



# Newsletter



Weekly Announcements for September 24- 30, 2006

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

## Faculty/Staff/Other Meetings

In lieu of faculty meeting, The Institutional Animal Care and Use Committee (IACUC) will conduct a training on writing IACUC protocols and discuss some of the recent policy changes. It will be held **Tuesday, September 26 at 12 (Noon) in room SPA 315**. For more info, contact Curt Anderson.

## Seminars

**Dr. Malcolm Shields** will present his Tenure seminar, "Hunting Microbes," **Thursday, September 28, 2006, at 4pm** in the Plant Sciences Lecture Hall room 114.

## Presentations

**Dr. Tim Magnuson** was an invited Speaker at the American Chemical Society Meeting in San Francisco CA, September 10-14, 2006. The title of the talk was: Biochemistry and genomics of the acidophilic metal reducing bacterium *Acidiphilium cryptum* JF-5." Co-authors were Tina Gresham, Brandon Briggs, Mike Swenson, Dave Cummings, and David Kerk.

**Dr. Jeff Meldrum's** research into the question of Sasquatch will be featured in the production of an episode for the Discovery Channel documentary series *Best Evidence*, to air next spring. Also included will be the exhibit at the Idaho Museum of Natural History and the Idaho Virtualization Laboratory. In conjunction, Dr. Meldrum will be traveling to Stanford University to collaborate with Dr. Jessica Rose, Director of the Motion & Gait Analysis Lab at Lucile Packard Children's Hospital, on a kinematic analysis of the Patterson-Gimlin film, taken in northern California in 1967, and associated footprint casts from the site, of which molds and replica casts reside in the special collections of the Smithsonian Institution.

## Publications

Kahre, N., D.M. Lovelace, C.M. Eggleston, M.W. Swenson, and **T.S. Magnuson**. 2006. Redox-linked conformation change and electron transfer between monoheme c-type cytochromes and oxides. *Geochim. Cosmochim. Acta* 70: 4332-4342.

Cummings, D.E., and **T.S. Magnuson**. 2006. Microbial Fe(III) reduction: ecological and physiological considerations. *In* Manual of Environmental Microbiology, 3rd Edition. American Society for Microbiology Press.

**Cotter, Paul A., and Kenneth J. Rodnick.** Differential effects of anesthetics on electrical properties of the rainbow trout (*Oncorhynchus mykiss*) heart. *Comparative Biochemistry and Physiology A* 145: 158-165, 2006. Paul is currently a Doctoral of Arts student in our department and a Biology Instructor at the University of Alaska Anchorage. Paul will be presenting and defending his dissertation research at ISU on Thursday, November 2 at noon.

**Sestero, C.M. Scalarone, G.M.** 2006. Detection of the surface antigens BAD1 and  $\alpha$ -(1,3)-glucan in six different strains of *Bastomyces dermatitidis* using monoclonal antibodies. *Journal of Medical and Biological Sciences*, Vol 1, Issue 1.

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## Travel

**Dr. Terry Bowyer, Dr. John Kie and Dr. Kelley Stewart**, post doctoral fellow, and Cody Schroeder, graduate student will travel to the 13th Annual Conference of The Wildlife Society to be held in Anchorage, Alaska, on 23-27 September 2006. He will be involved in two professional presentations.

**Stewart, K. M., R. T. Bowyer, R. W. Ruess, and J. G. Kie.** Herbivore optimization by North American elk: consequences for theory and management.

Schuler, K. L., J. A. Jenks, and **R. T. Bowyer.** Spatially explicit model of potential spread of chronic wasting disease in free-ranging deer at Wind Cave National Park, South Dakota.

**Dr. John Kie** will also be presenting "Spatiotemporal response of elk to forest fuels reduction," with Long, R.A. and Rachlow, J.L.

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## Events

### **American Fisheries Society Student Chapter, upcoming activities and meetings:**

The Portneuf Student Sub-unit of the American Fisheries Society has now made plans for activities in September and October. We will be hosting a soup feed from **11:00 AM to 1:00 PM on Wednesday September 27, 2006 in the lobby of the biological sciences building.** We will also participate in field activities including a trip the upper Bear River to work with Trout Unlimited on Bonneville Cutthroat Trout. This will be held in October, and dates will be announced in the future. Our next regular meeting will be **on Tuesday October 10, 2006 at 5:00 PM in room 237 in the Biological Sciences Building.** For any students interested in our club, please come to our meeting and bring a friend with you. We will discuss further activities at this meeting.

The Portneuf Student Sub-unit of the American Fisheries Society is a student organization at Idaho State University aimed at giving students interested in fish and watershed sciences an opportunity to learn more about the field and get practical, hands on experience. If you are interested in activities such as fishing, and would like to learn more about the science and management of fish, please attend our activities and meetings. For any questions or comments, please feel free to contact Michael Lance (lancmic2@isu.edu) or our advisor, Dr. Ernest Keeley ([keelerne@isu.edu](mailto:keelerne@isu.edu)).

ISU BOISE CENTER 1ST ANNUAL HEALTH SCIENCE EXPERIENCE NIGHT

**OCTOBER 12, 2006 • 6:30-8:00 P.M.**

Come Experience ISU's Academic Programs and Advanced Learning Technologies In The Health Sciences At The ISU Boise Center 12438, West Bridger Street In Boise.

**For More Information Contact:**

ISU Boise Center  
373-1796 or 373-1797

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**Employment Opportunities**

Two Biological Technician Positions Needed for Sandhill Crane Landscape Study

This project is sponsored by: South Dakota State University and U.S. Fish and Wildlife Service. This project extends from Idaho along the Intermountain west corridor through Colorado, New Mexico and into northern Mexico. Due to the large geographic area and the interest of many agencies in sandhill crane populations; there are a variety of project partners. These positions will be working for and getting paid by 2 organizations: South Dakota State University and a non-government organization.

**How to Apply:** Deadline for applications is **October 15, 2006**. Send resume and 3 references to: Tandi Perkins, [Tandi\\_Perkins@fws.gov](mailto:Tandi_Perkins@fws.gov). For questions regarding this position call: (719) 588-7778.

**The Département de biologie of Université Laval** invites applications for a tenure-track faculty appointment in terrestrial ecology at the rank of assistant professor. Applicants should have a Ph.D. in biological sciences. Postdoctoral experience would be desirable. The appointee is expected to speak French within a year, teach undergraduate and graduate courses (terrestrial ecology, animal physiology, or conservation biology), supervise graduate students, develop an independent grant-funded research program, and participate in the activities of the NSERC-Anticosti forest products Industrial Research Chair in the integrated management of the biological resources of Anticosti Island chaired by S. Côté. The overall objective of the Chair is to develop forest and wildlife management practices adapted to high cervid densities.

**Closing date: November 30, 2006.**

Eligible candidates should submit a letter describing their qualifications and motivation for the position including a short description of their proposed research program and teaching philosophy, a CV, and relevant publications to:

Gilles Houle, Chair,  
Département de biologie,  
Université Laval, Québec, QC G1K 7P4.  
FAX : 418-656-2043  
[gilles.houle@bio.ulaval.ca](mailto:gilles.houle@bio.ulaval.ca).

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**Research Opportunities**

**UNDERGRADUATE RESEARCH COMMITTEE CALL FOR PROPOSALS**

**Funding for Fall 2006**

The Undergraduate Research Committee (UgRC) funds a limited number of proposals in two

grant categories: 1) Undergraduate Research Awards, which help support undergraduates financially as they perform research, and 2) Undergraduate Travel Awards, to support undergraduates in presenting results of research. All proposals must conform to the *Guidelines for Preparation of Proposals and Responsibilities of Grant Recipients*. Please visit the web site

<http://www.isu.edu/research/ugradprogguidelines.pdf> for the most recent version of guidelines posted 9/6/06. **NOTE:** Maximum grant amount for Research Awards is \$2,000. **PLEASE CONTACT YOUR AREA FACULTY REPRESENTATIVE with any questions concerning the development of your proposal. You are strongly encouraged to discuss your proposal with your area representative prior to submission.** College of A&S-Biological Sciences James Groome at x2791 [groojame@isu.edu](mailto:groojame@isu.edu).

**An original and sixteen copies** of each proposal are required.

**Deliver proposals to Office of Research, Fine Arts Building, Room 205**

**DEADLINE FOR PROPOSAL SUBMISSION**

**5:00 P.M., Thursday, October 19, 2006**

**FREE Workshop:** UgRC Grant Application Process **September 20, 2006 3:00 pm** in Conference Room 308 Fine Arts Building.

#### **East Asia & Pacific Summer Institutes**

Pursue Science and Engineering Research in Asia-Pacific- Australia, China, Japan, Korea, New Zealand or Taiwan for U.S. Graduate students in: Biology, Computer and Information Science, Education, Engineering, Environmental Research, Geosciences, Polar Research. This is sponsored by the U.S. National Science Foundation.

**Rhesa Ledbetter**, a graduate student with **Dr. Tim Magnuson**, participated in this program over the summer and would be happy to talk about the details with anyone who may be interested. The website is [www.nsf.gov/eapsi](http://www.nsf.gov/eapsi).

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#### **Notices**

##### **Call For Nominations For The ISU Distinguished Researcher Award Of 2007**

Announcing the call for nominations for the Distinguished Researcher Award of 2007. This award will honor a faculty member who has contributed significantly to the research effort at Idaho State University. This person is honored at the commencement exercises as the Distinguished Researcher and will be given a cash award of \$2,500. The Faculty Research Committee will select a maximum of five (5) Outstanding Researchers from the nominees. The Distinguished Researcher will be selected from that group. To implement the selection process, the Faculty Research Committee invites anyone who is familiar with a faculty member's research efforts to nominate that person for this award. Any full-time faculty member (tenured or not) who has made a significant, original/creative contribution to advancing the frontiers of knowledge in his or her field may be nominated. Please send a detailed letter of nomination, which addresses the selection criteria below to the Chief Research Officer, Mail Stop 8130, Idaho State University, by **Friday, November 17, 2006**.

1. Significance of the research in relation to the frontiers of knowledge in that field.
2. Publication of research findings in peer reviewed national or international journals or juried/invitational show, exhibits, or performances.

3. Papers, showings, or related public presentations of research findings and their application and use by the discipline involved.
  4. Evidence of extended, intentional development of the topic of research that resulted in a significant contribution.
  5. Any other evidence of the outstanding nature of the research activity that may be relevant.
- Only one nomination letter per person is necessary to provide the detail required in the selection process. General letters of support from others are not used in the selection process. We wish to encourage the development of excellence in research at ISU and honor those who have accomplished it. We also use this to publicize the fact that a significant amount of research is being done at our institution.

**The Molecular Research Core Facility (MRCF)** recently launched its new website at [www.mrcf.isu.edu](http://www.mrcf.isu.edu). Please stop in and browse. Sample processing costs have **DECREASED**, and the protocol for sample submission has been revised. Watch for a future announcement about an upcoming open house to celebrate the MRCF's recently completed expansion/renovation.

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