



# LIFE SCIENCE NEWS

Published by the Institute of Arctic Biology in cooperation with the Department of Biology & Wildlife, College of Natural Science and Mathematics.

January 19, 2007

## ANNOUNCEMENTS

### MONDAY, JANUARY 22

4-5 p.m. - 202 Natural Sciences Facility

Department of Chemistry & Biochemistry - Faculty Candidate Seminar - Environmental/Analytical position

**Ryan Fimmen**, Ohio State University,  
“Redox Chemistry of Natural Organic Matter:  
Chemical Properties and Environmental Reactivity”  
Information: 474-5510

### WEDNESDAY, JANUARY 24

3:30 – 4:30, IRV I, Room 201

Freshwater Ecosystems Seminar Series

**Jeff Adams**

Branch Chief, Fisheries & Habitat Restoration,  
USF&W

“An Overview of the U.S. Fish and Wildlife Service’s  
Fisheries Program in Northern Alaska”

Information: Mark Wipfli, x6654,  
[mark.wipfli@uaf.edu](mailto:mark.wipfli@uaf.edu)

### THURSDAY, JANUARY 25

1:00-2:00p.m. IRV I, Room 201

IAB Faculty Meeting

3:40-5 p.m. - 183 Arctic Health Research Building

Natural Resource Management Seminar Series

**Glenn Juday**, Dept. of Forest Sciences, SNRAS, UAF  
“An Overview of the Arctic Climate Impact  
Assessment”

Information: [fndlf2@uaf.edu](mailto:fndlf2@uaf.edu)

### THURSDAY, JANUARY 25, cont...

4-5 p.m. - 201 Natural Sciences Facility

Department of Chemistry & Biochemistry - Faculty Candidate Seminar - Environmental/Analytical position

**Todd Guoin**, University of Toronto  
“Assessing Source-Receptor Relationships and  
Environmental Fate of Persistent Organic Pollutants”  
Information: 474-5510

7 p.m. - UA Museum of the North

Free Museum Lecture

**Bernie Karl** and **Gwen Holdmann**,

Chena Hot Springs Resort

“Energy Independence for Alaska”

Information: <http://www.uaf.edu/museum> or 474-7505

### FRIDAY, JANUARY 26

1:00 PM, 138 Irving II

Physiology Seminar - UAF Student

**Abraham Harms-Smyth**

“Serotonergic Ligand Binding to ACh Binding  
Proteins”

Information: Cord Brundage, x5024, [ftcmb3@uaf.edu](mailto:ftcmb3@uaf.edu)

1:30 pm, 138 Irving II

Physiology Seminar - UAF B&W Grad Student

**Trixie Lee**

“Turtle Posthatching Yolk Reserves”

Information: Cord Brundage, x5024, [ftcmb3@uaf.edu](mailto:ftcmb3@uaf.edu)

3:30 p.m. - 531 Duckering Building

Water and Environmental Research Center Seminar

**Amanda Booth**, IPY Postdoc, UAF

“Interactions Between Climate and Tectonics in the  
Eastern Himalaya”

Information: [ffslb@uaf.edu](mailto:ffslb@uaf.edu), 474-7209

## LIFE SCIENCES SEMINAR

**Kelly Drew, PhD**

Associate Professor, IAB, Dept. of Chemistry and Biochemistry, Alaska Basic Neuroscience Program

**“Neuroprotection and Neuroplasticity in Super Spermophilus”**

Elvey Auditorium

**Friday, January 26, 3:30p.m.**

## 📄 NEW FUNDING OPPORTUNITIES 📄

**Grant-in-Aid Program of the Arctic Institute of North America.** Deadline for applications is **February 1, 2007**. Description of the program and instructions for applicants can be found at [www.ucalgary.ca/aina/](http://www.ucalgary.ca/aina/). Maximum award is \$1,000. Please direct any questions to Erich Follmann at [ffe hf@uaf.edu](mailto:ffe hf@uaf.edu). Proposals should be sent to his attention at IAB.

**National Science Foundation (NSF 07-518) Chemistry Research Instrumentation and Facilities (CRIF: CRF).** *Synopsis of Program:* The NSF Division of Chemistry will provide support to research institutions and consortia for the establishment of regional or national instrumentation facilities, the purchase of departmental research instrumentation and the development of state-of-the-art equipment. **Deadline: February 2, 2007.** URL: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07518](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07518)

**2007- Global Change Student Research Grant Competition.** Applicants must have graduate or undergraduate status in a degree-granting program at UAF at the time the proposed research will be conducted. Information can be downloaded at <http://www.cgc.uaf.edu> or picked up from the Center for Global Change, Room 306 IARC, or the Graduate School, Room 202 Eielson. **Deadline: February 23, 2007.**

**National Science Foundation (NSF 07-519) Partnerships for Enhancing Expertise in Taxonomy (PEET).** Special Biennial Competition in Systematic Biology. *Synopsis of Program:* In partnership with academic institutions, botanical gardens, freshwater and marine institutes and natural history museums, NSF seeks to enhance taxonomic research and help prepare future generations of experts. Projects must train new taxonomists (two per project minimally) and must translate current expertise into electronic databases and other products with broad accessibility to the scientific community. **Deadline: March 5, 2007.** URL: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07518](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07518)

**National Science Foundation (NSF 07-536) International Polar Year, 2007.** The "International Polar Year 2007-2008" (IPY) will extend from March 2007 through March 2009. IPY is envisioned as an intense scientific campaign to explore new frontiers in polar science, improve our understanding of the critical role of the polar regions in global processes, and educate the public about the polar regions. Projects are expected to be interdisciplinary in scope; involve a pulse of

activity during the IPY period; leave a legacy of infrastructure and data; expand international cooperation; engage the public in polar discovery; and help attract the next generation of scientists and engineers. **Deadline is March 16, 2007** Information: <http://www.nsf.gov/pubs/2007/nsf07536/nsf07536.htm>

## \$\$ GRANTS AND AWARDS \$\$

### Barboza / Gustline

CIFAR for \$26,697

"CIFAR IPY Monitoring winter body condition of barren ground Caribou from the Bering Sea to Hudson Bay"

### Barnes / Mayfield and Stevenson

CIFAR for \$17,453

"CIFAR IPY Do Arctic vertebrates defend bone mineral stores during hibernation?"

### Lindberg / Barboza

USGS, \$17,632

"Relationship between physiological condition & reproduction of lesser Scaup, RWO 157"

### Wolf / Beecher

CIFAR for \$30,000

"CIFAR IPY Adaptation to cold in the far North"

## →→TRAVEL→→

→ Erich Follmann, 1/21-23 – Anchorage, Alaska Marine Science Symposium

### *Quote of the week:*

**The trouble with the rat race is that even if you win, you're still a rat.**

*Lily Tomlin*