

FACULTY/STAFF/OTHER MEETINGS

Department of Biological Sciences Faculty Meeting will be held **Tuesday, November 8, 2011**, in the Lecture Center 15/17 at noon.

SEMINARS

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

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

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

DEPARTMENT NEWS

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

- **Baxter, C.V.**, J.M. Davis, B.T. Crosby, J.L. Pierce, E.J. Rosi-Marshall. Indirect effects of climate change on stream-riparian ecosystems: a view on forest, fire, and flow dynamics from Idaho's Salmon River Basin. Invited presentation in special symposium, "Can Aquatic Resources Survive Global Climate Change and Humanity's Best Intentions?"
- **Baxter, C.V.**, K.C. Donner, W.F. Cross, E.J. Rosi-Marshall, T.A. Kennedy, and R.O. Hall Jr. Trophic dynamics in the riverscape: Unifying food web and ecosystem approaches to measure the strength of species interactions in habitats linked by fish movement. Invited presentation in special symposium, "Riverscape Ecology: Theory and Application for Understanding and Conserving Lotic Fishes."
- Marcarelli, A.M., **C.V. Baxter**, M. Wipfli, A.E. Kohler, S.F. Collins, J.D. Ebel and G. Servheen. Salmon Nutrient Mitigation Effects on Bottom-up Processes in Streams: Lessons from Large-Scale Experiments in Central Idaho. Invited presentation in special symposium – "Marine Derived Nutrients in Freshwater Systems – Anadromous Fishes and the Nutrient Cycle."
- Servheen, G., M. Wipfli, **C.V. Baxter**, L. Felicetti, A.M. Marcarelli, K. Kavanagh. Managing and Mitigating Salmon-Derived Nutrients: Are Analogs Salmon Avatars? Invited presentation in special symposium – "Marine Derived Nutrients in Freshwater Systems – Anadromous Fishes and the Nutrient Cycle."

- Collins, S.F., **C.V. Baxter**, A.M. Marcarelli and M. Wipfli. Effects of Salmon Carcass and Analog Additions on Resident Trout in Idaho. Invited presentation in special symposium – “Marine Derived Nutrients in Freshwater Systems – Anadromous Fishes and the Nutrient Cycle.”
- Bellmore, J.R., **C.V. Baxter**, P.J. Connolly and K.D. Martens. Combining Food Web and Ecosystem Techniques to Evaluate the Potential for Salmon and Steelhead Habitat Restoration.
- Campbell, S.O., **E.R. Keeley**, and A.E. Kohler. A Bioenergetic Evaluation of Changes in Habitat Quality for Salmonid Fishes: Calculating the Benefit from Stream Fertilization in the Salmon River.
- Green, M.T. and **E.R. Keeley**. Estimating Rates of Pelican Predation on Yellowstone Cutthroat Trout. Poster presentation.

PUBLICATIONS

Marchand, L.S., S. St-Hilaire, E.A. Putnam, Kinta M. Serve, **J.C. Pfau**. 2011. Anti-Mesothelial Cell and Anti-Nuclear Autoantibodies Associated with Pleural Abnormalities in an Asbestos Exposed Population: Libby MT. Toxicology Letters. In Press.

Rasmussen, D.L. and **J.C. Pfau**. 2011. Asbestos activates CH12.LX B lymphocytes via macrophage signaling. Jnl Immunotoxicology. In Press.

UPCOMING EVENTS

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

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

OTHER NEWS

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

GRANT OPPORTUNITIES

Mazamas Research Grant Funding is Available. The Mazamas, a 3,000-member Oregon mountaineering organization headquartered in Portland OR, is soliciting research grant proposals from scientists and their graduate students. Graduate Student Research Grants are up to \$1,500, and Standard Research Grants (typically awarded to university faculty members) can be up to \$3,500, from a total amount available this year of approximately \$15,000. **Grant applications deadlines:** January 28, 2012, for Standard Research Grants; February 4, 2012, for Graduate Student Research Grants. **For grant application procedure and for additional information**, please visit this link: <http://www.mazamas.org/your/adventure/starts-here/research-grants>. This link will also show you the grants we have awarded in the past several years.

For more information, please contact the Mazamas Research Committee. **Email:** mazama.research@mazamas.org. **Web:** www.mazamas.org. **Mailing Address:** Mazamas, 527 SE 43rd Avenue, Portland OR 97215. **Business Hours:** Monday-Thursday 10:00 AM - 7:00 PM and Fridays 10:00 AM - 2:00 PM. **Phone:** 503-227-2345.

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

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

JOB OPPORTUNITIES

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

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

PAYROLL INFORMATION

Our next pay period ends Saturday, November 12, 2011. Please be sure to **submit your time by Monday, November 14, at 12 NOON.** This gives your approver time to approve your time card and fix any problems by **Tuesday, November 15, 2011,** when time cards are due to Payroll.