Blake Grisham for more information or visit <http://kahllab.blogspot.com> and <http://integratedclimatettunrm.blogspot.com>. **Deadline:** Tuesday, September 30, 2014.

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## **FACULTY/STAFF/OTHER MEETINGS**

No Biological Sciences Faculty Meeting this week.

## **SEMINARS NEWS**

**Dr. Jean Pfau**, Department of Biological Sciences, Idaho State University, will present her promotion seminar, "Asbestos, Autoantibodies, and Pleural Fibrosis: The Voyage," on **Thursday, September 11, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Dr. Kirk Winemiller**, Texas A&M, will present a seminar, "Functional traits, convergent evolution, and a periodic table of niches," on **Thursday, September 18, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Dr. Shawn Bearden**, Department of Biological Sciences, Idaho State University, will present his promotion seminar on **Thursday, September 25, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Dr. Scot Kelchner**, Department of Biological Sciences, Idaho State University, will present his promotion seminar on **Thursday, October 2, 2014**, in **Lecture Center 10** at **4:00 PM**.

## **DEPARTMENT NEWS**

**Dr. Shawn Bearden** has been awarded a grant from the **National Aeronautics and Space Administration** (NASA). He will have mice flying on the International Space Station on two separate missions in 2015 and 2016. The purpose is to elucidate the mechanisms of visual, and possibly cognitive, impairment being experienced by astronauts during and following long duration space flight. This issue is at the top of NASA's priority list of physiological concerns for space exploration.

## **OTHER NEWS**

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## **ISU ACADEMIC CALENDAR**

### **Fall Semester 2014**

September 8	Last day to register, add/drop, change section, or audit full semester courses
September 8	Last day to submit ID Residency Determination Worksheet
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## JOB OPPORTUNITIES

**The Nez Perce Tribe Department of Fisheries Resource Management-Research** is recruiting for: **FISHERIES TECHNICIAN II HR-14-181** full-time regular. Participate in research monitoring and evaluation project based out of McCall, Idaho office. Required to assist life cycle Chinook monitoring in Johnson Creek. Responsibilities include: installation, operation, and maintenance of the juvenile screw trap, trapping of juvenile steelhead and Chinook, collection of biological information, PIT tagging, floy tagging, electronic data recording, redd counting, and computer data entry and quality control. **Qualifications:** Requires High School Diploma/GED, two (2) years of college education (48 credits). Three (3) years of relevant experience is equivalent to one (1) year of college. Requires three (3) years of related experience to project needs and one (1) year supervisory experience. Pre-employment drug testing required. Requires a valid driver's license with the ability to be insured under the Tribe's policy. (*If your driver's license is not issued from Idaho; a Motor Vehicle Report (MVR) from the state your driver's license is issued, is required with your application.*) **Closing Date:** September 15, 2014. **Salary:** Technician II - \$13.89 - \$22.96 per hour (DOE), with benefits including a retirement program, paid holidays, vacation and sick leave and health, dental, optical, and life insurance. **To Apply:** A complete application includes: NPT application: **FISHERIES TECHNICIAN II HR-14-181**, P.O. Box 365, Lapwai, ID 83540, by 4:30 pm 9/15/14 (208) 843-7332 Tribal preference applies. INCOMPLETE APPLICATION PACKETS WILL NOT BE CONSIDERED. [www.nezperce.org](http://www.nezperce.org). For more information about the job contact Jason Vogel at (208) 621-3602.

## OPPORTUNITIES

**PhD Assistantship - Waterfowl Use and Carrying Capacity in the Rolling Plains and Oaks and Prairies of TX.** When not in the field, the student will office and take courses in the Department of Natural Resources Management at Texas Tech University, within the College of Agricultural Sciences and Natural Resources. **Contact:** Dr. Samantha Kahl or Dr. Blake Grisham for more information or visit <http://kahllab.blogspot.com> and <http://integratedclimatettunrm.blogspot.com>. **Deadline:** Tuesday, September 30, 2014.

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## **FACULTY/STAFF/OTHER MEETINGS**

**Biological Sciences Faculty Meeting** will be **Tuesday, September 2, 2014**, in **Lecture Center 15/16** at **noon**.

## **PUBLICATIONS**

Long\*, R.A., **R.T. Bowyer**, W.P. Porter, P. Mathewson, K.L. Monteith, and J.G. Kie. 2014. Behavior and nutritional condition buffer a large-bodied endotherm against direct and indirect effects of climate. *Ecological Monographs* 84:513-532.

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## **SEMINARS NEWS**

**Matthew Dean**, PhD student with **Dr. Jack Rose**, will present his defense seminar, "Uterine Glycogen during Pregnancy in Mink (*Neovison vison*): Mediating the Effects of Estradiol," on **Thursday, September 4, 2014**, in **Lecture Center 10** at **3:00 PM**.

**Dr. Jean Pfau**, Department of Biological Sciences, Idaho State University, will present her promotion seminar on **Thursday, September 11, 2014**, in **Lecture Center 10** at **4:00 PM**.

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**Dr. Scot Kelchner**, Department of Biological Sciences, Idaho State University, will present his promotion seminar on **Thursday, October 2, 2014**, in **Lecture Center 10** at **4:00 PM**.

## **DEPARTMENT NEWS**

**Dr. Jeff Meldrum** has been awarded a grant from Fidelity Investments in support of phase I of the project: *Excavation of possible burial site of unknown hominins, Flores, Indonesia*, in the amount of \$9,050. This investigation is in collaboration with Dr. Gregory Forth (University of Alberta) and Drs. Debbie Argue and Colin Groves (Australia National University).

In May 2014, **Jason Werth**, Research Associate, and **Dr. Carolyn Weber** traveled to Boston, MA to present a poster entitled, "Looking Skyward: Is the Lower Atmosphere a Vast Reservoir of Bacteria that Produce Antibiotic and Antifungal Compounds?" at the **General Meeting for the American Society for Microbiology**. This work was carried out primarily by nine undergraduates in the AMOEBA program during their semester in Biology 1101-H Lab (Fall 2013). Their bioprospecting work was featured in the American Society for Microbiology Press Room and in an "Application Note" by VWR which can be found near the bottom of this link: <http://vwr-news.com/a/a.aspx?A0IAEw11IUTBJ84xLuADeRHsTA2>

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**PhD Assistantship - Waterfowl Use and Carrying Capacity in the Rolling Plains and Oaks and Prairies of TX.** When not in the field, the student will office and take courses in the Department of Natural Resources Management at Texas Tech University, within the College of Agricultural Sciences and Natural Resources. **Contact:** Dr. Samantha Kahl or Dr. Blake Grisham for more information or visit <http://kahllab.blogspot.com> and <http://integratedclimatettunrm.blogspot.com>. **Deadline:** Tuesday, September 30, 2014.

**11th Annual Olympus BioScapes Competition - Submission Deadline: September 30, 2014. 1<sup>st</sup> Prize - \$5,000 and expense paid trip for two to awards reception in December. 2<sup>nd</sup> Prize - \$2,500. 3<sup>rd</sup> Prize - \$1,500. 4<sup>th</sup>-10<sup>th</sup> Prizes – Choice of any 1 of following Olympus options - TG-830 iHS Digital Camera or equivalent; WS-803 Voice Recorder or equivalent; Tracker 8 16x25 Zoom PC Binoculars or equivalent. Honorable Mentions will receive a photographic print or plaque of their winning entry, valued at \$1-\$30, or an Honor Certificate. Winners will be notified **October, 2014. More information:** <http://www.olympusbioscapes.com/>. Please inform **Lisa McDougall**, AICF staff member, once an image has been submitted.**

## PAYROLL INFORMATION

**Our pay period ends Saturday, August 30.** Please be sure to **submit your time by Monday, September 1 at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, September 2** when time cards are due to Payroll. **All faculty and staff need to submit a time card.**

## **FACULTY/STAFF/OTHER MEETINGS**

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

## **DEPARTMENT NEWS**

The **Biological Sciences Faculty Retreat** will be **Thursday, August 21, 2014**.

## **ISU ACADEMIC CALENDAR**

### **Summer Sessions 2014**

Late 8-Week Courses      June 16 to August 8

Late 6-Week Courses      June 30 to August 8

Late 4-Week Courses      July 14 to August 8

### **Fall Semester 2014**

August 25                      Fall classes begin

August 29                      Last day to add/drop early 8-week courses

September 1                   Labor Day holiday (no classes)

September 8                   Last day to register, add/drop, change section, or audit full semester courses

September 8                   Last day to submit ID Residency Determination Worksheet

September 26                   Last day to WITHDRAW from early 8-week courses

## **JOB OPPORTUNITIES**

**Manager of Provincial Operations -Brandon, Manitoba.** Ducks Unlimited Canada (DUC), the leader in wetland conservation, is looking for a confident, energetic and dedicated Manager of Provincial Operations (MPO) to lead our Manitoba conservation team of 16 staff. **Requirements:** Undergraduate degree with a strong conservation focus and a background in science, agriculture, natural resources or government relations. Experience supervising a team of multi-disciplinary professionals. Excellent leadership, organizational and interpersonal skills. Strong negotiation and relationship-building skills. Experience managing budgets. Familiarity with the non-profit or environmental conservation sectors are definite assets. Minimum eight years' experience in conservation program delivery, revenue generation and working with partners along with a demonstrated ability to manage and motivate staff make you the ideal candidate for this position. **How to Apply:** If you're a conservation-minded individual who is interested in this opportunity, please submit your cover letter (including salary expectations) and resume for confidential consideration to the attention of Carly Bjornsson, HR Generalist, Ducks Unlimited Canada. **Email:** [resumes@ducks.ca](mailto:resumes@ducks.ca). **Closing Deadline: August 13, 2014.**

## **PAYROLL INFORMATION**

**Our pay period ends Saturday, August 2.** Please be sure to **submit your time by Monday, August 4 at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, August 5** when time cards are due to Payroll. **All faculty and staff need to submit a time card.**

## **FACULTY/STAFF/OTHER MEETINGS**

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

## **DEPARTMENT NEWS**

The **Biological Sciences Faculty Retreat** will be **Thursday, August 21, 2014**.

## **ISU ACADEMIC CALENDAR**

### **Summer Sessions 2014**

Early 8-Week Courses	May 19 to July 11
Middle 4-Week Courses	June 16 to July 11
Late 8-Week Courses	June 16 to August 8
Late 6-Week Courses	June 30 to August 8
Late 4-Week Courses	July 14 to August 8

## **JOB OPPORTUNITIES**

**NASA DEVELOP Program - Paid internship opportunity for current students and recent college graduates.** Great opportunity for those interested in practical applications of remote sensing and GIS, specifically in the field of Earth Science. **Details about the internship** including our locations and how to apply can be found at <http://develop.larc.nasa.gov/>. **The fall application window is open from June 9 to July 18** with the term starting September 15 and lasting through November 21. **Responsibilities will include:** literature review, data processing and analysis, composing of deliverables including a technical paper, presentation, and video. Previous GIS or remote sensing knowledge, while beneficial, are not required for acceptance. Applicants must have excellent communication, writing skills and be able to work in a fast-paced environment. Days of the week are flexible but applicants should be able to commit to 10-20 hours per week for the spring or fall terms. Position is paid on an hourly basis and determined by education level.

**The Idaho Department of Fish and Game is currently recruiting for the following positions:**

**There are two current openings for Regional Wildlife Biologist - Habitat.** One position is located in Salmon, Idaho and the other position is located in Mud Lake, Idaho. **An open competitive announcement is posted until Wednesday, July 23, 2014.** The announcement is located at the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00835049971](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835049971).

**There is also an opening for a Regional Wildlife Biologist/Landowner Sportsmen Coordinator.** The position is located at our Panhandle Regional office in Coeur d'Alene, Idaho. **An open competitive announcement is posted until Wednesday, July 23, 2014.** The announcement is located at the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00835034061](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835034061). Applications will only be accepted through the website. EEO/Vets Preference.

**Farm Bill Wildlife Biologist position in Pampa, Texas with Pheasants Forever.** The incumbent will serve as a Farm Bill Biologist providing biological/wildlife technical assistance for USDA-Natural Resources Conservation Service, Texas Parks and Wildlife Department, Pheasants Forever Inc. and Quail

Forever (PF/QF) and other local partners in order to deliver conservation programs to farmers, ranchers and other landowners primarily in the interest of Lesser Prairie Chicken Conservation. The position will be an employee of, and be supervised by Pheasants Forever, Inc. with daily instruction and leadership provided by local partners. **To apply, please follow the link: [www.pheasantsforever.org/jobs](http://www.pheasantsforever.org/jobs). Only ONLINE applications will be accepted.** Please include your cover letter, resume and 3 references as 1 Word document or PDF file on the recruitment website. **Position application closes July 25, 2014.**

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## **PAYROLL INFORMATION**

**Our pay period ends Saturday, July 19.** Please be sure to **submit your time by Monday, July 21 at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, July 22** when time cards are due to Payroll. **All faculty and staff need to submit a time card.**

## **FACULTY/STAFF/OTHER MEETINGS**

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

## **DEPARTMENT NEWS**

**Kevin L. Monteith** (ISU), **Ryan A. Long** (ISU), Vernon C. Belich (California Department of Fish and Game), James R. Heffelfinger (Arizona Game and Fish Department), Paul R. Krausman (University of Montana), and **R. Terry Bowyer** (ISU) have received the **2014 California Department of Fish and Game Employee Excellence Award** for the **Outstanding Scientific Publication** for their 2013 Wildlife Monograph (183:1-16) entitled *Effects of Harvest, Culture, and Climate on Trends in Size of Horn-Like Structures in Trophy Ungulates*. This award recognizes innovation, partnership, vision, leadership and scientific excellence. The award ceremony is Wednesday, May 28 in Sacramento, California.

**Johanna Thalmann**, MS graduate student with **Dr. Terry Bowyer**, was selected as one of the **2014 Northwest Scientific Association Student Research Grant recipients**. She was awarded \$1,350 for her research on "Reproduction and growth of American bison: the influence of extrinsic and intrinsic factors in a varying environment."

**Dr. Colden Baxter** and several ISU Biology students attended the Joint Aquatic Sciences Meeting in Portland, Oregon, May 18-23, 2014, a conference that integrated the annual meetings of several international aquatic science scientific societies. The group presented the following papers and posters at the meeting (ISU Biology students and faculty bolded).

### **Oral presentations:**

**Baxter, C. V.**; Cross, W. F.; **Bellmore, J. R.**; Rosi-Marshall, E.J.; Hall, R. O.; Kennedy, T. E. – Anticipating Responses of Food Webs to Dam Removal: Insights From Theory and Empirical Studies of Dammed and Free-Flowing Rivers. Invited presentation in a special session entitled, "If You Remove It, Will They Come? Evaluating the Response of Biotic Communities to Dam Removal."

**Minshall, G.W.**; **Rugenski, A.** – Climate Moderated Responses to Wildfire by Macroinvertebrates and Basal Food Resources in Montane Wilderness Streams. Invited presentation in a special session entitled, "'The Effects of Fire on Freshwater Ecosystems.'"

**Schenk, M. V.**; **Baxter, C. V.**; **Minshall, G. W.** – Climate and Trajectory of Riparian Regrowth Mediate Mid-Term Patterns of Primary and Secondary Productivity After Wildfire in Wilderness Streams of Idaho. Invited presentation in a special session entitled, "The Effects Of Fire On Freshwater Ecosystems."

Davis, E. A.; Schindler, D. E.; **Baxter, C. V.**; Jankowski, K. – Wildfire Effects on Stream Metabolism Across Gradients of Time and Fire Severity in an Idaho Wilderness Watershed. Invited presentation in a special session entitled, "The Effects of Fire on Freshwater Ecosystems."

**Blackadar, R. J.**; **Baxter, C. V.**; **Davis, J. M.** – River Ice Disturbance: Effects on Organic-Matter Dynamics and Feeding Ecology of Aquatic Insects. Invited presentation in a special session entitled, 'Ecological Processes of Aquatic Systems in Winter.'

**Collins, S. F.**; **Baxter, C. V.**; Marcarelli, A. M.; Wipfli, M.S.; Florin, S.; Felicetti, L.; Servheen, G. – Direct and Indirect Responses of Stream and Riparian Organisms to Experimental Subsidies of Salmon. Invited presentation in a special session entitled, "Emergent Insects as Focal Taxa for Bridging Ecological Understanding Across Ecosystems: A Synthesis of Current Knowledge and Novel Applications."

Mejia, F. H.; Baxter, C. V.; Fremier, A. K.; Bellmore, J. R.; Berntsen, E. K. – Effects of Hyporheic

Exchange on the Growth of Post-Emergent Chinook Salmon in Winter and Early Spring.

Richins, E. H.; **Heinrich, K. K.**; **Baxter, C. V.**; Eby, L.; Marczak, L. – An Investigation of New Zealand Mudsail Invasion and Riparian Habitat Structure Effects on Web-Building Spiders

**Poster presentation:**

**Behn, K. E.**; **Baxter, C. V.** – A Native Fish Capitalizes on Allochthonous Resources Delivered by Seasonal, Scouring Floods in a Desert River.

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## ISU ACADEMIC CALENDAR

### Summer Sessions 2014

Early 6-Week Courses	May 19 to June 27
Early 8-Week Courses	May 19 to July 11
Middle 4-Week Courses	June 16 to July 11
Late 8-Week Courses	June 16 to August 8
Late 6-Week Courses	June 30 to August 8
Late 4-Week Courses	July 14 to August 8

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## JOB OPPORTUNITIES

**The Department of Fisheries Resource Management-Research is recruiting for full-time regular position: LOSTINE RIVER MONITORING & EVALUATION PROJECT LEADER HR-14-150**

Position to lead hatchery supplementation effectiveness evaluations and radio telemetry studies in the Lostine River for the Nez Perce Tribe. Requires a B.S in Fisheries or closely related field (M.S. preferred) with three years (1 year with M.S. degree) of professional level experience and two years supervisory experience. This position requires a valid driver's license with the ability to be insured under the Tribe's Policy. (If your driver's license is not issued from Idaho or Washington; a Motor Vehicle Report (MVR) from the state your driver's license is issued, is required with your application). College transcripts and three letters of reference required. Job inquiries can be directed to [jasonv@nezperce.org](mailto:jasonv@nezperce.org) or 208-621-3602.

**Closing Date: June 30, 2014. To apply:** Send complete application packet, College transcripts, and three letters of reference required to: Project Leader I HR-14-150, P.O. Box 365, Lapwai, ID 83540, (208)843-7332. Tribal preference applies. **INCOMPLETE APPLICATION PACKETS WILL NOT BE CONSIDERED.** Application Packets at [www.nezperce.org](http://www.nezperce.org). For more information about the job contact Jason Vogel at (208) 621-3602.

**Collaborative Restoration: From Community Efforts to Landscape Scale. October 6-10, 2014.**

**Redmond Oregon ~ Eagle Crest Resort. Call for Abstracts for Oral and Poster Presentations.**

**We invite you to submit abstracts for oral or poster presentations** speaking to restoration of forest, prairie, shrub-steppe and woodland ecosystems; watershed, riparian and stream restoration; selection, availability and utilization of native plant materials; social, cultural and economic implications of restoration; weather, climate and climate change impacts; or any other aspect of ecological restoration in the Great Basin and Pacific Northwest. **Please submit an abstract for your presentation** by 5:00 Pacific time, Monday, June 30, 2014 indicating whether your preference is for a poster or oral presentation. Please indicate if you are submitting your presentation to a specific symposium. Oral presentations will either be assigned to a topical symposium or organized subject session, or re-assigned to a poster format depending on scheduling and/or space limitations. Presenters will be notified of the status of their submission by July 31, 2014. For more information go to: <http://us3.campaign-archive1.com/?u=2e2914299252fb19ba201a0c9&id=2ba444680c&e=90d3bcf304>.

**Ducks Unlimited, Inc., the world's leading wetland and waterfowl conservation organization, is seeking qualified candidates for the Manager of Conservation Programs to lead our conservation efforts in the four-state region of Arkansas, Mississippi, Tennessee and Alabama with primary focus on the Mississippi Alluvial Valley (MAV).** A minimum of 5 years of related experience and a M.S. or

Ph.D. in ecology, biology, or environmental sciences is preferred. Candidates must have excellent communication skills and the ability to work both independently and as a member of a diverse team. Significant regional travel is required. This position will be located at the Southern Regional Office in Ridgeland, Mississippi and will report to the Director of Conservation Programs - Southeast Region. **To apply, please see our website at [www.ducks.org/jobs](http://www.ducks.org/jobs)** to submit a cover letter and resume indicating your qualifications and why you are interested in the position by **July 3, 2014**. For additional information, please contact Craig LeSchack, Director of Conservation Programs, at [cleschack@ducks.org](mailto:cleschack@ducks.org) or (843) 745-9110.

**NASA DEVELOP Program - Paid internship opportunity for current students and recent college graduates.** Great opportunity for those interested in practical applications of remote sensing and GIS, specifically in the field of Earth Science. **Details about the internship** including our locations and how to apply can be found at <http://develop.larc.nasa.gov/>. **The fall application window is open from June 9 to July 18** with the term starting September 15 and lasting through November 21. **Responsibilities will include:** literature review, data processing and analysis, composing of deliverables including a technical paper, presentation, and video. Previous GIS or remote sensing knowledge, while beneficial, are not required for acceptance. Applicants must have excellent communication, writing skills and be able to work in a fast-paced environment. Days of the week are flexible but applicants should be able to commit to 10-20 hours per week for the spring or fall terms. Position is paid on an hourly basis and determined by education level.

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## PAYROLL INFORMATION

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

## **FACULTY/STAFF/OTHER MEETINGS**

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

## **DEPARTMENT NEWS**

**Kevin L. Monteith** (ISU), **Ryan A. Long** (ISU), Vernon C. Belich (California Department of Fish and Game), James R. Heffelfinger (Arizona Game and Fish Department), Paul R. Krausman (University of Montana), and **R. Terry Bowyer** (ISU) have received the **2014 California Department of Fish and Game Employee Excellence Award** for the **Outstanding Scientific Publication** for their 2013 Wildlife Monograph (183:1-16) entitled *Effects of Harvest, Culture, and Climate on Trends in Size of Horn-Like Structures in Trophy Ungulates*. This award recognizes innovation, partnership, vision, leadership and scientific excellence. The award ceremony is Wednesday, May 28 in Sacramento, California.

**Johanna Thalmann**, MS graduate student with **Dr. Terry Bowyer**, was selected as one of the **2014 Northwest Scientific Association Student Research Grant recipients**. She was awarded \$1,350 for her research on "Reproduction and growth of American bison: the influence of extrinsic and intrinsic factors in a varying environment."

## **ISU ACADEMIC CALENDAR**

### **Summer Sessions 2014**

Early 4-Week Courses	May 19 to June 13
Early 6-Week Courses	May 19 to June 27
Early 8-Week Courses	May 19 to July 11
Middle 4-Week Courses	June 16 to July 11
Late 8-Week Courses	June 16 to August 8
Late 6-Week Courses	June 30 to August 8
Late 4-Week Courses	July 14 to August 8

## **JOB OPPORTUNITIES**

**Seasonal Employment Opportunities Summer 2014 - Willamette National Forest - Detroit Ranger District.** The Wyoming Game and Fish Department is offering the game warden competitive examination at several locations between **March 25, 2014 and June 14, 2014**, to qualified candidates. Candidates must have a Bachelor's degree in wildlife management, range management, biology, zoology, ichthyology or other closely related field. For more information regarding these season positions, please contact Daryl Whitmore (District Wildlife Biologist), 503-854-4225 or email [dwhitmore@fs.fed.us](mailto:dwhitmore@fs.fed.us). **Position qualifications** can be found at <http://www.opm.gov/qualifications>. **To apply** go to <https://www.usajobs.gov/>.

**Seeking 1 highly motivated wildlife technician** to conduct amphibian surveys in southeast Idaho, including Bannock, Caribou, Bingham, Bear Lake, Power, Oneida, and Franklin counties. Primary duties include intensive sampling of amphibian populations, assessing habitat and environmental variables at survey sites, sampling amphibians for pathogens, and data management. **Prefer 3 years of college**

**coursework** in an accredited wildlife, fisheries, wetland ecology, or biology program; or equivalent in training and experience. Applicants with the ability to recognize and identify amphibians will be given preference. Successful applicants must be well organized, highly responsible, physically fit, and able to work closely with others. Must be willing to travel extensively, camp in a travel trailer, work in adverse weather conditions, and work a 4-day work week (10 hours/day). Applicants must be at least 18 years of age and possess a valid driver's license. **Applicants must register** with Idaho Department of Labor Job Services (<https://www2.labor.idaho.gov/idahoworks/es/jobsearch/>) **Submit letter of interest**, resume or CV (including 3 references), and a completed IDFG Application for Temporary Employment Form to Becky Abel, Idaho Department of Fish and Game, 1345 Barton Rd, Pocatello, ID 83204. **Email is preferred** [becky.abel@idfg.idaho.gov](mailto:becky.abel@idfg.idaho.gov). EEO/Veterans Preference.

**The Idaho Department of Fish and Game is currently recruiting for the following position. Regional Wildlife Biologist-Population** – The current opening is located in McCall, Idaho and the announcement may be used to fill future statewide openings. The announcement may be accessed through the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00835004779](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835004779). Applicants must apply online through the link listed above. **The announcement closing date is Friday, June 6, 2014.**

**NASA DEVELOP Program - Paid internship opportunity for current students and recent college graduates.** Great opportunity for those interested in practical applications of remote sensing and GIS, specifically in the field of Earth Science. **Details about the internship** including our locations and how to apply can be found at <http://develop.larc.nasa.gov/>. **The fall application window is open from June 9 to July 18** with the term starting September 15 and lasting through November 21. **Responsibilities will include:** literature review, data processing and analysis, composing of deliverables including a technical paper, presentation, and video. Previous GIS or remote sensing knowledge, while beneficial, are not required for acceptance. Applicants must have excellent communication, writing skills and be able to work in a fast-paced environment. Days of the week are flexible but applicants should be able to commit to 10-20 hours per week for the spring or fall terms. Position is paid on an hourly basis and determined by education level.

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## **PAYROLL INFORMATION**

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

## **FACULTY/STAFF/OTHER MEETINGS**

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

## **DEPARTMENT NEWS**

As part of their coursework in **Cell Biology Laboratory (BIOL2207)**, **69 ISU students** completed service learning projects in which they were challenged to communicate cellular biology concepts to elementary and middle school students in the region. Cell students created demonstrations, pamphlets and posters discussing topics ranging from ice nucleating bacteria in the atmosphere and biofuel production to human health and nutrition. On **April 29, 2014**, 13 groups of students put on a science fair in the Department, which hosted 80 students from Grace Lutheran Middle School as well as their teachers and parental chaperones. During the semester, an additional four groups of students took their projects into classrooms in Pocatello and Idaho Falls (Dora Erickson Elementary, Franklin Middle School, Greenacres Elementary) and the Idaho Science and Engineering Festival held on campus. Conservative estimates indicate that these projects reached over 200 people in the region. **Dr. Carolyn Weber** would like to thank the students for their dedication to these projects as well as co-instructors **Dr. Kinta Serve, Jennifer Abbruzzese** and **Kaleb Heinrich** for serving as project mentors and event coordinators. All instructors wish to thank **Dr. Mark Austin** and **staff members in the Department of Biological Sciences** for supporting this effort.

The **Department of Biological Sciences 34th Annual Reception** honoring the graduating classes of Summer 2013, Fall 2013, and Spring 2014 was held on **Friday, May 9, 2014**. Congratulations to all the graduates! **Matthew Dean** was recognized as the **2014 Outstanding Graduate Student**, **Michael Madrid** was recognized as the **2014 Outstanding Graduate TA**, and **Amber Slatosky** was recognized as the **2014 Outstanding Student**. **Dr. Jack Rose** was recognized as the **Outstanding Graduate Teacher and Mentor for 2014**.

**Dr. Terry Bowyer** will travel to **Anchorage, Alaska**, from **May 18-22, 2014**, to attend and give a plenary presentation at the **US International Association of Landscape Ecologists meeting** entitled, "Moose and wolves: application of management and conservation strategies based on predator-prey ratios."

## **ISU ACADEMIC CALENDAR**

May 26                      Memorial Day – No School

## **JOB OPPORTUNITIES**

**Seasonal Employment Opportunities Summer 2014 - Willamette National Forest - Detroit Ranger District.** The Wyoming Game and Fish Department is offering the game warden competitive examination at several locations between **March 25, 2014 and June 14, 2014**, to qualified candidates. Candidates must have a Bachelor's degree in wildlife management, range management, biology, zoology, ichthyology or other closely related field. For more information regarding these season positions, please contact Daryl Whitmore (District Wildlife Biologist), 503-854-4225 or email [dwhitmore@fs.fed.us](mailto:dwhitmore@fs.fed.us). **Position qualifications** can be found at <http://www.opm.gov/qualifications>. **To apply** go to <https://www.usajobs.gov/>.

**City of Blackfoot - Parks and Recreation Internship** (Temporary Position). **Salary Range:** \$10.00-11.00 per hour. **For more information go to:** <http://www.cityofblackfoot.org/employment>.

The **Idaho Department of Fish and Game** has a job opening for a **Geographic Information System Analyst, Senior** on open competitive announcement until **Friday, May 23, 2014**. Applications will only be accepted through this website. EEO/Vets Preference. The announcement is located at the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=03290005452](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=03290005452).

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## **PAYROLL INFORMATION**

**Our pay period ends Saturday, May 24.** Please be sure to **submit your time by Monday, May 26 at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, May 27** when time cards are due to Payroll. **All faculty and staff need to submit a time card.**

## **FACULTY/STAFF/OTHER MEETINGS**

**Biological Sciences Faculty Meeting** will be on **Tuesday, April 29, 2014**, in **Lecture Center 15/17** at **noon**.

## **SEMINARS**

**Taylor Goodnoe**, MS graduate student with **Dr. Jeff Hill**, will present a proposal seminar on **Thursday, May 1, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Matthew Schenk**, MS graduate student with **Dr. Colden Baxter**, will present his proposal seminar on **Thursday, May 1, 2014**, in **Lecture Center 10** at **12:00 Noon**.

## **GRANTS AWARDED**

**Dr. Tim Magnuson** has received a grant (\$430,000) from the **National Aeronautics and Space Administration** for a project titled "Origins of Microbial Iron Respiration." Co-investigators on the grant include **Drs. Mike Thomas and Loubin Yang** of Biological Sciences.

**Dr. Tim Magnuson** has received a subcontract (\$50,000) from **Pacific Northwest National Laboratory** for a project titled "Screening of Microbes for Iodine Transformation."

## **DEPARTMENT NEWS**

**Dr. Tim Magnuson** attended the 'Metals, Mining, and Microbes in Minnesota' workshop at the University of Minnesota, March 4-6, 2014. This workshop addressed challenges in future mining endeavors in Minnesota (Dr. Magnuson's home state).

**ISU Department of Biological Sciences Open House and Research Symposium** will be **Wednesday, April 30, 2014**, from **11:00 AM to 1:00 PM** in the **Gale Life Science (BLG #65) in the foyer**. This event will feature research poster presentations by the ISU Biology faculty and their students. Refreshments will be provided.

The **Department of Biological Sciences 34th Annual Reception** honoring the graduating classes of Summer 2013, Fall 2013, and Spring 2014 will be **Friday, May 9, 2014**, at **2:00 PM** in the foyer of the Gale Life Science Building.

## **ISU ACADEMIC CALENDAR**

<b>April 28</b>	Late 8-week and full semester course grading opens
<b>April 28-May 2</b>	Closed week
<b>May 5-9</b>	FINAL Examinations
<b>May 9</b>	Seniors - Last day to file application for August graduation
<b>May 10</b>	Commencement (December & May graduates)
<b>May 13</b>	Late 8-week and full semester course grading closes at 5:00 pm

## JOB OPPORTUNITIES

**Seasonal Employment Opportunities Summer 2014 - Willamette National Forest - Detroit Ranger District.** The Wyoming Game and Fish Department is offering the game warden competitive examination at several locations between **March 25, 2014 and June 14, 2014**, to qualified candidates. Candidates must have a Bachelor's degree in wildlife management, range management, biology, zoology, ichthyology or other closely related field. For more information regarding these season positions, please contact Daryl Whitmore (District Wildlife Biologist), 503-854-4225 or email [dwhitmore@fs.fed.us](mailto:dwhitmore@fs.fed.us). **Position qualifications** can be found at <http://www.opm.gov/qualifications>. **To apply** go to <https://www.usajobs.gov/>.

**City of Blackfoot - Parks and Recreation Internship** (Temporary Position). **Salary Range:** \$10.00-11.00 per hour. **For more information go to:** <http://www.cityofblackfoot.org/employment>.

**Salmon Valley Stewardship** is seeking a student currently enrolled in a college natural resources program to serve as our conservation program intern funded through a grant from **US Fish and Wildlife Service**. The intern will work with a wide variety of partners on a broad range of conservation projects. The hourly rate is \$13 for 30 hrs/wk for approximately 10 weeks this summer. For more information about Salmon Valley Stewardship, go to [www.salmonvalley.org](http://www.salmonvalley.org) or call [208-756-1686](tel:208-756-1686). Email a cover letter and resume to [info@salmonvalley.org](mailto:info@salmonvalley.org) by **May 5, 2014**.

## PAYROLL INFORMATION

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

## FACULTY/STAFF/OTHER MEETINGS

There will not be a **Biological Sciences Faculty Meeting** on **Tuesday, April 22, 2014**.

## SEMINARS

**Dr. David L. Strayer**, Cary Institute of Ecosystems Studies NY will present a seminar on **Thursday, April 24, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Taylor Goodnoe**, MS graduate student with **Dr. Jeff Hill**, will present a proposal seminar on **Thursday, May 1, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Matthew Schenk**, MS graduate student with **Dr. Colden Baxter**, will present his proposal seminar on **Thursday, May 1, 2014**, in **Lecture Center 10** at **12:00 Noon**.

## PUBLICATIONS

Monteith, K.B., **K.L. Monteith**, **R.T. Bowyer**, D.M. Leslie, Jr., and J.A. Jenks. 2014. Reproductive effects on fecal nitrogen as an index of diet quality: an experimental assessment. *Journal of Mammalogy* 95:301-310.

**Monteith, K.L.**, V.C. Bleich, T.R. Stephenson, B.M. Pierce, M.M. Conner, **J.G. Kie**, and **R.T. Bowyer**. 2014. Life-history characteristics of mule deer: effects of nutrition in a variable environment. *Wildlife Monographs* 186:1-56.

## ISU ACADEMIC CALENDAR

<b>April 28</b>	Late 8-week and full semester course grading opens
<b>April 28-May 2</b>	Closed week
<b>May 5-9</b>	FINAL Examinations
<b>May 9</b>	Seniors - Last day to file application for August graduation
<b>May 10</b>	Commencement (December & May graduates)
<b>May 13</b>	Late 8-week and full semester course grading closes at 5:00 pm

## JOB OPPORTUNITIES

**Seasonal Employment Opportunities Summer 2014 - Willamette National Forest - Detroit Ranger District.** The Wyoming Game and Fish Department is offering the game warden competitive examination at several locations between **March 25, 2014 and June 14, 2014**, to qualified candidates. Candidates must have a Bachelor's degree in wildlife management, range management, biology, zoology, ichthyology or other closely related field. For more information regarding these season positions, please contact Daryl Whitmore (District Wildlife Biologist), 503-854-4225 or email [dwhitmore@fs.fed.us](mailto:dwhitmore@fs.fed.us). **Position qualifications** can be found at <http://www.opm.gov/qualifications>. **To apply** go to <https://www.usajobs.gov/>.

**City of Blackfoot - Parks and Recreation Internship** (Temporary Position). **Salary Range:** \$10.00-11.00 per hour. **For more information go to:** <http://www.cityofblackfoot.org/employment>.

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## **PAYROLL INFORMATION**

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

## **FACULTY/STAFF/OTHER MEETINGS**

There will not be a **Biological Sciences Faculty Meeting** on **Tuesday, April 8, 2014**.

## **SEMINARS**

**Johanna Thalmann**, MS graduate student with **Dr. Terry Bowyer**, will present her proposal seminar on **Thursday, April 10, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Dr. Jim Bono**, USDA, will present a seminar on **Wednesday, April 16, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Jamie Henry**, PhD graduate student with **Dr. Shawn Bearden**, will present her proposal seminar on **Monday, April 14, 2014**, in **Lecture Center 10** at **11:00 AM**.

**Leasha Christensen**, MS graduate student with **Dr. Peter Sheridan**, will present her proposal seminar on **Thursday, April 17, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Lytle Denny**, MS graduate student with **Dr. Colden Baxter**, will present his proposal seminar on **Thursday, April 17, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Dr. Ann Revill**, University of Alberta, will present a seminar on **Thursday, April 17, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Dr. David L. Strayer**, Cary Institute of Ecosystems Studies NY will present a seminar on **Thursday, April 24, 2014**, in **Lecture Center 10** at **4:00 PM**.

## **DEPARTMENT NEWS**

**Predators; Prey; Habitats Forum** at **Idaho State University** on **Wednesday, April 9, 2014**, will feature experts talking on wolves, cougars, grizzly bears and other predators, and their effects on prey species and habitats. The free forum is sponsored by the South East Idaho Environmental Network and **the ISU Department of Biological Sciences** and will be held in **Lecture Hall 10** in the **ISU Gale Life Sciences Building**. A variety of experts will present the results of their research on these predators, offering informative presentations for the scientific community and general public. This is a chance to learn how these predators, like wolves and grizzly bears, which are often in media headlines, really affect their prey species and habitats. Presentations include: *Habitat, Large Herbivores, and Predators: Conceptual Flaws and Conspicuous Myths*, by **Terry Bowyer, ISU professor of biological sciences**; *Cascading cougars? The contingencies of cougar effects on prey*, by David Mattson, a wildlife biologist with the U.S. Geological Survey's Biological Resources Division, stationed at the Colorado Plateau Field Station in Flagstaff, Ariz.; *The Wolves of Yellowstone – and other Controversial Topics*, by Doug Smith, National Park Service senior wildlife biologist, Yellowstone Center for Resources; and *Yellowstone's grizzly bears: New science, old hostilities, and a way forward*, by Louisa Willcox, National Resources Defense Council senior wildlife advocate, based in Livingston, Mont. If you have any question, contact Keene Hueftle, Chair, Southeast Idaho Environmental Network, (208) 232- 8862.

**Biological Sciences** will have **academic advising** for the following degrees: **BA Biology, BS Biology, BS Microbiology, and BS Biochemistry**. Advisors will be available in the **Gale Life Sciences Foyer (Building 65)** starting **Wednesday, April 9 through Tuesday, April 15 from 11:00 AM to 2:00 PM**. **No appointments are necessary**. Stop by and meet with an advisor before Fall 2014 registration begins! **ALL SENIORS** who plan to graduate in August or December 2014 should submit a Departmental degree check which will be available at the Advising Table.

## ISU ACADEMIC CALENDAR

<b>April 11</b>	Last day to WITHDRAW from late 8-week courses
<b>April 14</b>	Class level registration begins for Fall 2014 (subject to change)
<b>April 28</b>	Late 8-week and full semester course grading opens
<b>April 28-May 2</b>	Closed week
<b>May 5-9</b>	FINAL Examinations
<b>May 9</b>	Seniors - Last day to file application for August graduation
<b>May 10</b>	Commencement (December & May graduates)
<b>May 13</b>	Late 8-week and full semester course grading closes at 5:00 pm

## JOB OPPORTUNITIES

**Seasonal Employment Opportunities Summer 2014 - Willamette National Forest - Detroit Ranger District.** The Wyoming Game and Fish Department is offering the game warden competitive examination at several locations between **March 25, 2014 and June 14, 2014**, to qualified candidates. Candidates must have a Bachelor's degree in wildlife management, range management, biology, zoology, ichthyology or other closely related field. For more information regarding these season positions, please contact Daryl Whitmore (District Wildlife Biologist), 503-854-4225 or email [dwhitmore@fs.fed.us](mailto:dwhitmore@fs.fed.us). **Position qualifications** can be found at <http://www.opm.gov/qualifications>. **To apply** go to <https://www.usajobs.gov/>.

The **NASA Idaho Space Grant and NASA EPSCoR Program** is now accepting fellowship applications. Students pursuing a master or doctoral degree at Boise State University, **Idaho State University** or the University of Idaho are encouraged to apply. Applicants must 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. **Please view website and applications for specific requirements:** <http://id.spacegrant.org/index.php?page=fellowships>. If you have any questions, please call Angela (208) 885-6438 or email [angelaf@uidaho.edu](mailto:angelaf@uidaho.edu).

### **Fellowships Available:**

Idaho NASA EPSCoR Research Fellowship - **Deadline: Monday, April 14, 2014**

NASA ISGC Research Fellowship - **Deadline: Monday, April 14, 2014**

The **Idaho Department of Fish and Game** has a job opening for a **Regional Wildlife Biologist - Habitat** on open competitive announcement until **Friday, April 18, 2014**. Applications will only be accepted through this website. EEO/Vets Preference. The announcement is located at the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00835037570](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835037570).

## PAYROLL INFORMATION

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

## **FACULTY/STAFF/OTHER MEETINGS**

There will not be a **Biological Sciences Faculty Meeting** on **Tuesday, April 1, 2014**.

## **SEMINARS**

**Joshua Wright**, MS graduate student with **Dr. Gene Scalarone**, will present his proposal seminar on **Thursday, April 3, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Ann Tan**, BS/MS graduate student with **Dr. Marc Benson**, will present her proposal seminar on **Thursday, April 3, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Johanna Thalmann**, MS graduate student with **Dr. Terry Bowyer**, will present her proposal seminar on **Thursday, April 10, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Dr. Jim Bono**, USDA, will present a seminar on **Thursday, April 10, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Jamie Henry**, PhD graduate student with **Dr. Shawn Bearden**, will present her proposal seminar on **Friday, April 11, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Leasha Christensen**, MS graduate student with **Dr. Peter Sheridan**, will present her proposal seminar on **Thursday, April 17, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Lytle Denny**, MS graduate student with **Dr. Colden Baxter**, will present his proposal seminar on **Thursday, April 17, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Colette Harris**, MS graduate student with **Dr. James Groome**, will present her proposal seminar on **Thursday, April 24, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Dr. David L. Strayer**, Cary Institute of Ecosystems Studies NY will present a seminar on **Thursday, April 24, 2014**, in **Lecture Center 10** at **4:00 PM**.

## **PUBLICATIONS**

**Rugenski, A. T., and G.W. Minshall**. 2014. Climate-moderated responses to wildfire by macroinvertebrates and basal food resources in montane wilderness streams. *Ecosphere* 5(3):25.

**Collins, S. F. and C.V. Baxter**. 2014. Heterogeneity of riparian habitats mediates responses of terrestrial arthropods to a subsidy of Pacific salmon carcasses. *Ecosphere* (In press).

Zahn Seegert, S.E., E.J. Rosi-Marshall, **C.V. Baxter**, T.A. Kennedy, R.O. Hall, Jr., and W.F. Cross. 2014. High diet overlap between native small-bodied fishes and non-native Fathead Minnow in the Colorado River, Grand Canyon, Arizona. *Transactions of the American Fisheries Society* (In press).

**Marcarelli, A.M., C.V. Baxter** and M.S. Wipfli. 2014. Nutrient additions to mitigate for loss of Pacific salmon: consequences for stream biofilm and nutrient dynamics. *Ecosphere* (In press).

## DEPARTMENT NEWS

**Dr. Ryan Long**, 2013 PhD student with **Dr. Terry Bowyer** and **John Kie**, recently accepted a position at the University of Idaho as an Assistant Professor in the Department of Fish and Wildlife Sciences.

**Patrick Lendrum**, 2012 MS student with **Dr. Terry Bowyer**, recently was admitted to PhD program in the Department of Fish, Wildlife, and Conservation Biology at Colorado State University.

**Five Idaho State University faculty members** have been chosen to receive **2014 Outstanding Master Teacher awards**. They will be honored at a reception held on April 9 and one will be selected for the ISU Distinguished Teacher Award. The faculty members receiving these awards are: **Catherine Black, associate lecturer in the Department of Biological Sciences**; Alex Bolinger, assistant professor of management; Paul Link, professor of geosciences; Lois Marquette, assistant clinical professor and ISU alumni; and Kelly Fanning Pesnell, assistant clinical professor and family nurse practitioner.

**Five Idaho State University faculty members** have been chosen to receive **2014 Outstanding Public Service awards**. They will be honored at a reception held on April 9 and one will be chosen for the 2014 Distinguished Service Award. The faculty members receiving these awards are: Lawrence H. Beaty, executive director of the ISU Energy Systems Technology and Education Center; Alex Bolinger, assistant professor of management; **Ernest Keeley, professor of biology**; Cathy Kriloff, professor of mathematics; and Joshua Pak, professor of chemistry.

**Five Idaho State University faculty members** have received **2014 Outstanding Researcher awards** and will be honored at a reception on April 9. One Outstanding Researcher will receive the 2014 ISU Distinguished Researcher Award. The winner will be announced at the reception. The faculty that will receive ISU Outstanding Researcher awards are: Jennifer Attebery, professor of English; Rex W. Force, associate dean for clinical research in the Division of Health Sciences; Alan Hunt, associate professor of physics; Erika Kuhlman, professor of history; and **Kathleen Lohse, associate professor of ecology**.

## ISU ACADEMIC CALENDAR

<b>March 31</b>	Fall 2014 Class Schedule viewable online (subject to change)
<b>April 11</b>	Last day to WITHDRAW from late 8-week courses
<b>April 14</b>	Class level registration begins for Fall 2014 (subject to change)
<b>April 28</b>	Late 8-week and full semester course grading opens
<b>April 28-May 2</b>	Closed week
<b>May 5-9</b>	FINAL Examinations
<b>May 9</b>	Seniors - Last day to file application for August graduation
<b>May 10</b>	Commencement (December & May graduates)
<b>May 13</b>	Late 8-week and full semester course grading closes at 5:00 pm

## JOB OPPORTUNITIES

**Seasonal Employment Opportunities Summer 2014 - Willamette National Forest - Detroit Ranger District.** The Wyoming Game and Fish Department is offering the game warden competitive examination at several locations between **March 25, 2014 and June 14, 2014**, to qualified candidates. Candidates must have a Bachelor's degree in wildlife management, range management, biology, zoology, ichthyology or other closely related field. For more information regarding these season positions, please contact Daryl Whitmore (District Wildlife Biologist), 503-854-4225 or email [dwhitmore@fs.fed.us](mailto:dwhitmore@fs.fed.us). **Position**

**qualifications** can be found at <http://www.opm.gov/qualifications>. **To apply** go to <https://www.usajobs.gov/>.

The **NASA Idaho Space Grant and NASA EPSCoR Program** is now accepting fellowship applications. Students pursuing a master or doctoral degree at Boise State University, **Idaho State University** or the University of Idaho are encouraged to apply. Applicants must 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. **Please view website and applications for specific requirements:** <http://id.spacegrant.org/index.php?page=fellowships>. If you have any questions, please call Angela (208) 885-6438 or email [angelaf@uidaho.edu](mailto:angelaf@uidaho.edu).

**Fellowships Available:**

Idaho NASA EPSCoR Research Fellowship - **Deadline: Monday, April 14, 2014**

NASA ISGC Research Fellowship - **Deadline: Monday, April 14, 2014**

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## **PAYROLL INFORMATION**

**Our pay period ends Saturday, March 29.** Please be sure to **submit your time by Monday, March 31 at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, April 1** when time cards are due to Payroll. **All faculty and staff need to submit a time card.**

## **FACULTY/STAFF/OTHER MEETINGS**

**Biological Sciences Faculty Meeting** will be on **Tuesday, March 18, 2014**, in **Lecture Center 15/17** at **noon**.

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## **SEMINARS**

**Lindsay Curran**, MS graduate student with **Dr. Keith Reinhardt**, will present her proposal seminar, "Sagebrush seedling ecophysiology: Environmental and biotic limitations to establishment in a changing climate," on **Thursday, March 20, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Kathryn McAbee**, MS graduate student with **Dr. Keith Reinhardt**, will present her proposal seminar on **Thursday, March 20, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Joshua Wright**, MS graduate student with **Dr. Gene Scalarone**, will present his proposal seminar on **Thursday, April 3, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Ann Tan**, BS/MS graduate student with **Dr. Marc Benson**, will present her proposal seminar on **Thursday, April 3, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Jamie Henry**, PhD graduate student with **Dr. Shawn Bearden**, will present her proposal seminar on **Thursday, April 3, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Johanna Thalmann**, MS graduate student with **Dr. Terry Bowyer**, will present her proposal seminar on **Thursday, April 10, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Dr. Jim Bono**, USDA, will present a seminar on **Thursday, April 10, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Leasha Christensen**, MS graduate student with **Dr. Peter Sheridan**, will present her proposal seminar on **Thursday, April 17, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Lytle Denny**, MS graduate student with **Dr. Colden Baxter**, will present his proposal seminar on **Thursday, April 17, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Colette Harris**, MS graduate student with **Dr. James Groome**, will present her proposal seminar on **Thursday, April 24, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Dr. David L. Strayer**, Cary Institute of Ecosystems Studies NY will present a seminar on **Thursday, April 24, 2014**, in **Lecture Center 10** at **4:00 PM**.

## PUBLICATIONS

Noonan CW, Conway K, Landguth EL, McNew T, Linker L, **Pfau J**, Black B, Szeinuk J, Flores R. 2014. Multiple pathway asbestos exposure assessment for a Superfund community. *Journal of Exposure Science And Environmental Epidemiology*. (In Press).

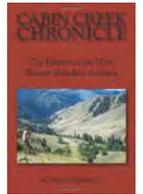
Zebedeo, C.N., C. Davis, C. Peña, K.W. Ng, **J.C. Pfau**. 2014. Erionite induces production of autoantibodies and IL-17 in C57BL/6 mice. *Toxicology and Applied Pharmacology*, 275:257-264.

## DEPARTMENT NEWS

**Dr. Jean Pfau** traveled to Washington DC March 10-13, 2014, to give invited talks for major funding agencies, NIH, CDC, and ATSDR, seeking to advance funding in the area of asbestos and autoimmune disease.

MRCF personnel, **Erin O’Leary-Jepsen** and **Michelle Andrews**, will be attending the annual meeting of the **Association of Biomolecular Resource Facilities (ABRF)** in Albuquerque, NM **March 22-26, 2014**. The ABRF is an international society dedicated to advancing core and research biotechnology laboratories through research, communication, and education.

**Dr. G. Wayne Minshall**, Biological Sciences emeritus faculty, published his book, “Cabin Creek Chronicle: The History of the Most Remote Ranch in America. If you are interested in his book which has over 160 pages and 100 photos, please contact him at [minswayn@isu.edu](mailto:minswayn@isu.edu) .



## ISU ACADEMIC CALENDAR

- March 21** Last day to WITHDRAW from full semester courses
- March 21** Fall 2014 Class Schedule viewable online (subject to change)
- March 24-28** Spring Break (no classes)

## JOB OPPORTUNITIES

**Summer 2014 Willamette National Forest Detroit Ranger District Seasonal Employment Opportunities.** There will be several botany job opportunities on the Detroit Ranger District in Detroit, Oregon, this upcoming field season. **Positions available may include:** Biological Science Technician (Botany) GS-04/05/6. You must apply under “Detroit”. Position qualifications can be found at: <http://www.opm.gov/qualifications/>. Announcements for these positions will be posted on the USAJOBS websites. Go to <https://www.usajobs.gov/> to apply. **Position Opens 3/5/2014 Closes 3/17/2014.** For more information regarding specific seasonal positions, please contact Chris Wagner (Botanist) 503-854-3890 or email [clwagner@fs.fed.us](mailto:clwagner@fs.fed.us).

**Seasonal Employment Opportunities Summer 2014 - Willamette National Forest - Detroit Ranger District.** The Wyoming Game and Fish Department is offering the game warden competitive examination at several locations between **March 25, 2014 and June 14, 2014**, to qualified candidates. Candidates must have a Bachelor’s degree in wildlife management, range management, biology, zoology, ichthyology or other closely related field. For more information regarding these season positions, please contact Daryl Whitmore (District Wildlife Biologist), 503-854-4225 or email [dwhitmore@fs.fed.us](mailto:dwhitmore@fs.fed.us). **Position qualifications** can be found at <http://www.opm.gov/qualifications>. **To apply** go to <https://www.usajobs.gov/>.

The **Wyoming Game and Fish Department** is offering the game warden competitive examination at several locations between **March 25, 2014, and June 14, 2014**, to qualified candidates. Candidates must

have a Bachelor's degree in wildlife management, range management, biology, zoology, ichthyology or other closely related field. Degrees such as criminal justice, education, outdoor recreation, etc. do not qualify. **For more information on Game Warden Exam qualifications and testing locations**, go to the Wyoming Game and Fish Department website at <http://wgfd.wyo.gov/web2011/wildlife-1001571.aspx> or call 307-777-4585.

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## **PAYROLL INFORMATION**

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

## **FACULTY/STAFF/OTHER MEETINGS**

There will not be a **Biological Sciences Faculty Meeting** on **Tuesday, March 11, 2014.**

## **SEMINARS**

**Lindsay Curran**, MS graduate student with **Dr. Keith Reinhardt**, will present her proposal seminar on **Thursday, March 20, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Kathryn McAbee**, MS graduate student with **Dr. Keith Reinhardt**, will present her proposal seminar on **Thursday, March 20, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Joshua Wright**, MS graduate student with **Dr. Gene Scalarone**, will present his proposal seminar on **Thursday, April 3, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Ann Tan**, BS/MS graduate student with **Dr. Marc Benson**, will present her proposal seminar on **Thursday, April 3, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Jamie Henry**, PhD graduate student with **Dr. Shawn Bearden**, will present her proposal seminar on **Thursday, April 3, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Johanna Thalmann**, MS graduate student with **Dr. Terry Bowyer**, will present her proposal seminar on **Thursday, April 10, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Dr. Jim Bono**, USDA, will present a seminar on **Thursday, April 10, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Leasha Christensen**, MS graduate student with **Dr. Peter Sheridan**, will present her proposal seminar on **Thursday, April 17, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Lytle Denny**, MS graduate student with **Dr. Colden Baxter**, will present his proposal seminar on **Thursday, April 17, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Colette Harris**, MS graduate student with **Dr. James Groome**, will present her proposal seminar on **Thursday, April 24, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Dr. David L. Strayer**, Cary Institute of Ecosystems Studies NY will present a seminar on **Thursday, April 24, 2014**, in **Lecture Center 10** at **4:00 PM**.

## **DEPARTMENT NEWS**

**Dr. Colden Baxter** traveled to Spokane, Washington, **February 10-11, 2014**, to deliver an invited presentation to the Northern Rockies Invasive Plants Council entitled, "Effects of Russian Olive on Stream Organisms and Ecosystem Processes."

**Dr. Colden Baxter** was selected as the **2014 Leslie L Schaffer Lecturer in Forest Sciences** at the **University of British Columbia, Vancouver, BC**. The Schaffer Lectureship was established in 1981 for

the purpose of disseminating scientific understanding among forestry students, professional foresters, scientists and the public. The lecturer is chosen by the graduate students of the program, and it is the UBC College of Forestry's most prestigious annual event. Dr. Baxter traveled there February 18, 2014, to give an invited lecture entitled, "Fire and Ice: Responses by Stream-Riparian Ecosystems to Shifting Disturbance Regimes and Some Consequences for Forest Management."

## ISU ACADEMIC CALENDAR

<b>March 10</b>	Late 8-week courses begin
<b>March 11</b>	Early 8-week course grading closes at 5:00 pm
<b>March 14</b>	Last day to add/drop late 8-week courses
<b>March 21</b>	Last day to WITHDRAW from full semester courses
<b>March 21</b>	Fall 2014 Class Schedule viewable online (subject to change)
<b>March 24-28</b>	Spring Break (no classes)

## OPPORTUNITIES

**Montana Gray Wolf Program** is seeking professional caliber volunteers to assist with the Montana Gray Wolf Conservation and Management Program. This is a great opportunity to gain valuable field experience and references, while working in the rugged and beautiful Montana Rocky Mountains. **Application Period:** Apply Now! **Candidates will be selected after March 15.** **How to Apply:** Create a single digital file (word doc or pdf) containing these three application components: 1) Cover letter demonstrating how you meet the Qualifications outlined above and specifying your period of availability. 2) Resume detailing previous experience, particularly if relevant to the Duties outlined above. 3) List of 3 references with their name, email address, phone number, and how they know you. Name the document as: lastname\_firstname\_wolf2013, e.g. laudon\_kent\_wolf2014.pdf. **Failure to comply** with the above instructions may result in forfeiture of your application. **Email application packet to:** Kent Laudon ([klaudon@mt.gov](mailto:klaudon@mt.gov)). **To learn more:** <http://fwp.mt.gov/fishAndWildlife/management/wolf/>.

## JOB OPPORTUNITIES

**The Idaho Department of Fish and Game** has a full-time, limited service job opening for a **Regional Wildlife Biologist** – Population at our Upper Snake Regional office in Idaho Falls on open competitive announcement until **Wednesday, March 12, 2014**. The announcement is located at the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00835001161](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835001161). Applications will only be accepted through this website. EEO/Vets Preference.

**Summer 2014 Willamette National Forest Detroit Ranger District Seasonal Employment Opportunities.** There will be several botany job opportunities on the Detroit Ranger District in Detroit, Oregon, this upcoming field season. **Positions available may include:** Biological Science Technician (Botany) GS-04/05/6. You must apply under "Detroit". Position qualifications can be found at: <http://www.opm.gov/qualifications/>. Announcements for these positions will be posted on the USAJOBS websites. Go to <https://www.usajobs.gov/> to apply. **Position Opens 3/5/2014 Closes 3/17/2014.** For more information regarding specific seasonal positions, please contact Chris Wagner (Botanist) 503-854-3890 or email [clwagner@fs.fed.us](mailto:clwagner@fs.fed.us).

## PAYROLL INFORMATION

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

## **FACULTY/STAFF/OTHER MEETINGS**

**Biological Sciences Faculty Meeting** will be on **Tuesday, March 4, 2014**, in **Lecture Center 15/17** at **Noon**.

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## **SEMINARS**

**Lindsay Curran**, MS graduate student with **Dr. Keith Reinhardt**, will present her proposal seminar on **Thursday, March 20, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Kathryn McAbee**, MS graduate student with **Dr. Keith Reinhardt**, will present her proposal seminar on **Thursday, March 20, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Joshua Wright**, MS graduate student with **Dr. Gene Scalarone**, will present his proposal seminar on **Thursday, April 3, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Ann Tan**, BS/MS graduate student with **Dr. Marc Benson**, will present her proposal seminar on **Thursday, April 3, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Jamie Henry**, PhD graduate student with **Dr. Shawn Bearden**, will present her proposal seminar on **Thursday, April 3, 2014**, in **Lecture Center 10** at **4:00 PM**.

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**Leasha Christensen**, MS graduate student with **Dr. Peter Sheridan**, will present her proposal seminar on **Thursday, April 17, 2014**, in **Lecture Center 10** at **12:00 Noon**.

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## **ISU ACADEMIC CALENDAR**

<b>March 3-7</b>	Mid-term week
<b>March 7</b>	Seniors: Last day to file application for May graduation
<b>March 10</b>	Late 8-week courses begin

<b>March 11</b>	Early 8-week course grading closes at 5:00 pm
<b>March 14</b>	Last day to add/drop late 8-week courses
<b>March 21</b>	Last day to WITHDRAW from full semester courses
<b>March 21</b>	Fall 2014 Class Schedule viewable online (subject to change)
<b>March 24-28</b>	Spring Break (no classes)

## OPPORTUNITIES

The **American Association of University Women's Start Smart initiative** will offer job behavioral interviewing and salary negotiating workshops geared towards women on **March 6 and 7** at **Idaho State University**. Participation is aimed at ISU women seniors or graduate students, but community members may attend on a space-available basis. Workshop participants will have an opportunity to hone their job interview skills and to learn salary benchmarking in preparation for their first jobs following college graduation. The **behavioral interviewing workshop** will be held from **3 to 5 p.m. on Thursday, March 6** and a **salary negotiating workshop** will be held from **1 to 3:30 p.m. on Friday, March 7** in the ISU Pond Student Union Clearwater Room. There is no cost for the workshops, but seating is limited so pre-registration is required at: <https://www.surveymonkey.com/s/StartSmartSpring2014>. **For more information on the workshops contact:** Linda Leeuwrik, 282-3974 or [leeulind@isu.edu](mailto:leeulind@isu.edu), Stephanie Richardson, 282-3590 or [richstep@isu.edu](mailto:richstep@isu.edu), or visit [www.isu.edu/andersoncenter](http://www.isu.edu/andersoncenter).

**Montana Gray Wolf Program** is seeking professional caliber volunteers to assist with the Montana Gray Wolf Conservation and Management Program This is a great opportunity to gain valuable field experience and references, while working in the rugged and beautiful Montana Rocky Mountains. **Application Period:** Apply Now! **Candidates will be selected after March 15.** **How to Apply:** Create a single digital file (word doc or pdf) containing these three application components: 1) Cover letter demonstrating how you meet the Qualifications outlined above and specifying your period of availability. 2) Resume detailing previous experience, particularly if relevant to the Duties outlined above. 3) List of 3 references with their name, email address, phone number, and how they know you. Name the document as: lastname\_firstname\_wolf2013, e.g. laudon\_kent\_wolf2014.pdf. **Failure to comply** with the above instructions may result in forfeiture of your application. **Email application packet to:** Kent Laudon ([klaudon@mt.gov](mailto:klaudon@mt.gov)). **To learn more:** <http://fwp.mt.gov/fishAndWildlife/management/wolf/>.

## JOB OPPORTUNITIES

A post-doctoral **Research Associate (GS-11/12) position** is available at the **USDA-ARS National Small Grains Germplasm Research Facility** located in **Aberdeen, ID USA**. Funding is available for at least two years, with extension to four years total possible based on availability of funds and on performance. It is restricted to U.S. citizens who have received their Ph. D. within the last four years; exceptions to the latter restriction may be granted in certain instances. The assignment is to: 1) identify conserved regions of *Fusarium* genes critical for virulence; 2) construct vectors encoding dsRNA against such genes and use them to transform *Fusarium*; 3) assess the effects of each vector on fungal growth and mycotoxin production; and 4) modify fungal transformation vectors with activity against *Fusarium* for use in *Agrobacterium*-mediated transformation of barley. **The position requires a Ph.D.** in molecular biology, molecular genetics, plant pathology, genetics, or a related field. Knowledge of current methods of genomic analysis, vector construction and transformation (plant, animal, or fungi), and/or gene expression regulation is required, including current techniques related to conducting such research. **Interested persons are encouraged to contact Dr. Phil Bregitzer** at [phil.bregitzer@ars.usda.gov](mailto:phil.bregitzer@ars.usda.gov) or 208-397-4162 ext. 116, for more details or discussion. The official job announcement is posted on USAJOBS (see <https://www.usajobs.gov/GetJob/ViewDetails/359111900>) and all applications for the position must be submitted as specified on this site. This site contains numerous links describing compensation, benefits, and other details.

**Idaho Power Environmental Tech I Intern – Boise, ID** (Tracking Code 2277). **Wage:** \$12.25 – 14.76 (non-exempt). **Application Deadline:** 3/4/2014. **JOB DESCRIPTION:** This is a temporary, 12-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. **To be considered for this position,** please visit our website at [www.idahopower.com/careers](http://www.idahopower.com/careers) and complete our online application. If you have questions, or require assistance or accommodation to complete the online application, please contact us at: Phone: 208-388-2965 or Email: [jobs@idahopower.com](mailto:jobs@idahopower.com) Idaho Power is an Equal Opportunity Employer.

**2014 Summer Field Positions Beneficial Use Reconnaissance Program (BURP).** The Idaho Department of Environmental Quality (DEQ) is hiring 25 Environmental Technicians to evaluate the water quality conditions in Idaho's streams. **Apply Online at Idaho Division of Human Resources website** [www.dhr.idaho.gov](http://www.dhr.idaho.gov). Announcement # NONCLS037308. **Open: February 3 – March 7, 2014.** Duties Include: monitoring water quality, collecting fish and aquatic insects, electrofishing, surveying habitat, performing stream bank surveys. EEO/Vets.

**The Nez Perce Tribe Dept. of Fisheries Resources Research Management Division** is recruiting for: **PROFESSIONAL I - FISHERIES BIOLOGIST I** HR-14-110 regular full-time position located at Orofino, Idaho, field office. To oversee all aspects of coded wire tagging, marking (ad-clipping) and PIT Tagging NPT hatchery fish which includes operation and maintenance of the Auto-fish and PIT tagging trailers, quality control checks, and coordination with NPT staff on marking schedules. Requirements include Bachelor's Degree in related field (Master's preferred). Related field and/or course work requirements defined in Job Expectations. Experience does not substitute for degree. Technical experience in related field preferred; demonstrated leadership experience preferred. Requires valid driver's license with the ability to be insured under the Tribes policy. **A complete application packet includes:** NPT application (available through Human Resources (208) 843-7332 or on the NPT web site at [nezperce.org](http://nezperce.org)), resume and three letters of reference. **Send to:** Biologist I-HR-14-110, P.O. Box 365, Lapwai, ID 83540 by 4:30 PM on 3/07/14. Indian Preference applies. For more information contact Bill Arnsberg at (208) 476-7296 ext. 3578. **INCOMPLETE APPLICATION PACKETS WILL NOT BE CONSIDERED. This position closes on 3/07/14.**

**The Idaho Department of Fish and Game** has a full-time, limited service job opening for a **Regional Wildlife Biologist** – Population at our Upper Snake Regional office in Idaho Falls on open competitive announcement until **Wednesday, March 12, 2014.** The announcement is located at the following link: [https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00835001161](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835001161). Applications will only be accepted through this website. EEO/Vets Preference.

**USDA Forest Service Intermountain Region, R4 Humboldt-Toiyabe National Forest Carson Ranger District** is anticipating on filling several 1039 Temporary Seasonal positions for the 2014 season. **How to Apply:** Through the announcement you may be instructed to electronically attach additional information (e.g.; resume, DD-214, SF-50, training documentation/certificates, college transcripts, etc.) **The applicant must select “Carson City, NV” as a desired duty station to be considered.** Announcements for positions will be posted on the USAJOBS website. These web-based applications provide individuals interested in employment opportunities with the Forest Service to apply for jobs. You must log into USAJOBS to create an account and an applicant profile. [www.usajobs.gov](http://www.usajobs.gov). For step by step details on how to apply: [http://fsweb.asc.fs.fed.us/HRM/eRecruit/documents/FS\\_CM\\_HowtoApplyforaJob.pdf](http://fsweb.asc.fs.fed.us/HRM/eRecruit/documents/FS_CM_HowtoApplyforaJob.pdf).

## **PAYROLL INFORMATION**

**Our pay period ends Saturday, March 1.** Please be sure to **submit your time by Monday, March 3 at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, March 4** when time cards are due to Payroll. **All faculty and staff need to submit a time card.**

## **FACULTY/STAFF/OTHER MEETINGS**

There will not be a Biological Sciences Faculty Meeting on Tuesday, February 25, 2014.

## **SEMINARS**

**Maritza Rosales**, MS graduate student with **Dr. Peter Sheridan**, will present her proposal seminar on **Thursday, February 27, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Lindsay Curran**, MS graduate student with **Dr. Keith Reinhardt**, will present her proposal seminar on **Thursday, March 20, 2014**, in **Lecture Center 10** at **12:00 Noon**.

**Kathryn McAbee**, MS graduate student with **Dr. Keith Reinhardt**, will present her proposal seminar on **Thursday, March 20, 2014**, in **Lecture Center 10** at **12:00 Noon**.

## **PUBLICATIONS**

**Fan C**, **Lehmann-Horn F**, **Weber M-A**, **Bednarz M**, **Groome JR**, **Jonsson MKB**, **Jurkat-Rott K**. 2013. Transient compartment like syndrome and normokalemic periodic paralysis due to a CaV1.1 mutation. *Brain* 136:3775-3786.

## **ISU ACADEMIC CALENDAR**

<b>February 24</b>	Early 8-week course grading opens
<b>March 3-7</b>	Mid-term week
<b>March 7</b>	Seniors: Last day to file application for May graduation
<b>March 10</b>	Late 8-week courses begin
<b>March 11</b>	Early 8-week course grading closes at 5:00 pm
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## **OPPORTUNITIES**

**NASA DEVELOP PROGRAM - paid internship opportunity** for current students and recent college graduates. Great opportunity for participants who are interested in practical applications of remote sensing and GIS, specifically in the field of Earth Science. Projects focus on addressing local and international community concerns while utilizing NASA's Earth observations. Students will work with NASA scientists and partner organizations to learn about the use of NASA remote sensing imagery for use in water resources, disaster management, ecological forecasting, and other applications to address environmental community concerns. Details about the internship can be found at <http://develop.larc.nasa.gov/> and applications are now being accepted online! **The summer internship deadline is Friday, February 28, 2014**, with the term starting June 2nd and lasting through August 8th. We also have fall and spring internships available. Responsibilities will include: literature review, data processing and analysis,

composing of deliverables including a technical paper, presentation, and video. Previous GIS or remote sensing knowledge, while beneficial, are not required for acceptance. Applicants must have excellent communication, writing skills and be able to work in a fast-paced environment. Applicants should be able to commit to 30-40 hours per week for the summer term. Position is paid on an hourly basis and determined by education level.

Each year the **Nation Science Foundation** supports an 11-week **Research Experience for Undergraduates** (REU) program at the University of Virginia's Historic Blandy Experimental Farm (May 26-August 8, 2014). Students receive a \$5,500 stipend, free housing, and support to cover food and research. Ten Undergraduate Fellowships are available each year, awarded on a competitive basis. **Graduate Fellowships also available.** Summer stipends and on-site housing are available for graduate or post-doctoral students proposing original research that uses our resources and facility and that contributes to the ongoing science program at the station. Up to 10 summer Graduate Fellowships are available each year. **How to Apply:** Application materials and complete program descriptions may be found on the Blandy website at [www.blandy.virginia.edu](http://www.blandy.virginia.edu). **Application Deadline: Saturday, March 1, 2014.**

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A post-doctoral **Research Associate (GS-11/12) position** is available at the **USDA-ARS National Small Grains Germplasm Research Facility** located in **Aberdeen, ID USA**. Funding is available for at least two years, with extension to four years total possible based on availability of funds and on performance. It is restricted to U.S. citizens who have received their Ph. D. within the last four years; exceptions to the latter restriction may be granted in certain instances. The assignment is to: 1) identify conserved regions of *Fusarium* genes critical for virulence; 2) construct vectors encoding dsRNA against such genes and use them to transform *Fusarium*; 3) assess the effects of each vector on fungal growth and mycotoxin production; and 4) modify fungal transformation vectors with activity against *Fusarium* for use in *Agrobacterium*-mediated transformation of barley. **The position requires a Ph.D.** in molecular biology, molecular genetics, plant pathology, genetics, or a related field. Knowledge of current methods of genomic analysis, vector construction and transformation (plant, animal, or fungi), and/or gene expression regulation is required, including current techniques related to conducting such research. **Interested persons are encouraged to contact Dr. Phil Bregitzer** at [phil.bregitzer@ars.usda.gov](mailto:phil.bregitzer@ars.usda.gov) or 208-397-4162 ext. 116, for more details or discussion. The official job announcement is posted on USAJOBS (see <https://www.usajobs.gov/GetJob/ViewDetails/359111900>) and all applications for the position must be submitted as specified on this site. This site contains numerous links describing compensation, benefits, and other details.

**VEGETATION MONITORING TECHNICIANS — SEASONAL 2014.** The **Eastern Nevada Landscape Coalition (ENLC)** is currently seeking **vegetation monitoring technicians** for our upcoming 2014 field season. Located in Ely, Nevada, ENLC is a non-profit conservation organization comprised of public, private, and non-profit partners dedicated to the restoration of Western ecosystems through collaborative teamwork. ENLC conducts a variety of vegetation/wildlife monitoring projects throughout the Nevada and surrounding states and is requesting applications for a minimum of six (6) vegetation monitoring technicians. Four (4) vegetation monitoring technicians will be selected to work in the Elko District of the Bureau of Land Management (BLM) and at least two (2) vegetation monitoring technicians will be selected to work out of ENLC's Ely office, mostly within the Ely BLM District. Applicants should email a cover letter, resume, and the contact information for at least three references to Julie Thompson at [jthompson@envlc.org](mailto:jthompson@envlc.org). **Materials should be emailed by February 24, 2014.** Applicants are welcomed to apply for positions in one or both districts. Please indicate "Ely Application," "Elko Application" or "Either District Application" in the subject of your email. For more information, please visit our website (<http://www.envlc.org>) or email Julie Thompson at [jthompson@envlc.org](mailto:jthompson@envlc.org).

**Ecological Research Technicians.** The **Environmental, Surveillance, Education, and Research Program at the Idaho National Laboratory (INL) Site** has positions available for three students to work as paid technicians collecting and managing data on ecological research projects funded by the Department of Energy (DOE). The focus of the 2014 summer field season will be on data collection to support sage grouse habitat monitoring. Data from this project are used to assess habitat condition, monitor changes in habitat quality, and measure the effects of vegetation change on habitat availability. **The positions are temporary, full-time for the 2014 summer field season (late May to mid-August)** and the anticipated start date is May 27. **Valid driver's license and proof of insurance are required. Must be a US citizen.** A cover letter, resume, transcripts and two letters of reference should be sent to: Dr. Roger D. Blew, Environmental Surveillance, Education, and Research Program, Gonzales-Stoller Surveillance, LLC, 120 Technology Drive, Idaho Falls, ID 83401. E-mail application materials and letters of reference will be accepted ([rblew@gssif.com](mailto:rblew@gssif.com)). **Review of applications will begin Saturday, March 1, 2014 and remain open until the positions are filled.** Questions should be addressed to Dr. Roger D. Blew at [rblew@gssif.com](mailto:rblew@gssif.com) or visit the Environmental Surveillance, Education, and Research Program web page at [www.gsseser.com](http://www.gsseser.com).

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## **FACULTY/STAFF/OTHER MEETINGS**

**Biological Sciences Faculty Meeting** will be on **Tuesday, February 11, 2014**, in **Lecture Center 15/17** at **noon**.

## **SEMINARS**

**Dr. Susannah French**, Utah State University, will present a seminar, "Natural and anthropogenic variations in stress and immunity," on **Thursday, February 13, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Dr. Jean Pfau**, Idaho State University Biological Sciences, will present a seminar, "The Role of Autoantibodies in Asbestos-Induced Pleural Disease," on **Thursday, February 20, 2014**, in **Lecture Center 10** at **4:00 PM**.

## **PUBLICATIONS**

Muehlbauer, J.D., **S.F. Collins**, M.W. Doyle and K. Tockner. 2014. How wide is a stream? Spatial extent of the potential "stream signature" in terrestrial food webs using meta-analysis. *Ecology* 95:44-55.

<http://dx.doi.org/10.1890/12-1628.1>

## **ISU ACADEMIC CALENDAR**

**February 10** - Summer registration begins for ALL class levels (subject to change)

**February 14** - Last day to WITHDRAW from early 8-week courses

**February 17** - Presidents' Day holiday (no classes)

**February 24** - Early 8-week course grading opens

## **OPPORTUNITIES**

**The UW Environmental Health Research Experience Program (EHREP)** is a funded, nine-week summer experience for undergraduates 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/ehrep>. **Application Deadline: Friday, February 14, 2014.**

**The Center for Environmental Farming Systems (CEFS) Summer Sustainable Agriculture Internship Program.** This eight-week internship program (June 2 – July 25, 2014) 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. The goal is to provide experiential learning opportunities through collaboration with faculty from North Carolina State University (NCSU) and North Carolina Agricultural and Technical State University (NCA&T) and farm staff from the North Carolina Department of Agriculture and Consumer Services (NCDA&CS). The internship combines topical subject matter with real-world, hands-on agricultural experience and problem solving through

various field trips to farms, markets and community sites. As part of their research experience, interns will be mentored by NCSU, NCA&TSU and NCDA&CS faculty and staff from a variety of fields working in sustainable agriculture at CEFS. Students will also have the unique experience of learning about community food systems as they visit and work with a variety of community members in town of Goldsboro. Student interns will be able to receive 6 credits from NCSU for the internship program. **All applications for the CEFS Summer Internship Program must be RECEIVED by Friday, February 14, 2014.**

**The Michigan State University Kellogg Biological Station (KBS)** is currently accepting applications for the **Summer 2014 Research Experience for Undergraduates (REU) Program**. KBS will be funding 8-10 REUs on projects related to Ecology, Evolutionary Biology, and Sustainable Agriculture. The KBS REU program provides Free Room & Board, up to \$400 in travel expenses, up to \$500 in research funds, and a \$4,500 stipend. The program runs 10-weeks from late May to early August. Applicants must be currently enrolled as a full time student. We especially welcome applications from students from underrepresented groups in the sciences and first generation college students. Research projects for Summer 2014 include: Plant Eco-physiology, Restoration ecology, Mating system evolution, Using soil tests to survey farmer attitudes about soil health, Effects of genetic diversity on plants and insects, Algal adaptation to temperature and nutrients, and The role of mutualisms in plant adaptation. For more information or to apply please visit: <http://www.kbs.msu.edu/education/reu>. **Applications are due Saturday, February 15, 2014.**

**NASA DEVELOP PROGRAM - paid internship opportunity** for current students and recent college graduates. Great opportunity for participants who are interested in practical applications of remote sensing and GIS, specifically in the field of Earth Science. Projects focus on addressing local and international community concerns while utilizing NASA's Earth observations. Students will work with NASA scientists and partner organizations to learn about the use of NASA remote sensing imagery for use in water resources, disaster management, ecological forecasting, and other applications to address environmental community concerns. Details about the internship can be found at <http://develop.larc.nasa.gov/> and applications are now being accepted online! **The summer internship deadline is Friday, February 28, 2014**, with the term starting June 2nd and lasting through August 8th. We also have fall and spring internships available. Responsibilities will include: literature review, data processing and analysis, composing of deliverables including a technical paper, presentation, and video. Previous GIS or remote sensing knowledge, while beneficial, are not required for acceptance. Applicants must have excellent communication, writing skills and be able to work in a fast-paced environment. Applicants should be able to commit to 30-40 hours per week for the summer term. Position is paid on an hourly basis and determined by education level.

Each year the **Nation Science Foundation** supports an 11-week **Research Experience for Undergraduates (REU)** program at the University of Virginia's Historic Blandy Experimental Farm (May 26-August 8, 2014). Students receive a \$5,500 stipend, free housing, and support to cover food and research. Ten Undergraduate Fellowships are available each year, awarded on a competitive basis. **Graduate Fellowships also available.** Summer stipends and on-site housing are available for graduate or post-doctoral students proposing original research that uses our resources and facility and that contributes to the ongoing science program at the station. Up to 10 summer Graduate Fellowships are available each year. **How to Apply:** Application materials and complete program descriptions may be found on the Blandy website at [www.blandy.virginia.edu](http://www.blandy.virginia.edu). **Application Deadline: Saturday, March 1, 2014.**

## JOB OPPORTUNITIES

**Sage-grouse and Raven Monitoring Technician. The Environmental, Surveillance, Education, and Research Program at the Idaho National Laboratory (INL) Site** is seeking four individuals to work as technicians monitoring sage-grouse and ravens. Positions are temporary full-time, with an anticipated employment period from 10 March to 9 May 2014. **Valid driver's license and proof of insurance** are

required. **Must be a US citizen.** A cover letter, resume, transcripts and two letters of reference should be sent to: Dr. Roger D. Blew, Environmental Surveillance, Education, and Research Program, Gonzales-Stoller Surveillance, LLC. 120 Technology Drive, Idaho Falls, ID 83401. E-mail application materials and letters of reference will be accepted ([rblew@gssif.com](mailto:rblew@gssif.com)). **Review of applications will begin Friday, February 14, 2014 and remain open until the positions are filled.** Questions should be addressed to Dr. Roger D. Blew at [rblew@gssif.com](mailto:rblew@gssif.com) or visit the Environmental Surveillance, Education, and Research Program web page at [www.gsseser.com](http://www.gsseser.com).

**The Greater Yellowstone Coalition and National Park Service** are partnering for the seventh year to offer an 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 intern will be a member of Grand Teton National Park's Wildlife Brigade – an interdisciplinary team responsible for promoting ethical wildlife viewing practices, assisting with traffic and people management during roadside wildlife jams, performing patrols in developed areas to secure food and other bear attractants, educating visitors about bear safety at trailheads and on popular trails, and providing interpretive education for park visitors about wildlife and other park resources. **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 "2014 Wildlife Brigade Intern" in the subject line to ensure proper delivery. **Requested materials are due by midnight (MST) on February 16, 2014.** Before hiring, a background check will be required. Internship will be filled by mid-March. Questions should be directed to Chris Colligan at [ccolligan@greateryellowstone.org](mailto:ccolligan@greateryellowstone.org).

**INVASIVE PLANT TECHNICIANS – SEASONAL 2014.** The Eastern Nevada Landscape Coalition (ENLC) is currently **hiring two (2) invasive plant technicians** to work in the **Elko District** of the **Bureau of Land Management (BLM)**. Located in Ely, Nevada, ENLC is a non-profit conservation organization comprised of public, private, and non-profit partners dedicated to the restoration of the Western ecosystems through collaborative teamwork. Applicants should email a cover letter, resume, and the contact information for at least three references to Julie Thompson at [jthompson@envlc.org](mailto:jthompson@envlc.org). Please put "Weed technician" in the subject line. **Materials should be emailed by February 21, 2014.** For more information, please visit our website (<http://www.envlc.org>) or email Julie Thompson at [jthompson@envlc.org](mailto:jthompson@envlc.org).

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**Ecological Research Technicians.** The **Environmental, Surveillance, Education, and Research Program at the Idaho National Laboratory (INL) Site** has positions available for three students to work as paid technicians collecting and managing data on ecological research projects funded by the Department of Energy (DOE). The focus of the 2014 summer field season will be on data collection to support sage

grouse habitat monitoring. Data from this project are used to assess habitat condition, monitor changes in habitat quality, and measure the effects of vegetation change on habitat availability. **The positions are temporary, full-time for the 2014 summer field season (late May to mid-August)** and the anticipated start date is May 27. **Valid driver's license** and **proof of insurance** are required. **Must be a US citizen.** A cover letter, resume, transcripts and two letters of reference should be sent to: Dr. Roger D. Blew, Environmental Surveillance, Education, and Research Program, Gonzales-Stoller Surveillance, LLC, 120 Technology Drive, Idaho Falls, ID 83401. E-mail application materials and letters of reference will be accepted ([rblew@gssif.com](mailto:rblew@gssif.com)). **Review of applications will begin Saturday, March 1, 2014 and remain open until the positions are filled.** Questions should be addressed to Dr. Roger D. Blew at [rblew@gssif.com](mailto:rblew@gssif.com) or visit the Environmental Surveillance, Education, and Research Program web page at [www.gsseser.com](http://www.gsseser.com).

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

## **FACULTY/STAFF/OTHER MEETINGS**

No Biological Sciences Faculty Meeting on Tuesday, February 4, 2014.

## **SEMINARS**

**Jeff Villepique**, PhD graduate student with **Dr. Terry Bowyer**, will present his defense seminar, "Resource selection by an endangered ungulate: Can an evolutionarily stable strategy be overridden by a fierce predator?" on **Tuesday, February 4, 2014**, in **Lecture Center 10** at **12:00 Noon**.

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## **ISU ACADEMIC CALENDAR**

**February 10** - Summer registration begins for ALL class levels (subject to change)

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## **OPPORTUNITIES**

**The UW Environmental Health Research Experience Program (EHREP)** is a funded, nine-week summer experience for undergraduates 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/ehrep>. **Application Deadline: February 14, 2014.**

**The Center for Environmental Farming Systems (CEFS) Summer Sustainable Agriculture Internship Program.** This eight-week internship program (June 2 – July 25, 2014) 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. The goal is to provide experiential learning opportunities through collaboration with faculty from North Carolina State University (NCSU) and North Carolina Agricultural and Technical State University (NCA&T) and farm staff from the North Carolina Department of Agriculture and Consumer Services (NCDA&CS). The internship combines topical subject matter with real-world, hands-on agricultural experience and problem solving through various field trips to farms, markets and community sites. As part of their research experience, interns will be mentored by NCSU, NCA&TSU and NCDA&CS faculty and staff from a variety of fields working in

sustainable agriculture at CEFS. Students will also have the unique experience of learning about community food systems as they visit and work with a variety of community members in town of Goldsboro. Student interns will be able to receive 6 credits from NCSU for the internship program.

**All applications for the CEFS Summer Internship Program must be RECEIVED by Wednesday, February 14, 2014.**

**NASA DEVELOP PROGRAM - paid internship opportunity** for current students and recent college graduates. Great opportunity for participants who are interested in practical applications of remote sensing and GIS, specifically in the field of Earth Science. Projects focus on addressing local and international community concerns while utilizing NASA's Earth observations. Students will work with NASA scientists and partner organizations to learn about the use of NASA remote sensing imagery for use in water resources, disaster management, ecological forecasting, and other applications to address environmental community concerns. Details about the internship can be found at <http://develop.larc.nasa.gov/> and applications are now being accepted online! **The summer internship deadline is February 28, 2014**, with the term starting June 2nd and lasting through August 8th. We also have fall and spring internships available. Responsibilities will include: literature review, data processing and analysis, composing of deliverables including a technical paper, presentation, and video. Previous GIS or remote sensing knowledge, while beneficial, are not required for acceptance. Applicants must have excellent communication, writing skills and be able to work in a fast-paced environment. Applicants should be able to commit to 30-40 hours per week for the summer term. Position is paid on an hourly basis and determined by education level.

Each year the **Nation Science Foundation** supports an 11-week **Research Experience for Undergraduates** (REU) program at the University of Virginia's Historic Blandy Experimental Farm (May 26-August 8, 2014). Students receive a \$5,500 stipend, free housing, and support to cover food and research. Ten Undergraduate Fellowships are available each year, awarded on a competitive basis. **Graduate Fellowships also available.** Summer stipends and on-site housing are available for graduate or post-doctoral students proposing original research that uses our resources and facility and that contributes to the ongoing science program at the station. Up to 10 summer Graduate Fellowships are available each year. **How to Apply:** Application materials and complete program descriptions may be found on the Blandy website at [www.blandy.virginia.edu](http://www.blandy.virginia.edu). **Application Deadline: March 1, 2014.**

## JOB OPPORTUNITIES

**The Idaho Department of Fish and Game** has two job openings for a **Regional Fisheries Biologist** and an opening for a **Regional Fisheries Habitat Biologist** on an open competitive announcement until **Monday, February 3, 2014**. The announcement is located at the following link:

[https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00803065669](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00803065669).

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

**The Idaho Department of Fish and Game** has three job openings for a **Regional Wildlife Manager** on an open competitive announcement until **Thursday, February 6, 2014**. The announcement is located at the following link (applications will only be accepted through this website):

[https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement\\_no=00834062354](https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00834062354).

EEO/Vets Preference.

**Sage-grouse and Raven Monitoring Technician. The Environmental, Surveillance, Education, and Research Program at the Idaho National Laboratory (INL) Site** is seeking four individuals to work as technicians monitoring sage-grouse and ravens. Positions are temporary full-time, with an anticipated employment period from 10 March to 9 May 2014. Start and end dates may be flexible, and there may be opportunity for an individual to continue work through the end of May. Pay will range from \$11.00 to \$14.00/hour, depending on experience. Technicians will report at the beginning and end of each day to our Idaho Falls office, and daily field work will be conducted at the INL Site, located 45 miles west of Idaho

Falls. **Technicians will be expected to arrive at the office in Idaho Falls at 4:00 – 4:30 a.m., Monday-Friday**, and will work up to 40 hours/week. Each individual will spend most of the day working independently, often in remote areas. The primary responsibilities will be to count the number of sage-grouse on breeding grounds, locate grouse breeding grounds, and accurately record data on handheld GPS units. In addition, technicians will survey power lines and other infrastructure for raven nests and record pertinent information on handheld GPS units. **Qualifications:** Applicant must be a student of—or have a recent degree in—ecology, biology, rangeland science, wildlife, environmental science, or natural resources. Preference will be given to applicants with field experience. Because of the remote field site, successful candidates must be mature, responsible, and able to work with minimum supervision. Technicians must be comfortable spending most of the day in a vehicle, while enduring sometimes harsh field conditions. Must be able to lift objects that weigh up to 50 pounds including a backpack and kneel/squat for extended periods of time. Must be able to hike over rugged terrain. **Valid driver's license and proof of insurance** are required. **Must be a US citizen.** A cover letter, resume, transcripts and two letters of reference should be sent to: Dr. Roger D. Blew, Environmental Surveillance, Education, and Research Program, Gonzales-Stoller Surveillance, LLC, 120 Technology Drive, Idaho Falls, ID 83401. E-mail application materials and letters of reference will be accepted ([rblew@gssif.com](mailto:rblew@gssif.com)). **Review of applications will begin February 14, 2014 and remain open until the positions are filled.** Questions should be addressed to Dr. Roger D. Blew at [rblew@gssif.com](mailto:rblew@gssif.com) or visit the Environmental Surveillance, Education, and Research Program web page at [www.gsseser.com](http://www.gsseser.com).

**Ecological Research Technicians.** The **Environmental, Surveillance, Education, and Research Program at the Idaho National Laboratory (INL) Site** has positions available for three students to work as paid technicians collecting and managing data on ecological research projects funded by the Department of Energy (DOE). The focus of the 2014 summer field season will be on data collection to support sage grouse habitat monitoring. Data from this project are used to assess habitat condition, monitor changes in habitat quality, and measure the effects of vegetation change on habitat availability. **The positions are temporary, full-time for the 2014 summer field season (late May to mid-August)** and the anticipated start date is May 27. Pay will range from \$11.00 to \$14.00/hour, depending on experience. Technicians will report at the beginning and end of each day to our Idaho Falls office, and daily field work will be conducted at the Idaho National Laboratory (INL) Site, located 45 miles west of Idaho Falls. **Qualifications:** Applicants should currently be college students or recent graduates. Preference will be given to students in ecology, biology, wildlife, environmental science, rangeland science, or related natural resources major. Field crews often work in remote areas of the INL Site with limited access, so successful candidates must be mature, responsible, and able to work with a minimum of supervision. Technicians must be comfortable working in harsh field conditions. Must be able to lift objects that weigh up to 50 pounds including a backpack and kneel/squat for extended periods of time. Must be able to hike over rugged terrain. **Valid driver's license and proof of insurance** are required. **Must be a US citizen.** A cover letter, resume, transcripts and two letters of reference should be sent to: Dr. Roger D. Blew, Environmental Surveillance, Education, and Research Program, Gonzales-Stoller Surveillance, LLC, 120 Technology Drive, Idaho Falls, ID 83401. E-mail application materials and letters of reference will be accepted ([rblew@gssif.com](mailto:rblew@gssif.com)). **Review of applications will begin March 1, 2014 and remain open until the positions are filled.** Questions should be addressed to Dr. Roger D. Blew at [rblew@gssif.com](mailto:rblew@gssif.com) or visit the Environmental Surveillance, Education, and Research Program web page at [www.gsseser.com](http://www.gsseser.com).

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## **FACULTY/STAFF/OTHER MEETINGS**

**No Biological Sciences Faculty Meeting on Tuesday, January 28, 2014.**

## **SEMINARS**

**Scott Collins**, PhD graduate student with **Dr. Colden Baxter**, will present his defense seminar, “The ecological importance of subsidies from salmon to stream-riparian ecosystems: An experimental test and implications for approaches to nutrient mitigation,” on **Tuesday, January 28, 2014**, in **Lecture Center 10** at **1:00 PM**.

**Dr. Amy Marcarelli**, Michigan Tech University, will present a seminar, “Ecosystem approaches to understand stream restoration,” on **Thursday, January 30, 2014**, in **Lecture Center 10** at **4:00 PM**.

**Jeff Villepique**, PhD graduate student with **Dr. Terry Bowyer**, will present his defense seminar, “Resource selection by an endangered ungulate: Can an evolutionarily stable strategy be overridden by a fierce predator?” on **Tuesday, February 4, 2014**, in **Lecture Center 10** at **12:00 Noon**.

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## **DEPARTMENT NEWS**

The **Union Program Council** will be hosting an event for their **Professional Development Series** on **Thursday, January 30** at **Noon** in the **South Fork Salmon River room** in the SUB. This will be a lunch hour presentation for students on jobs available in their fields and tips for employment after graduation. This event will be for students interested in Conservation and Ecology and presented by **Dr. Ernest Keeley**, **Department of Biological Sciences**.

## **PUBLICATIONS**

Cross, W. F., **C. V. Baxter**, E. J. Rosi-Marshall, R. O. Hall, Jr., T. A. Kennedy, K. C. Donner, S.E.Z. Seegert, H. A. W. Kelly, M.D. Yard, and K.E. Behn. 2013. Foodweb dynamics in a large river discontinuum. *Ecological Monographs* 83:311-337.

Benjamin, J.R., F. Lepori, **C.V. Baxter**, and K.D. Fausch. 2013. Can replacement of native by non-native trout alter stream-riparian food webs? *Freshwater Biology* 58:1694–1709 doi:10.1111/fwb.12160

Aho, K. A., December 2013. *Foundational and Applied Statistics for Biologists Using R*. Boca Raton, FL: Chapman and Hall/CRC. <http://www.crcpress.com/product/isbn/9781439873380>

Aho, K., Derryberry, D., Peterson, T. In press. Model selection for ecologists: The worldviews of AIC and BIC. *Ecology*. (To appear in a special issue on information criteria versus p-values.)

Bandyopadhyay, P. S., Greenwood, M., Brittan, G. Jr., Aho, K., and Raby, M. In press. Empiricism and/or instrumentalism. *Erkenntnis*. <http://link.springer.com/article/10.1007%2Fs10670-013-9567-8>

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## SEMINARS

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## PUBLICATIONS

Munns, B and **Meldrum, J.** 2013. Analysis integrity of the Patterson-Gimlin film image. *The Relict Hominoid Inquiry* 2:41-80.

Bindernagel, J and **Meldrum, J.** 2013. Misunderstandings arising from treating the Sasquatch as a subject of cryptozoology. *The Relict Hominoid Inquiry* 2:81-102.

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