

FACULTY/STAFF/OTHER MEETINGS

There will be a **Biological Sciences Faculty Meeting** on **Tuesday, November 10, 2015**, at **12 Noon** in **LC 15/17**.

PUBLICATIONS

Weber, C.F. and J.T. Werth. 2015. Is the lower atmosphere a vast, readily accessible reservoir of culturable antimicrobial compound-producing Actinomycetales? *Frontiers in Microbiology*. doi:10.3389/fmicb.2015.00802

Weber, C.F. 2015. Polytrichum commune spores nucleate ice and associated microorganisms increase the temperature of ice nucleation activity onset *Aerobiologia*. doi:10.1007/s10453-015-9395-1

DEPARTMENT NEWS

Dr. Carolyn Weber and **Jeff Hill** presented an invited seminar, "Looking Skyward: Bioprospecting in the Lower Atmosphere for Antibiotic-Producing Bacteria," for the BMB/CDIB Seminar Series at the Louisiana State University, Department of Biological Sciences, Baton Rouge, LA on Monday, October 26, 2015.

SEMINARS

Kelsey Robson, DA graduate student with **Dr. Rosemary Smith**, will present her proposal seminar, "Bringing Field-Station Research into the Classroom," on **Thursday, November 12** in **Lecture Center 10** at **12 Noon**.

Dr. Jean Pfau, **Idaho State University**, will present a seminar, "Introduction to Flow Cytometry and Its Applications: Go with the Flow!" on **Thursday, November 12** in **Lecture Center 10** at **4:00 PM**.

ISU ACADEMIC CALENDAR

November 9	Class level registration begins for Spring 2016 (subject to change)
November 20	Last day to WITHDRAW from late 8-week courses
November 23-27	Fall recess (no classes -- Thanksgiving Break)
December 7	Late 8-week and full semester course grading opens
December 7-11	Closed week
December 14	Summer 2016 Class Schedule viewable online (subject to change)
December 14-18	FINAL Examinations
December 22	Late 8-week and full semester course grading closes at 5:00 pm
December 23	Fall grades post to student transcript

SCHOLARSHIP OPPORTUNITIES

The **Idaho Chapter of the Wildlife Society** is currently accepting applications for its **2016 Annual Student Scholarships**. The purpose of the scholarships is to assist with college education costs for

undergraduate and graduate students whose professional goals support the mission and objectives of The Wildlife Society. ICTWS is offering a \$1500 scholarship for undergraduate students and a \$2000 scholarship for graduate students. **Application materials may also be found on the ICTWS website (www.ictws.org)** on the “Resources” page.

JOB OPPORTUNITIES

Wetland Quantity and Quality for Waterbirds in Illinois – Field Technicians (1-2). Technicians are needed for a project which examines quantity and quality of wetlands available to waterbirds throughout Illinois. Technicians will be based at the Forbes Biological Field Station in Havana, Illinois, but extensive travel throughout Illinois is required. Field seasons will include spring (February-March), summer (May-June), and fall (August-September). Employment is also available outside of listed field seasons conducting marsh bird surveys, waterfowl surveys, vegetation surveys and sampling, duck banding, laboratory processing of core and diet samples, experimental collection of ducks, Avian Influenza sampling, maintenance and repair of field equipment, waterfowl trapping, and other duties assisting graduate students and scientists. **Position duration:** 1 February 2016 to early September 2016. **Application deadline is Januray 8th, 2016.** Review of applications will begin immediately and suitable technicians may be contacted for interviews prior to the application deadline. Electronic applications required, please send cover letter explaining your qualifications and interest, resume, and names and contact information of three references to: hroffice@inhs.illinois.edu, reference “WQ Project” in the subject line of the email. Direct technical questions to Abigail Blake-Bradshaw at agblake@illinois.edu.

The Wildlife Society (TWS) has openings for two paid Wildlife Policy Interns with an interest in wildlife resource and policy issues. TO APPLY: To apply for the Wildlife Policy Internship, please send a cover letter, résumé, contact information for three references, a college transcript (unofficial or official), two writing samples (one general and one technical; 1-3 pages each), and your dates of availability. If possible, please submit all documents as one PDF. Finalists will be interviewed by telephone. **Applications must be submitted by 15 November 2015.** Please send completed applications via email to: Keith Norris, AWB®; Director of Government Affairs & Partnerships; keith.norris@wildlife.org; 301.897.9770 ext. 309.

The Idaho Department of Fish and Game is currently recruiting for the following positions: There is an opening for **Regional Wildlife Biologist – Farm Bill Coordinator**. This opening is located in American Falls, Idaho. An open competitive announcement is posted until **Thursday, November 12, 2015**. The announcement is located at the following link:

https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835026010.

There are two openings for **Wildlife Technician, Senior**. One opening is with our Southwest Regional office at our Fort Boise Wildlife Management Area located in Parma, Idaho. The other opening is with our Clearwater Regional office at our Craig Mountain Wildlife Management Area located in Lewiston, Idaho. The announcement will be used to fill the two current openings and it may also be used to fill future statewide Wildlife Technician, Senior openings. An open competitive announcement is posted until **Tuesday, November 10, 2015**. The announcement is located at the following link:

https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00792043016.

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

PAYROLL INFORMATION

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

FACULTY/STAFF/OTHER MEETINGS

No **Biological Sciences Faculty Meeting** on **Tuesday, October 27, 2015.**

PUBLICATIONS

*Harris, H.E., **C.V. Baxter** and *J.M. Davis. 2015. Debris flows mediate effects of wildfire on magnitude and composition of tributary subsidies to main-stem habitats. *Freshwater Science* (special issue). In press (slated for December).

Verkaik, I., Vila-Escalé, M., Rieradevall, M., **Baxter, C.V.**, Lake, P.S., Minshall, G.W., Reich, P., and Prat, N. 2015. Stream macroinvertebrate community responses to fire: are they the same in different fire-prone biogeographic regions? *Freshwater Science* (special issue). In press (slated for December).

*Collins, S.F., **C.V. Baxter**, *A.M. Marcarelli and M.S. Wipfli. 2015. Effects of experimentally added salmon subsidies on resident fishes via direct and indirect pathways. *Ecosphere* In Press (slated for October).

*Collins, S. F., *A.M. Marcarelli, **C.V. Baxter**, and M.S. Wipfli. 2015. A critical assessment of the ecological assumptions underpinning compensatory mitigation of salmon-derived nutrients. *Environmental Management*. 3:571-586.

Walters, D.M., E.J. Rosi-Marshall, T.A. Kennedy, W.F. Cross and **C.V. Baxter**. 2015. Mercury and selenium contamination in the Colorado River food web, Grand Canyon, USA. *Environmental Toxicology and Chemistry* 34:2385-2394.

Jackson, B.K., S.M.P. Sullivan, **C.V. Baxter** and *R.L. Malison. 2015. Stream Riparian Ecosystems and Mixed- and High-Severity Fire. Chapter 5 in *Nature's Phoenix: The Ecological Importance of Mixed-Severity Fire*, D.A. DellaSala and C. Hanson, eds. Elsevier.

DEPARTMENT NEWS

Dr. Colden Baxter gave an invited seminar at the University of California-Berkeley, Department of Integrative Biology on September 10, 2015. Presentation was entitled, "Dialetheia? Connectivity, complexity and change in river-riparian ecosystems."

Dr. Terry Bowyer has been appointed to the Scientific Foundation Team of the Arizona Game and Fish Department to assist the Department in revising the 1982 Mexican Wolf Recovery Plan.

SEMINARS

Dr. Michael Carvan, School of Freshwater Sciences, University of Wisconsin – Milwaukee, will present a seminar, "Developmental Methylmercury Exposure Leads to Transgenerational Adult Neurobehavioral Defects - Using Zebrafish to Understand Mechanism," on **Thursday, November 5** in **Lecture Center 10** at **4:00 PM**.

Kelsey Robson, DA graduate student **with Dr. Rosemary Smith**, will present her proposal seminar on **Thursday, November 12** in **Lecture Center 10** at **12 Noon**.

Dr. Jean Pfau, Idaho State University, will present a seminar, "Introduction to Flow Cytometry and Its Applications: Go with the Flow!" on **Thursday, November 12** in **Lecture Center 10** at **4:00 PM**.

ISU ACADEMIC CALENDAR

October 26 Spring 2016 Class Schedule viewable online (subject to change)
October 30 Last day to WITHDRAW from full semester courses
November 9 Class level registration begins for Spring 2016 (subject to change)
November 20 Last day to WITHDRAW from late 8-week courses
November 23-27 Fall recess (no classes -- Thanksgiving Break)

SCHOLARSHIP OPPORTUNITIES

The **Idaho Chapter of the Wildlife Society** is currently accepting applications for its **2016 Annual Student Scholarships**. The purpose of the scholarships is to assist with college education costs for undergraduate and graduate students whose professional goals support the mission and objectives of The Wildlife Society. ICTWS is offering a \$1500 scholarship for undergraduate students and a \$2000 scholarship for graduate students. **Application materials may also be found on the ICTWS website** (www.ictws.org) on the "Resources" page.

JOB OPPORTUNITIES

The Department of Fisheries Resource Management-Research is recruiting for full-time regular position: CHINOOK/STEELHEAD SALMON ADULT MONITORING PROJECT LEADER HR-15-168 Position to lead adult salmon and steelhead escapement evaluations for the Nez Perce Tribe. Lead Joseph Creek steelhead adult escapement studies as well as Secesh River Chinook adult escapement evaluations. Position has a key role in population status monitoring of these wild ESA listed populations. The project implements study designs, data analyses and summaries, issue papers, reports, publications, and management recommendations based on best available science. Requires a B.S in Fisheries or closely related field (M.S. preferred) with five years (3 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. **This position is Closes November 6, 2015.** Job inquiries can be directed to jasonv@nezperce.org or 208-621-3602. **To apply:** Send complete application packet, College transcripts, and three letters of reference required to: Project Leader HR-15-168, 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. For more information about the job contact Jason Vogel at (208) 621-3602.

PAYROLL INFORMATION

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

FACULTY/STAFF/OTHER MEETINGS

There will be a **Biological Sciences Faculty Meetings** on **Tuesday, October 6, 2015**, at **Noon** in **LC 15/17**.

PUBLICATIONS

Early human use of anadromous salmon in North America at 11,500 y ago. 2015. Halffman, C.M., Potter, B.A., McKinney, H.J., Finney, B.P., Rodrigues, A.T., Yang, D. and Kemp, B.M. *Proceedings of the National Academy of Sciences*, doi/10.1073/pnas.1509747112.

SEMINARS

Dr. Jack Brookshire, Montana State University, will present a seminar, "Scaling biogeochemical pattern and process from organisms to ecosystems and seconds to centuries". I have also attached a flyer to post," on **Thursday, October 8** in **Lecture Center 10** at **4:00 PM**.

John Gilmer, MS graduate student **with Dr. Jean Pfau**, will present his proposal seminar on **Thursday, October 15** in **Lecture Center 10** at **12 Noon**.

Dr. Michael Carvan, School of Freshwater Sciences, University of Wisconsin – Milwaukee, will present a seminar, "Developmental Methylmercury Exposure Leads to Transgenerational Adult Neurobehavioral Defects - Using Zebrafish to Understand Mechanism," on **Thursday, November 5** in **Lecture Center 10** at **4:00 PM**.

Kelsey Robson, DA graduate student **with Dr. Rosemary Smith**, will present her proposal seminar on **Thursday, November 12** in **Lecture Center 10** at **12 Noon**.

Dr. Jean Pfau, Idaho State University, will present a seminar, "Introduction to Flow Cytometry and Its Applications: Go with the Flow!" on **Thursday, November 12** in **Lecture Center 10** at **4:00 PM**.

ISU ACADEMIC CALENDAR

October 12-16	Mid-term week
October 16	Seniors: Last day to file application for December graduation
October 19	Late 8-week courses begin
October 20	Early 8-week course grading closes at 5:00 pm
October 23	Last day to add/drop late 8-week courses
October 26	Spring 2016 Class Schedule viewable online (subject to change)
October 30	Last day to WITHDRAW from full semester courses
November 9	Class level registration begins for Spring 2016 (subject to change)
November 20	Last day to WITHDRAW from late 8-week courses
November 23-27	Fall recess (no classes -- Thanksgiving Break)

JOB OPPORTUNITIES

Regional Biologist – California & Arizona. The Western Region of Ducks Unlimited, Inc. (DU) is seeking an experienced Regional Biologist for California and Arizona. The biologist will work under the direction of the Manager of Conservation Programs for Southern California & Arizona and become part of a team of biologists, engineers and other professionals. The focus of this position will be primarily in the San Joaquin Valley of California and be responsible for the acquisition, protection, enhancement and restoration of wetlands and associated habitats important to migrating waterfowl and other wetland dependent species. Position is located in Los Banos, CA. **How to Apply:** Complete the online application at www.ducks.org/jobs and attach a cover letter, resume and daytime contact information (email & phone numbers) for three professional references. For more information regarding this position or to request application materials, contact Debby Jones at 916-852-2000 or djones@ducks.org. **Deadline:** Applications will be evaluated as received and remain open until filled.

Regional Biologist – Sacramento Valley & Intermountain West Rancho Cordova, CA. The Western Regional Office of Ducks Unlimited, Inc. (DU) is soliciting resumes for an experienced Regional Biologist to help deliver our on-the-ground conservation programs in the Sacramento Valley and Intermountain West. The position is stationed in the Western Regional office located in Rancho Cordova, CA. The incumbent will become part of a team responsible for conserving, enhancing, and restoring wetlands and associated habitats in some of the most important waterfowl areas in North America. **How to Apply:** Complete the online application at www.ducks.org/jobs and attach a cover letter, resume and daytime contact information (email & phone numbers) for three professional references. For more information regarding this position or to request application materials, contact Debby Jones at 916-852-2000 or djones@ducks.org. Applications will be evaluated as received and remain open until filled.

PAYROLL INFORMATION

Our next pay period ends Saturday, October 10. Please be sure to submit your time by **Monday, October 12 at 12 Noon**. This gives your approver time to approve your time card and fix any problems by **Tuesday, October 13** when time cards are due to Payroll.

FACULTY/STAFF/OTHER MEETINGS

There will be a **Biological Sciences Faculty Meetings** on **Tuesday, September 15, 2015**, at **Noon** in **LC 15/17**.

PUBLICATIONS

Guernsey, N.C., K.A. Lohse, and **R.T. Bowyer**. 2015. Rates of decomposition and nutrient release of herbivore inputs are driven by habitat microsite characteristics. *Ecological Research* 30:951-961.

Vincen-Brown MA, Whitesitt KC, Quick FG, **Pilarski JQ**. Studying respiratory rhythm generation in a developing bird: hatching a new experimental model using the classic in vitro brainstem-spinal cord preparation. *Respir Physiol Neurobiol*. 2015 Aug 23. pii: S1569-9048(15)30036-7. doi: 10.1016/j.resp.2015.08.007. [Epub ahead of print]

Jaiswal SJ, Buls Wollman L, Harrison CM, **Pilarski JQ**, Fregosi RF. Developmental nicotine exposure enhances inhibitory synaptic transmission in motor neurons and interneurons critical for normal breathing. *Dev Neurobiol*. 2015 Jun 10. doi: 10.1002/dneu.22318. [Epub ahead of print]

SEMINARS

Dr. Colden Baxter, ISU Biological Sciences, will present his promotion seminar on **Thursday, September 17** in **Lecture Center 10** at **4:00 PM**.

Dr. Carolyn Weber, ISU Biological Sciences, will present a seminar, "Looking Skyward: Bioprospecting in the lower atmosphere for antibiotic-producing bacteria," on **Thursday, October 1** in **Lecture Center 10** at **4:00 PM**.

Dr. Jack Brookshire, Montana State University, will present a seminar on **Thursday, October 8** in **Lecture Center 10** at **4:00 PM**.

John Gilmer, MS graduate student **with Dr. Jean Pfau**, will present his proposal seminar on **Thursday, October 15** in **Lecture Center 10** at **12 Noon**.

DEPARTMENT NEWS

An image from Dr. Shawn Bearden's recent publication was chosen as image of the week and highlight by the American Physiological Society through Twitter and Facebook (see below). This was work authored by Drs. Chen and Mayo.

<https://twitter.com/AJPCellPhys>

<https://www.facebook.com/pages/American-Journal-of-Physiology-Cell-Physiology/178277545642714>

One Minute with Colden Baxter: <https://www.youtube.com/watch?v=yRygmW6bZQQ&feature=youtu.be>

Technology Seminar and Free Lunch. Curious about advanced imaging techniques and opportunities? On September 30th, in Nursing (Building #66), Room 305, the Advanced Imaging Core Facility will be hosting a demonstration seminar presented by Advanced Cell Diagnostics on a new technology for RNA *in situ* hybridization. Lunch will be provided by Dr. Li Fang during the 1hr long seminar. Please come listen to the latest technology and enjoy some lunch with your colleagues! This is open for anyone to attend, please RSVP to Lisa McDougall, heuylisa@isu.edu for food ordering purposes. A tour of our facility and equipment will be offered to those who are interested after the seminar. For more information on this new technique, please visit Advanced Cell Diagnostics' page, <http://www.acdbio.com/technology/how-it-works>.

ISU ACADEMIC CALENDAR

September 25	Last day to WITHDRAW from early 8-week courses
October 5	Early 8-week course grading opens
October 12-16	Mid-term week
October 16	Seniors: Last day to file application for December graduation
October 19	Late 8-week courses begin
October 20	Early 8-week course grading closes at 5:00 pm
October 23	Last day to add/drop late 8-week courses
October 26	Spring 2016 Class Schedule viewable online (subject to change)
October 30	Last day to WITHDRAW from full semester courses

JOB OPPORTUNITIES

Regional Biologist – California & Arizona. The Western Region of Ducks Unlimited, Inc. (DU) is seeking an experienced Regional Biologist for California and Arizona. The biologist will work under the direction of the Manager of Conservation Programs for Southern California & Arizona and become part of a team of biologists, engineers and other professionals. The focus of this position will be primarily in the San Joaquin Valley of California and be responsible for the acquisition, protection, enhancement and restoration of wetlands and associated habitats important to migrating waterfowl and other wetland dependent species. Position is located in Los Banos, CA. **How to Apply:** Complete the online application at www.ducks.org/jobs and attach a cover letter, resume and daytime contact information (email & phone numbers) for three professional references. For more information regarding this position or to request application materials, contact Debby Jones at 916-852-2000 or djones@ducks.org. **Deadline:** Applications will be evaluated as received and remain open until filled.

Regional Biologist – Sacramento Valley & Intermountain West Rancho Cordova, CA. The Western Regional Office of Ducks Unlimited, Inc. (DU) is soliciting resumes for an experienced Regional Biologist to help deliver our on-the-ground conservation programs in the Sacramento Valley and Intermountain West. The position is stationed in the Western Regional office located in Rancho Cordova, CA. The incumbent will become part of a team responsible for conserving, enhancing, and restoring wetlands and associated habitats in some of the most important waterfowl areas in North America. **How to Apply:** Complete the online application at www.ducks.org/jobs and attach a cover letter, resume and daytime contact information (email & phone numbers) for three professional references. For more information regarding this position or to request application materials, contact Debby Jones at 916-852-2000 or djones@ducks.org. Applications will be evaluated as received and remain open until filled.

PAYROLL INFORMATION

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

FACULTY/STAFF/OTHER MEETINGS

No **Biological Sciences Faculty Meetings**.

DEPARTMENT NEWS

A team of researchers, **composed principally of ecologists from the Department of Biological Sciences at ISU**, has received the **2015 publication award (Outstanding Monograph) from The Wildlife Society**. The monograph entitled, "Life-history characteristics of mule deer: effects of nutrition in a variable environment," by Kevin L. Monteith, Vernon C. Bleich, Thomas R. Stephenson, Becky M. Pierce, Mary M. Conner, John G. Kie, and **R. Terry Bowyer** was published in 2014 in Wildlife Monographs 186:1-61. This 13-year study linked the nutritional condition of female mule deer with their population characteristics, and developed new methods for determining nutritional carry capacity of deer habitat, and partitioning effects of climate and population dynamics on productivity of mule deer. A pdf of the publication is available from Terry Bowyer (bowyterr@isu.edu).

ISU ACADEMIC CALENDAR

August 24	Fall classes begin
August 28	Last day to add/drop early 8-week courses
September 4	Last day to register, add/drop, change section, or audit full semester courses
September 7	Labor Day holiday (no classes)
September 25	Last day to WITHDRAW from early 8-week courses

JOB OPPORTUNITIES

Mountain View Vet Hospital, a progressive one doctor small animal veterinary hospital in Pocatello, is looking for a quality **technician** to join our team. Experience is preferred, but willing to train the right candidate. Ability to multitask is a must. We utilize our technicians to their fullest abilities, including performing phlebotomies, placing IV catheters, monitoring anesthesia, taking radiographs, restraining patients in exam rooms, performing dental prophylaxis, inventory management, and equipment maintenance. Computer/front desk skills a plus, as you may have to answer the phones and schedule appointments on occasion. No evenings or weekends required. We are looking for a dependable, enthusiastic, compassionate technician interested in long term employment. **Please submit resumes to mvvethosp@gmail.com or fax to (208)233-1398.**

The Idaho Department of Fish and Game is currently recruiting for the position of **Regional Wildlife Biologist – Habitat** for an opening at our **Clearwater Regional office in Lewiston, Idaho**. An open competitive announcement is posted until **Tuesday, August 11, 2015**. The announcement will be used to fill the current opening and may be used to fill future statewide Regional Wildlife Biologist – Habitat openings. The announcement may be accessed through the following link:
https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00835045426.
Applications will only be accepted through the website. EEO/Vets Preference.

PAYROLL INFORMATION

Our pay period ends Saturday, August 1. Please be sure to submit your time by **Monday, August 3 at 12 Noon**. This gives your approver time to approve your time card and fix any problems by **Tuesday, August 4** when time cards are due to Payroll.-

FACULTY/STAFF/OTHER MEETINGS

No **Biological Sciences Faculty Meetings.**

DEPARTMENT NEWS

John Gilmer, MS student in **Dr. Jean Pfau's lab**, traveled to Spokane, Washington, for the **Libby Asbestos Symposium** May 25-27 where he presented his data on autoantibody-induced signaling that may contribute to pleural fibrosis. Dr. Pfau also gave a talk on the overall work in their lab. The audience included pulmonologists, radiologists, surgeons, basic researchers, clinical staff, and representatives from pharmaceutical companies. They then traveled to Libby, Montana, where John spent a day shadowing in the Center for Asbestos Related Diseases clinic and the team reported all findings to the community.

Ken Aho's book, *Foundational and applied statistics for biologists using R*, was reviewed in Statistical Methods in Medical Research by Nick R. Parsons of Warwick Medical School, University of Warwick, Coventry, UK. An excerpt from the review, "I would, without a doubt, recommend this book to those statisticians working with biologists, and if they can persuade those biologists to read the book and start writing R code themselves, then I think this book will have succeeded in its aims."

PUBLICATIONS

Jean Pfau., Kinta Serve, Linda Woods, Curtis Noonan. 2015. Asbestos Exposure and Autoimmune Disease. IN: Current Topics in Environmental Health and Preventive Medicine: Biological Effects of Fibrous and Particulate Substances. Elsevier Publications.

SEMINARS

Joshua Wright, MS student with **Dr. Gene Scalarone**, will present his defense seminar **Thursday, July 9, 2015, at 1:00 PM** in **Lecture Center 15/17.**

ISU ACADEMIC CALENDAR

Summer Semester 2015

Full Semester	Start May 18 and end August 7
Early 8-Week Courses	Start May 18 and end July 10
Middle 4-Week Courses	Start June 15 and end July 10
Late 8-Week Courses	Start June 15 and end August 7
Late 6-Week Courses	Start June 29 and end August 7
Late 4-Week Courses	Start July 13 and end August 7

JOB OPPORTUNITIES

BIOLOGIST I – Migratory Game Bird Management, North Dakota Game and Fish Department. Minimum of a Bachelor of Science degree in wildlife biology or wildlife management, or closely related natural resource science degree and two years of professional work experience with a wildlife or natural

resource management agency is required. A completed Masters of Science degree or higher may be substituted for two years of actual work experience. **Application Procedures:** Complete the online application; Upload a Letter of Interest describing how the applicant's ability and experience relates to the Summary of Work; and submit a current Resume. **Application Deadline: Monday, July 6, 2015.**

External applicants can access the job posting by going to the ND State Jobs Openings

(https://www.cnd.nd.gov/psc/recruit/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_APP_SCHJOB.GBL?Page=HRS_APP_SCHJOB&Action=U&TargetFrameName=). **For information about the position or for**

persons needing accommodation or assistance in the application or interview process, contact Kim Kary, Chief of Administrative Services at 701-328-6605. **For troubles or questions about applying on the online system,** contact Melissa Long at 701-328-6318.

PAYROLL INFORMATION

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

FACULTY/STAFF/OTHER MEETINGS

No **Biological Sciences Faculty Meetings**.

DEPARTMENT NEWS

Congratulations to **Dr. Barbara Frank** who was honored as **Distinguished Teacher** and **Dr. Colden Baxter** who was honored as **Distinguished Researcher** at the ISU Commencement on May 9. These awards are the highest honors bestowed on faculty at Idaho State University.

Dr. Ken Aho was invited to give a two day workshop for the National Park Service Heartland Network (HTLN) at Missouri State University on **May 26-27, 2015**. Attached is a picture of the youngest attendee, 11 year old Will Young, coding R with Ken and his father, Craig Young.



Youngest attendee, 11 year old Will Young, coding R with Ken and his father, Craig Young

Idaho State University Biological Sciences Professor, **Dr. Terry Bowyer**, has been honored with the **O. C. "Charlie" Wallmo Award** for contributions to knowledge and improved management of black-tailed and mule deer. He received the award at the recent 11th Biennial Western States and Provinces Deer and Elk Workshop held in Canmore, Alberta, Canada.

OTHER NEWS

Registration is open for **Crazy Pancreas 5k, 1 mile walk, ½ mile kids' race, and the Crazy 10k!** The race is **Saturday, June 27, 2015**, at **Stuart Park in Inkom, Idaho**. Come run with **Miss Idaho Sierra Sandison #ShowMeYourPump!** **Let's turn Type 1 into Type NONE!** **Registration link:** <http://www.runnercard.com/roadrace/public/raceGroup/975315>. **For more information about this race go to:** <http://idahocrazypancreas5k.blogspot.com/>. (Pam Christensen's daughter and family started the Crazy Pancreas race when their son (Pam's grandson) was diagnosed with Type I Diabetes five years ago. All proceeds from this race are donated to the Juvenile Diabetes Research Foundation.)

ISU ACADEMIC CALENDAR

Summer Semester 2015

Full Semester	Start May 18 and end August 7
Early 4-Week Courses	Start May 18 and end June 12
Early 6-Week Courses	Start May 18 and end June 26
Early 8-Week Courses	Start May 18 and end July 10
Middle 4-Week Courses	Start June 15 and end July 10
Late 8-Week Courses	Start June 15 and end August 7
Late 6-Week Courses	Start June 29 and end August 7
Late 4-Week Courses	Start July 13 and end August 7

JOB OPPORTUNITIES

The Idaho Department of Fish and Game is currently recruiting for the position of **Technical Assistance Program Coordinator (Natural Resource Program Coordinator (Natural Resource Program Coordinator))** for an opening at our headquarters in Boise. Applications will only be accepted through this website. The announcement closing date is **Thursday, June 11, 2015**. EEO/Veteran's Preference. The announcement may be accessed through the following link:

https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00850081044.

OPPORTUNITIES

For those interested in neuroscience, consider attending **Brain 2015** in **Vancouver, June 27-30, 2015**. More info on the meeting website: <http://brain.kenes.com/>. **Dr. Shawn Bearden** is organizing and chairing a session on pericytes in cerebral microcirculation at the meeting.

PAYROLL INFORMATION

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

FACULTY/STAFF/OTHER MEETINGS

There will be a **Biological Sciences Faculty Meeting** on **Tuesday, April 14, 2015**, at **Noon** in **LC 15/17**.

SEMINARS

Jingjing Li, MS student with **Dr. James Groome**, will present her proposal seminar on **Thursday, April 16, 2015**, at **12 Noon** in **Lecture Center 10**.

Miranda Striluk, MS student with **Dr. Carolyn Weber**, will present her proposal seminar on **Thursday, April 16, 2015**, at **12 Noon** in **Lecture Center 10**.

Lindsay Curran, MS student with **Dr. Keith Reinhardt**, will present her defense seminar on **Thursday, April 16, 2015**, at **2:00 PM** in **Lecture Center 10**.

Dr. Gabe Bowen, University of Utah, will present a seminar on **Thursday, April 16, 2015**, at **4:00 PM** in **Lecture Center 10**.

Leasha Christensen, MS student with **Dr. Peter Sheridan**, will present her defense seminar on **Tuesday, April 21, 2015**, at **3:00 PM** in **Lecture Center 15/17**.

Alicia Latta, MS student with **Dr. Curt Anderson**, will present her proposal seminar on **Thursday, April 23, 2015**, at **12 Noon** in **Lecture Center 10**.

Tiffany Smith, MS student with **Dr. Curt Anderson**, will present her proposal seminar on **Thursday, April 23, 2015**, at **12 Noon** in **Lecture Center 10**.

Ashelee Rasmusesen, MS student with **Dr. Rick Williams**, will present her defense seminar on **Thursday, April 23, 2015**, at **2:00 PM** in **Lecture Center 10**.

Stephanie Zorio, MS student with **Dr. Rick Williams**, will present her defense seminar on **Friday, April 24, 2015**, at **1:00 PM** in **Lecture Center 10**.

Evan Stegelmeier, MS student with **Dr. Jack Rose**, will present his proposal seminar on **Thursday, April 30, 2015**, at **12 Noon** in **Lecture Center 10**.

PUBLICATIONS

Kingston, M., J.C. Pfau, J. Gilmer, R. Brey. 2015. Effects of 50 Nanometer Gold Particles on Mouse Macrophage and Spleen Cells. Submitted to Journal of Immunotoxicology, In Press.

Shallow, J.R.T., M.A. Hurley, K.L. Monteith, and **R.T. Bowyer**. 2015. Cascading effects of habitat on maternal condition and life-history characteristics of neonatal mule deer. Journal of Mammalogy 96:194-205.

DEPARTMENT NEWS

Katrina Davis, MS graduate student with **Dr. Ken Rodnick**, has been accepted into the University of Minnesota College of Veterinary Medicine, Class of 2019. She will be starting in September. Anyone interested in veterinary medicine can contact her and ask about the application process or undergraduate college preparation.

Idaho State University Graduate Research Days was held **March 14 and 16, 2015**. Winners were honored at a reception **April 2, 2015**.

Oral presentation winners:

Natural Science and Environmental Studies winner was **Ashelee Rasmussen** (with **Charles Williams**), for "*Creating a Digital Interface for Botanical Resources.*"

Poster winners:

Biological and Environmental Studies winners were **Stephanie Zorio**, **Charles Williams** and **Ken Aho**, "*65 Years of Vegetation Change in the East River Basin, Colorado.*"

Mental, Physical, and Emotional Health winners were, **Robert Hanson**, **John Gilmer** and **Jean Pfau**, "*Asbestos-Induced Pleural Fibrosis Involves Autoantibody-Mediated Protein Tyrosine Phosphorylation Pathway.*"

People's Choice Award-Poster Symposium winners were, **Maria Pacioretty**, **Elizeth Cinto Mejia**, **Keith Reinhardt**, **Jesse Barber** and **Marie-Anne de Graff** for "*The Phantom Gas Field Project: Evidence of Physiological Responses of Sagebrush Due to Human Noise-Induced Changes in Arthropod Herbivory.*"

Dr. Jean Pfau and her Master's students, **Robert Hanson** and **John Gilmer**, traveled to San Diego, CA, for the Society of Toxicology annual meeting **March 22-26, 2015**. Robert and John presented their research regarding the autoantibodies induced by asbestos exposure that lead to collagen deposition and fibrosis.

Dr. Caryn Evilia is one of four Idaho State University faculty who have been chosen to receive **2015 Outstanding Service awards** and will be honored at a reception on April 8.

Dr. Colden Baxter and **Dr. Jean Pfau** are among five Idaho State University faculty members who will received **2015 Outstanding Researcher Awards** and will be honored at a reception on April 8.

Dr. Barbara Frank is one of five Idaho State University faculty members have been chosen to receive **2015 Outstanding Master Teacher awards** and will be honored at a reception on April 8.

Emeritus Professor Dr. Karl Holte is pleased to announce that his granddaughter, Hailee Hoffman, has been accepted for admission to Stanford University on a gymnastics and academic scholarship, 2015-2019.

OTHER NEWS

Registration is open for **Crazy Pancreas 5k, 1 mile walk, ½ mile kids' race, and the Crazy 10k!** The race is **Saturday, June 27, 2015**, at **Stuart Park** in **Inkom, Idaho**. Come run with **Miss Idaho Sierra Sandison** #ShowMeYourPump! **Let's turn Type 1 into Type NONE! Registration link:** <http://www.runnercard.com/roadrace/public/raceGroup/975315>. **For more information about this race go to:** <http://idahocrazypancreas5k.blogspot.com/>. (Pam Christensen's daughter and family started the Crazy Pancreas race when their son (Pam's grandson) was diagnosed with Type I Diabetes five years ago. All proceeds from this race are donated to the Juvenile Diabetes Research Foundation.)

ISU ACADEMIC CALENDAR

Spring Semester 2015

April 13	Class level registration begins for Fall 2015 (subject to change)
April 27	Late 8-week and full semester course grading opens
April 27-May 1	Closed week
May 4-8	FINAL Examinations
May 8	Seniors: Last day to file application for August graduation
May 9	Commencement (December & May graduates)
May 12	Late 8-week and full semester course grading closes at 5:00 pm

SCHOLARSHIP OPPORTUNITIES

The **Washington Lakes Protection Association** is offering two student scholarships (Nancy Weller, and Dave Lamb Memorial Scholarships) valued at \$1,500 each (plus funds to cover registration and two nights' accommodation for each recipient at the annual meeting). **Applications are due** by 17:00 PDT on **April 17, 2015**. The Scholarship Committee will contact applicants in mid to late May to let them know their application's status. **For more information:** <http://www.walpa.org/student-scholarships/>.

JOB OPPORTUNITIES

The **State of Tennessee** is currently seeking to fill a **Wildlife Biologist 3 position** in the **Wildlife Resources Division of the Tennessee Wildlife Resources Agency**. Graduation from an accredited college or university with a master's degree in wildlife or fish management or closely related field and experience equivalent to two years of full-time professional wildlife resources work or Graduation from an accredited college or university with a bachelor's degree in wildlife or fish management or closely related field and experience equivalent to four years of full-time professional wildlife, fisheries or related experience. **Interested parties must apply online** at <http://www.tn.gov/dohr>. Resumes may be uploaded during the application process.

The **USGS Alaska Science Center** is seeking a **field technician** to work with Pacific black brant on the Yukon Delta National Wildlife Refuge, Alaska from late May to early August, 2015. **Interested individuals** should send a resume including contact information for 2 references and a brief letter of interest to Dr. Courtney Amundson. camundson@usgs.gov.

The **R4 Refuge System Inventory and Monitoring Branch** has an open biometrician position. It is a GS-1530-9/11 position, with duty station of either Starkville, Mississippi or Athens, Georgia. The biometrician position will be a new role in the regional Inventory & Monitoring team, primarily providing expertise and analytical support for R4 National Wildlife Refuges in sampling and survey protocol design, data management, and data analysis. The breadth of NWRS surveys that the biometrician will work with may include fish, wildlife, and habitat surveys ranging in scope from refuge-specific to landscape scale. **For more information:** <https://www.usajobs.gov/GetJob/ViewDetails/393497400>.

The **Environmental, Surveillance, Education, and Research Program at the Idaho National Laboratory (INL) Site** has positions available for 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 2015 summer field season will be on data collection to support sage grouse habitat monitoring. The positions are temporary, full-time for the 2015 summer field season (late May to mid-August) and the anticipated start date is May 26. . For more information: <https://www.ziprecruiter.com/jobs/jgms-inc-0f509ab5/ecological-technician-114575a7>.

OPPORTUNITIES

For those interested in neuroscience, consider attending **Brain 2015** in **Vancouver, June 27-30, 2015**. More info on the meeting website: <http://brain.kenes.com/>. **Dr. Shawn Bearden** is organizing and chairing a session on pericytes in cerebral microcirculation at the meeting.

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Paid Summer Internships in Hop Country. Gain experience in commercial hop growing. Learn about commercial hop breeding. 50+ hours per week. Work in commercial hop fields. Work in industry leading hop quality management program. Enrichment programs including brewery tours, job shadowing. **For more information and to apply**, please visit Selecthops.com/employment or Joe.catron@selectbotanicalsgroup.com.

Montana Conservation Corps is an AmeriCorps national service program that serves communities and conservation needs throughout the northern range of the Rocky Mountains. Our young adult participants enroll as AmeriCorps members who serve between 3-9 months with MCC. Enrolling in MCC is not a job; it's a rewarding commitment to service, community, and the environment. Now enrolling for 2015. **For more information** go to www.mtcorps.org or call 405-587-4475.

PAYROLL INFORMATION

Our pay period ends Saturday, April 11. Please be sure to submit your time by **Monday, April 13 at 12 Noon**. This gives your approver time to approve your time card and fix any problems by **Tuesday, April 14** 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, March 31, 2015.**

SEMINARS

Aaron Harnsberger, MS student with **Dr. Tim Magnuson**, will present his proposal seminar on **Thursday, April 2, 2015, at 12:00 Noon** in the **Lecture Center 10.**

Dr. Christine Sestero, University of Montevallo, will present a seminar, "Negative Feedback Regulation of Encephalitogenic Th1 Cells by IFN γ in Experimental Autoimmune Encephalomyelitis," on **Thursday, April 2, 2015, at 4:00 PM** in **Lecture Center 10.**

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Stacy Schwabedissen, MS student with **Dr. Kitty Lohse**, will present her proposal seminar on **Thursday, April 9, 2015, at 12 Noon** in **Lecture Center 10.**

Cassie Thibeault, MS student with **Dr. James Groome**, will present her defense seminar on **Friday, April 10, 2015, at 12 Noon** in **Lecture Center 10.**

Jingjing Li, MS student with **Dr. James Groome**, will present her proposal seminar on **Thursday, April 16, 2015, at 12 Noon** in **Lecture Center 10.**

Miranda Striluk, MS student with **Dr. Carolyn Weber**, will present her proposal seminar on **Thursday, April 16, 2015, at 12 Noon** in **Lecture Center 10.**

Lindsay Curran, MS student with **Dr. Keith Reinhardt**, will present her defense seminar on **Thursday, April 16, 2015, at 2:00 PM** in **Lecture Center 10.**

Dr. Gabe Bowen, University of Utah, will present a seminar on **Thursday, April 16, 2015, at 4:00 PM** in **Lecture Center 10.**

DEPARTMENT NEWS

MRCF personnel, Erin O'Leary-Jepsen, Michelle Andrews, and Lisa McDougall, together with Dr. Mike Thomas and Dr. Luobin Yang, will be attending the annual meeting of the Association of Biomolecular Resource Facilities (ABRF) in St. Louis, MO **March 28 through April 1, 2015.** The ABRF is an international society dedicated to advancing core and research biotechnology laboratories through research, communication, and education.

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The **Combined Biological Science Scholarship** application for Academic Year 2015-2016 is now open with a **deadline of Monday, March 30, 2015**. Students can pull up the paper application and description in the Bengal Online Scholarship System (BOSS) by visiting the following link:

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Applications are due by 17:00 PDT on **April 17, 2015**. The Scholarship Committee will contact applicants in mid to late May to let them know their application's status. **For more information:** <http://www.walpa.org/student-scholarships/>. Please also save the date **October 26-28, 2015**, for the WALPA conference in Walla Walla. **For more information** as it becomes available see: <http://www.walpa.org/annual-conference/>.

JOB OPPORTUNITIES

The **State of Tennessee** is currently seeking to fill a **Wildlife Biologist 3 position** in the **Wildlife Resources Division of the Tennessee Wildlife Resources Agency**. Graduation from an accredited college or university with a master's degree in wildlife or fish management or closely related field and experience equivalent to two years of full-time professional wildlife resources work or Graduation from an accredited college or university with a bachelor's degree in wildlife or fish management or closely related field and experience equivalent to four years of full-time professional wildlife, fisheries or related experience.

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OPPORTUNITIES

M.Sc. or Ph.D. - Graduate Assistantship in Seaduck Spatial Ecology Department of Natural Resources Science, University of Rhode Island. To apply submit the following: a letter stating your qualifications and research interests, a resume or CV, college transcripts, GRE scores, and 3 letters of reference by no later than **April 2, 2015** (early application is encouraged) to: Dr. Scott R. McWilliams & Dr. Peter Paton, Dept. Natural Resources Science, University of Rhode Island, Kingston, RI 02881. For more information 401-874-7531; srmcwilliams@uri.edu & ppaton@uri.edu.

For those interested in neuroscience, consider attending **Brain 2015 in Vancouver, June 27-30, 2015**. More info on the meeting website: <http://brain.kenes.com/>. **Dr. Shawn Bearden** is organizing and chairing a session on pericytes in cerebral microcirculation at the meeting.

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Paid Summer Internships in Hop Country. Gain experience in commercial hop growing. Learn about commercial hop breeding. 50+ hours per week. Work in commercial hop fields. Work in industry leading hop quality management program. Enrichment programs including brewery tours, job shadowing. **For more information and to apply,** please visit Selecthops.com/employment or Joe.catron@selectbotanicalsgroup.com.

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.

The Recanati-Kaplan Centre Postgraduate Diploma in International Wildlife Conservation Practice 2016. This eight month full-time course (seven in Oxford, one distance learning) is designed to enhance the skills of conservation practitioners by teaching field, analytical and reporting techniques necessary for effective conservation research and action. The **application deadline** for the 2016 course (running Feb.-Sep. 2016) is **Friday, June 12, 2015**. For more information on the course, background of past students, and how to apply, please visit <http://www.wildcru.org/diploma>. It is not necessary to request permission before applying but we do encourage potential applicants to email their CV to the course coordinator (wildcru.diploma@zoo.ox.ac.uk) to see whether they have the appropriate background to be considered a strong candidate.

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FACULTY/STAFF/OTHER MEETINGS

There will be a **Biological Sciences Faculty Meeting** on **Tuesday, March 17, 2015**, at **Noon** in **LC 15/17**.

SEMINARS

Michael Haldorson, MS student with **Dr. Tim Magnuson**, will present his proposal seminar on **Thursday, March 19, 2015**, at **12:00 Noon** in the **Lecture Center 10**.

Aaron Harnsberger, MS student with **Dr. Jack Rose**, will present his proposal seminar on **Thursday, March 19, 2015**, at **12:00 Noon** in the **Lecture Center 10**.

Dr. Emma J. Rosi-Marshall, Cary Institute of Ecosystem Studies, will present a seminar, "Contaminants of Emerging Concern as Agents of Ecological Change," on **Thursday March 19, 2015**, at **4:00 PM** in **Lecture Center 10**.

Dr. Christine Sestero, University of Montevallo, will present a seminar, "Negative Feedback Regulation of Encephalitogenic Th1 Cells by IFN γ in Experimental Autoimmune Encephalomyelitis," on **Thursday, April 2, 2015**, at **4:00 PM** in **Lecture Center 10**.

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PUBLICATIONS

Weber CF, King GM, Aho K. 2015. Relative abundance of and composition within fungal orders differ between cheatgrass (*Bromus tectorum*) and sagebrush (*Artemisia tridentata*)-associated soils. *PLoS ONE* 10(1): e0117026. doi:10.1371/journal.pone.0117026

Weber, CF. 2015. Reduced vertical stratification of soil bacterial community structure and composition is associated with *Bromus tectorum* invasion of sagebrush steppe. *Journal of Arid Environments*. 115: 90-99. <http://www.sciencedirect.com/science/article/pii/S0140196315000130>

Weber, CF and Werth, JT. 2015. Culturing life from air: using a surface air system to introduce discovery-based research in aerobiology into the undergraduate biology curriculum. *Journal of Microbiology and Biology Education*. (in press for May 2015).

Selected by the editor for publication in the 2015 Spotlight Issue of JMBE in May:

Weber, CF. 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): 277-286.

DEPARTMENT NEWS

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March 20 Last day to WITHDRAW from full semester courses
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JOB OPPORTUNITIES

The **U.S. Fish and Wildlife Service (USFWS)**, in partnership with the **Student Conservation Association** is offering fellowships opportunities across the United States. Applications will be accepted from college undergraduate and graduate students only. If you have questions about the application process, please contact the Region 8 Workforce Recruiter, Bill Johnson at (916)-414-6630 or william_johnson@fws.gov.

The **Nez Perce Tribe Department of Fisheries Resources Management** is recruiting for **Fisheries Data Management Technician III** HR-15-109 full time position. Send complete application packet to Technician III HR-15-109, 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. For more information about the job contact Jason Vogel at jasonv@nezperce.org or (208) 621-3602. **Closing Date** is March 20, 2015.

The **State of Tennessee** is currently seeking to fill a **Wildlife Biologist 3 position** in the **Wildlife Resources Division of the Tennessee Wildlife Resources Agency**. Graduation from an accredited college or university with a master's degree in wildlife or fish management or closely related field and experience equivalent to two years of full-time professional wildlife resources work or Graduation from an accredited college or university with a bachelor's degree in wildlife or fish management or closely related field and experience equivalent to four years of full-time professional wildlife, fisheries or related experience. **Interested parties must apply online** at <http://www.tn.gov/dohr>. Resumes may be uploaded during the application process.

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OPPORTUNITIES

Bonneville Power Administration, headquartered in Portland, OR, has openings for **student internships** beginning this summer. **To Apply - View our Pathways internship** vacancy announcements at www.usajobs.gov; **Follow the instructions** on how to apply located within the vacancy announcement; **This is an online application process** and only applications received online will be considered; Positions located in Portland, Oregon; Internships are typically advertised during winter quarter and employment begins during May or June. **Closes March 17, 2015 8:59 PM.**

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Our pay period ends Saturday, March 14. Please be sure to submit your time by **Monday, March 16 at 12 Noon.** This gives your approver time to approve your time card and fix any problems by **Tuesday, March 17** when time cards are due to Payroll. **All faculty and staff need to submit a time card.**

FACULTY/STAFF/OTHER MEETINGS

There will be a **Biological Sciences Faculty Meeting** on **Tuesday, February 24, 2015**, at **Noon** in **LC 15/17**.

PUBLICATIONS

Aho, K., and **R.T. Bowyer**. 2015. Confidence Intervals for ratios of proportions: implications for selection ratios. *Methods in Ecology and Evolution* 6:121-132.

Villepique, J.T., B.M. Pierce, V.C. Bleich, A. Andic, and **R.T. Bowyer**. 2015. Resource selection by an endangered ungulate: a test of predator-induced range abandonment. *Advances in Ecology* 2015: Article ID 357080.

SEMINAR

Janissa Balcomb and **Carl Mitchell** (retired wildlife biologists) will present a seminar, "Being Safe in Bear Country," on **Saturday, March 14, 2015**, from **8 AM to 12 Noon** in the **Gale Life Sciences Building Room 262**. The seminar which is sponsored by the **Department of Biological Sciences** is for outdoor recreationists, field biologists, and anyone interested in bears. The seminar is **FREE**, but space is limited. You must sign up with **Dr. Terry Bowyer** (LS 411) to attend the seminar.

ISU ACADEMIC CALENDAR

Spring Semester 2015

February 23	Early 8-week course grading opens
March 2-6	Mid-term week
March 6	Seniors: Last day to file application for May graduation
March 9	Late 8-week courses begin
March 10	Early 8-week course grading closes at 5:00 pm
March 13	Last day to add/drop late 8-week courses
March 20	Last day to WITHDRAW from full semester courses
March 23-27	Spring Break (no classes)
March 30	Fall 2015 Class Schedule viewable online (subject to change)

SCHOLARSHIP OPPORTUNITIES

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include fish, wildlife, and habitat surveys ranging in scope from refuge-specific to landscape scale. **For more information:** <https://www.usajobs.gov/GetJob/ViewDetails/393497400>.

The Environmental, Surveillance, Education, and Research Program at the Idaho National Laboratory (INL) Site has positions available for 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 2015 summer field season will be on data collection to support sage grouse habitat monitoring. The positions are temporary, full-time for the 2015 summer field season (late May to mid-August) and the anticipated start date is May 26. . For more information: <https://www.ziprecruiter.com/jobs/jgms-inc-0f509ab5/ecological-technician-114575a7>.

Waterfowl Banding Technician – Temporary, Seasonal ND Game and Fish Department. Various areas around the state of North Dakota. **Closing Date: February 28, 2015** or until filled. **For more information and to apply go to:** www.cnd.nd.gov. For information about the position or for persons needing accommodation or assistance in the application or interview process, contact Mike Szymanski, Migratory Game Bird Biologist – Wildlife Division at 701-328-6360 or mszymanski@nd.gov. For troubles or questions about applying on the online system, contact Melissa Long at 701-328-6318.

The Idaho Department of Fish and Game is currently recruiting for the position of Conservation Officer for statewide openings. The announcement may be accessed through the following link: https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=00864045851. Applications will only be accepted through this website. The announcement closing date is **Monday, March 2, 2015**. EEO/Veteran's Preference

OPPORTUNITIES

For those interested in neuroscience, consider attending **Brain 2015 in Vancouver, June 27-30, 2015**. More info on the meeting website: <http://brain.kenes.com/>. **Dr. Shawn Bearden** is organizing and chairing a session on pericytes in cerebral microcirculation at the meeting.

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.

M.S. Graduate Research Position on Bobwhite reintroduction in New Jersey. 3 years of funding is available at the **University of Delaware's Department of Entomology and Wildlife Ecology** to investigate ecology and success of translocated northern bobwhite into the New Jersey Pine Barrens where bobwhite are extinct. **Position will start April 1** and will begin as a technician position and transition into a graduate position by Summer or Fall 2015. Research responsibilities will include using radio telemetry to measure micro-habitat preferences and survival of released birds. Successful candidate will work hand in hand with PhD student to monitor birds year round with PhD student primarily researching summer ecology and MS student measuring winter ecology. Candidates should be an expert with radio-telemetry, habitat measurements, and capture/handling quail. Candidates should be able to make independent decisions in the field as well as have a positive working relationship with private landowners where work is being conducted. Candidate must have a strong work ethic to get the work done. Passion for working on a declining game bird species a must. Possibilities exist for student to design other side projects while working in the New Jersey Pine Lands. More information about the Waterfowl and Upland Game Program at the University of Delaware can be found at: <http://canr.udel.edu/faculty/williams-chris/>. **Interested individuals should send** a cover letter outlining experience and research interests, curriculum vitae,

unofficial copies of university transcripts and GRE scores, and contact information for three references to DR. CHRIS WILLIAMS, Department of Entomology and Wildlife Ecology, PH: 302-831-4592, Email: ckwillia@udel.edu. Applications by e-mail (with electronic copies of requested documents) are required, and will be accepted until March 1, 2015 or until position is filled.

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/>.

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FACULTY/STAFF/OTHER MEETINGS

There **WILL NOT** be a **Biological Sciences Faculty Meeting** on **Tuesday, February 10, 2015**.

PUBLICATIONS

Weber CF, King GM, Aho K. 2015. Relative abundance of and composition within fungal orders differ between cheatgrass (*Bromus tectorum*) and sagebrush (*Artemisia tridentata*)-associated soils. *PLoS ONE* 10(1): e0117026. doi:10.1371/journal.pone.0117026

Weber, CF. 2015. Reduced vertical stratification of soil bacterial community structure and composition is associated with *Bromus tectorum* invasion of sagebrush steppe. *Journal of Arid Environments*. 115: 90-99. <http://www.sciencedirect.com/science/article/pii/S0140196315000130>

Weber, CF and Werth, JT. 2015. Culturing life from air: using a surface air system to introduce discovery-based research in aerobiology into the undergraduate biology curriculum. *Journal of Microbiology and Biology Education*. (in press for May 2015).

Selected by the editor for publication in the 2015 Spotlight Issue of JMBE in May:

Weber, CF. 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): 277-286.

Stewart, K.M., D.R. Walsh, J.G. Kie, B.L. Dick, and **R.T. Bowyer.** 2015. Sexual segregation in North American elk: the role of density dependence. *Ecology and Evolution* 5:709-721.

ISU ACADEMIC CALENDAR

Spring Semester 2015

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February 13	Last day to WITHDRAW from early 8-week courses
February 16	Presidents' Day holiday (no classes)
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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.

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in the Bengal Online Scholarship System (BOSS) by visiting the following link:
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JOB OPPORTUNITIES

Summer 2015 Beneficial Use Reconnaissance Program. Field Technician Positions open in Idaho Falls, Pocatello, and Twin Falls. **Apply: February 9 to March 9.** For more information and to apply: www.dhr.idaho.gov. Current openings BURP.

The R4 Refuge System Inventory and Monitoring Branch has an open biometrician position. It is a GS-1530-9/11 position, with duty station of either Starkville, Mississippi or Athens, Georgia. The biometrician position will be a new role in the regional Inventory & Monitoring team, primarily providing expertise and analytical support for R4 National Wildlife Refuges in sampling and survey protocol design, data management, and data analysis. The breadth of NWRS surveys that the biometrician will work with may include fish, wildlife, and habitat surveys ranging in scope from refuge-specific to landscape scale. **For more information:** <https://www.usajobs.gov/GetJob/ViewDetails/393497400>.

The Department of Fisheries Resource Management-Research is recruiting for full-time regular position: FISHERIES TECHNICIAN(S) II- HR-15-102. This full time (year round) position is responsible for assigned duties relating to assistance in the collection, compilation, technical applications of field work that pertain to fisheries and other natural resources. Duties include installing and maintaining juvenile and adult traps, handling, marking, identifying, and tagging fish, conducting redd surveys, entering field data into a computer, maintaining field sites and equipment, supervising personnel, and other related duties as assigned. This position requires living in a remote field location for 8 days per shift (housing in the field is provided). Must be mechanically inclined and have good computer skills with word processing, spreadsheets, and databases. Excellent writing and oral communication skills are required. Must be highly motivated and have the ability to work independently and cooperatively with others. **Qualifications:** Fisheries Technician II: Requires two (2) years college education (48 credits). Three (3) years of relevant experience is equivalent to one (1) year of college. Requires one (1) year of related experience to project needs and six months leadership experience. Pre-employment drug testing required. This position requires a valid driver's license and insurability under the Tribe's Policy. **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. **Closing Date: February 23, 2015. To apply:** Send complete application packet to: Fisheries Technician II HR-15-102 - 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. For more information about the job contact Jason Vogel at jasonv@nezperce.org or (208) 621-3602.

Gonzales-Stoller Surveillance, LLC, is seeking individuals to work as **technicians monitoring sage-grouse and ravens**. Positions are temporary full-time, with an anticipated employment period from early March, 2015, through mid-May, 2015. Start and end dates may be flexible, and there may be opportunity for an individual to continue work through the end of May. For more information: <https://www.ziprecruiter.com/jobs/jgms-inc-0f509ab5/research-technician-89fd8a6c>.

The Environmental, Surveillance, Education, and Research Program at the Idaho National Laboratory (INL) Site has positions available for 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 2015 summer field season will be on data collection to support sage grouse habitat monitoring. The positions are temporary, full-time for the 2015 summer field season (late May to mid-August) and the anticipated start date is May 26. . For more information: <https://www.ziprecruiter.com/jobs/jgms-inc-0f509ab5/ecological-technician-114575a7>.

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The Heron Lake Watershed District is accepting application forms, letters of interest, and resumes for **two summer intern positions**. This is a seasonal environmental position. Job requires physical labor outdoors in all weather conditions. The interns will be expected to work with local, state, and federal government entities and local organizations. Qualified applicants must be enrolled as a full-time college student. **For a complete job description and application form**, please contact Jan Voit at 507-793-2462, jan.voit@mysmb.com, or www.hlwdonline.org. Applications must be received by **4:00 p.m. on Thursday, February 12, 2015**.

The **Shoshone-Bannock Tribes Fish and Wildlife Department** is seeking a **Fisheries Research Biologist** to assist with the recovery of Chinook salmon and steelhead trout. The biologist will help implement restoration projects near Stanley and Salmon, Idaho in tributaries of the Salmon River. Duties will include operating weirs, screw traps, PIT tag arrays and conducting spawning ground surveys and electrofishing. The current opening is located in Fort Hall, Idaho and the announcement may be accessed through the following link: <http://www.shoshonebannocktribes.com/shoshone-bannock-employment-opportunities.cfm>. Applicants must apply online through the link listed above. The announcement closing date is **Friday, February 13, 2015**. Direct technical questions to Lytle Denny at ldenny@sbtribes.com or 208-252-2007.

Waterfowl Banding Technician – Temporary, Seasonal ND Game and Fish Department. Various areas around the state of North Dakota. **Closing Date: February 28, 2015** or until filled. **For more information and to apply go to:** www.cnd.nd.gov. For information about the position or for persons needing accommodation or assistance in the application or interview process, contact Mike Szymanski, Migratory Game Bird Biologist – Wildlife Division at 701-328-6360 or mszymanski@nd.gov. For troubles or questions about applying on the online system, contact Melissa Long at 701-328-6318.

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Mitchell, C.D., R. Channey, **K. Aho, J.G. Kie, and R.T Bowyer**. 2015. Population density of Dall's sheep in Alaska: effects of predator harvest? *Mammal Research* 60:21-28,

Bowyer, R.T., V.C. Bleich, K.M. Stewart, J.C. Whiting, and K.L. Monteith. 2014. Density dependence in ungulates: a review of causes, and concepts with some clarifications. *California Fish and Game* 100:550-572.

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JOB OPPORTUNITIES

The Forbes Biological Station is seeking one **research technician** to assist with a marshbird ecology study in the Illinois River Valley. Duties will include vegetation, shorebird, and secretive marshbird surveys; sediment core and sweep net collection and processing in the laboratory; riding on or operating small and large boats, ATVs, and 4-wheel drive trucks; data entry and management; maintenance of equipment and facilities; and other duties as assigned. Duties will be primarily field-based, but some lab work is required. This position will involve extensive travel throughout Illinois for field sampling. To apply, please send a brief cover letter, resume, and names and contact information of three references to osbornjm@illinois.edu. To ensure full consideration, applications should be received by **February 9, 2015** but review of applications will begin immediately. **Electronic applications are required.** Direct technical questions to Josh Osborn osbornjm@illinois.edu or (309) 543-3950.

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DUCK RESEARCH WITH USGS (several positions) – Dixon, California. The USGS is seeking research technicians for multiple positions at the GS5, GS6, and GS7 levels for studies on upland nesting dabbling ducks (mainly mallard and gadwall) in Suisun Marsh, California beginning January-April 2015. Exact start and end dates are negotiable and will be dependent on funding and successful completion of work. If interested send cover letter, resume, and contact information of 3 references VIA EMAIL to: Drs. Josh Ackerman, Mark Herzog and Alex Hartman (chartman@usgs.gov) ASAP. Write “Duck Research Biologist” in the subject line. **THIS IS A PRE-ANNOUNCEMENT ONLY; PLEASE CONTACT US FOR FURTHER INFORMATION ON THE REQUIRED APPLICATION PROCESS.**

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PAYROLL INFORMATION

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FACULTY/STAFF/OTHER MEETINGS

There **will NOT** be a **Biological Sciences Faculty Meeting** on **Tuesday, January 27, 2015**.

DEPARTMENT NEWS

For those interested in neuroscience, consider attending **Brain 2015** in **Vancouver, June 27-30, 2015**. More info on the meeting website: <http://brain.kenes.com/>. **Dr. Shawn Bearden** is organizing and chairing a session on pericytes in cerebral microcirculation at the meeting.

ISU ACADEMIC CALENDAR

Spring Semester 2015

January 26	Last day to register, add/drop, change section, or audit full semester courses
January 26	Last day to submit Idaho Residency Determination Worksheet with documentation to Office of the Registrar to declare Idaho residency
February 9	Summer registration begins for ALL class levels (subject to change)
February 13	Last day to WITHDRAW from early 8-week courses
February 16	Presidents' Day holiday (no classes)
February 23	Early 8-week course grading opens

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.

Fisheries Scholarships. Do you: Attend college courses? Have a GPA of 3.0 or better? Have career goals to improve fisheries resources? **If you answered yes to all of the above** then don't miss the chance to apply for scholarships available through the Idaho Chapter AFS. Think there is no chance you will be selected? You have a better chance of getting a scholarship (33%1) than getting the flu (5-20%2). Which would you rather have? Information and electronic application materials are available on the Chapter website (<http://www.idahoafs.org/scholarships.php>). Applications must be emailed (or postmarked) by **January 31, 2015**. Winners will be announced during the business luncheon at the annual meeting in March. **For more information**, please visit the Chapter website (<http://www.idahoafs.org/>) or contact Lauri Monnot, Public Education Committee Chair, at lauri.monnot@deq.idaho.gov or (208) 373-0461.

JOB OPPORTUNITIES

The **Idaho Department of Fish and Game** is recruiting for the following position: **Web Developer** – The current opening is located in Boise, Idaho. The announcement may be accessed through the following link: https://labor.idaho.gov/DHR/ATS/StateJobs/jobannouncement.aspx?announcement_no=01702014787. Applicants must apply online through the link listed above. The announcement closing date is **Monday, January 26, 2015**.

The Forbes Biological Station is seeking one **research technician** to assist with a marshbird ecology study in the Illinois River Valley. Duties will include vegetation, shorebird, and secretive marshbird surveys; sediment core and sweep net collection and processing in the laboratory; riding on or operating small and large boats, ATVs, and 4-wheel drive trucks; data entry and management; maintenance of equipment and facilities; and other duties as assigned. Duties will be primarily field-based, but some lab work is required. This position will involve extensive travel throughout Illinois for field sampling. To apply, please send a brief cover letter, resume, and names and contact information of three references to osbornjm@illinois.edu. To ensure full consideration, applications should be received by **February 9, 2015** but review of applications will begin immediately. **Electronic applications are required.** Direct technical questions to Josh Osborn osbornjm@illinois.edu or (309) 543-3950.

The Heron Lake Watershed District is accepting application forms, letters of interest, and resumes for **two summer intern positions**. This is a seasonal environmental position. Job requires physical labor outdoors in all weather conditions. The interns will be expected to work with local, state, and federal government entities and local organizations. Qualified applicants must be enrolled as a full-time college student. **For a complete job description and application form**, please contact Jan Voit at 507-793-2462, jan.voit@mysmbs.com, or www.hlwdonline.org. Applications must be received by **4:00 p.m.** on **Thursday, February 12, 2015**.

Waterfowl Banding Technician – Temporary, Seasonal ND Game and Fish Department. Various areas around the state of North Dakota. **Closing Date:** February 28, 2015 or until filled. **For more information and to apply go to:** www.cnd.nd.gov. For information about the position or for persons needing accommodation or assistance in the application or interview process, contact Mike Szymanski, Migratory Game Bird Biologist – Wildlife Division at 701-328-6360 or mszymanski@nd.gov. For troubles or questions about applying on the online system, contact Melissa Long at 701-328-6318.

DUCK RESEARCH WITH USGS (several positions) – Dixon, California. The USGS is seeking research technicians for multiple positions at the GS5, GS6, and GS7 levels for studies on upland nesting dabbling ducks (mainly mallard and gadwall) in Suisun Marsh, California beginning January-April 2015. Exact start and end dates are negotiable and will be dependent on funding and successful completion of work. If interested send cover letter, resume, and contact information of 3 references VIA EMAIL to: Drs. Josh Ackerman, Mark Herzog and Alex Hartman (chartman@usgs.gov) ASAP. Write “Duck Research Biologist” in the subject line. THIS IS A PRE-ANNOUNCEMENT ONLY; PLEASE CONTACT US FOR FURTHER INFORMATION ON THE REQUIRED APPLICATION PROCESS.

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The Minnesota Department of Natural Resources – Wildlife Management Section’s Shallow Lakes Program is hiring up to 12 student interns for the 2015 summer field season. Positions will be located at DNR offices in Brainerd (2), Detroit Lakes (2), Glenwood (2), Madelia (2), Sauk Rapids (2), and Tower (2), Minnesota. Work will occur region-wide. **Deadline to apply is Monday, January 26, 2014.** Applications must be submitted through the State of Minnesota jobs website, through the job posting: <https://statejobs.doer.state.mn.us/JobPosting/c2f73fccfcb16d83ccba840167daed61/View>. **Be sure to follow all application instructions.** Incomplete applications will not be considered.

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.

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:

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FACULTY/STAFF/OTHER MEETINGS

Biological Sciences Faculty Meeting will be **Tuesday, January 13, 2015**, in **Lecture Center 15/17** at **Noon**.

DEPARTMENT SEMINARS

Gaurav Kaushik, PhD graduate student with **Dr. Michael Thomas**, will present his defense seminar, "Exploring the Potential Association of Psychoactive Pharmaceuticals at Low Concentrations with Autism Spectrum Disorders (ASD)," on **Friday, January 16, 2015**, in **Lecture Center 10** at **1:00 PM**.

PUBLICATIONS

Groome JR, Jurkat-Rott K and Lehmann-Horn, F. 2014. Domain III S4 in closed-state fast inactivation: insights from a periodic paralysis mutation. *Channels* 8(5): 467-471.

DEPARTMENT NEWS

Groome JR, Winston V, Jurkat-Rott K, Lehmann-Horn F presented a seminar, "The voltage sensing domain in NaV1.4: a tale of two arginines," to the Theoretical and Computational Biology group at Temple University on **Monday, November 24, 2014**.

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January 16	Last day to add/drop early 8-week courses
January 19	Martin Luther King/Idaho Human Rights holiday (no classes)
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