



# LIFE SCIENCE NEWS

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

October 1, 2007

## ANNOUNCEMENTS

### 2007-08 UNDERGRAD RESEARCH COMPETITION PROGRAM

**\*Due 5:00 p.m. October 3, 2007\***

The University of Alaska Fairbanks Center for Research Services will make limited funds available for undergraduates interested in conducting a research project during fall 2007 and/or spring 2008 semesters.

Projects from any research discipline will be considered. UAF is particularly interested in projects related to the International Polar Year ([www.us-ipy.org](http://www.us-ipy.org)).

**Eligibility:** Any UAF undergraduate student registering for the semester in which the research project is to be done and who has support from a faculty mentor is eligible to participate.

**The maximum award is \$2,500.** Ten awards will be made by October 15, 2007.

**Due Date:** Proposal is to be submitted electronically to the UAF Center for Research Services (<http://www.uaf.edu/research/undergraduate.html>) by 5 p.m. October 3, 2007.

**Information:** Nikki Blake, x7314, or [anb@gi.alaska.edu](mailto:anb@gi.alaska.edu).

### UAF Faculty Reception Welcoming International Program Representatives to Fairbanks!!

Enjoy good food and refreshing conversation with colleagues at the UAF Wood Center Pub on Wednesday, October 3rd from 4:30-7PM.

\* Meet International program and partner institution representatives!

- \* Get first hand information on teaching opportunities abroad!
  - \* Learn about international program options for undergraduate and graduate students!
  - \* Arrange for representatives to attend your classes!
- If you can't join us on Wednesday, please stop by to visit with representatives at the Study Abroad Fair and encourage your students to do the same:
- \* UAF Wood Center Main Level, Wednesday, October 3rd from 11AM to 4PM and Thursday, October 4th from 11AM to 4PM

### **TUESDAY, OCTOBER 2**

1:00 – 2:00 p.m. – Elvey Auditorium

Special Public Seminar

“Soils and Global Change”

Richard Boone, Chair, Department of Biology & Wildlife

**Information:** [www.iab.uaf.edu/events/events.php](http://www.iab.uaf.edu/events/events.php) or 474-7640

### **FRIDAY, OCTOBER 5**

1:00-2:00 p.m. – 201 Irving I

Biology Graduate Student Association Meeting

Pizza and drinks will be provided

**Information:** [ftnc11@uaf.edu](mailto:ftnc11@uaf.edu)

### **NEW FUNDING OPPORTUNITIES**

#### **ALASKA EPSCOR PROPOSAL DEADLINE**

**October 15, 2007**

Alaska EPSCoR is calling for proposals for the 2008 Department of Defense (DoD) Experimental Program to Stimulate Competitive Research (DEPSCoR).

More information in the IAB Director's Office.

### **LIFE SCIENCE SEMINAR**

Friday, October 5, 3:30 p.m. - Elvey Auditorium, 214 Elvey Building  
Lee Taylor

“Alaska Microbes Challenge the Dogma:

Everyone is Not Everywhere, and Everyone Does Not Do Everything”

Information: <http://www.iab.uaf.edu/events/events.php> or 474-7640

November 2007

**NSF 07-580**

**Postdoctoral Research Fellowships in Biology (PRFB).** Replaces NSF 04-539. Full Proposal Deadline: **November 5, 2007.**

URL to view this funding opportunity:

[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07580](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07580)

**NSF 07-581**

**Collaborative Research in Chemistry (CRC).** Replaces Document NSF 05-606. Preliminary Proposal Due Date: **November 12, 2007.** Full Proposal Deadline: **March 31, 2008** (by invitation only).

**ANGUS GAVIN MIGRATORY BIRD RESEARCH GRANT** - Proposal Deadline: **November 15, 2007**

The UA Foundation is pleased to announce the availability of the Angus Gavin Memorial Bird Research Grant for the 2008 field season (\$15,000 maximum award). Proposals for the grant will be accepted from scientists within the University system, which includes graduate students and faculty members.

<http://www.alaska.edu/foundation/grantsandawards>

More information in the IAB Director's Office.

December 2007

**NSF 07-582**

**ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE).** Replaces

Document NSF 05-584. Full Proposal Deadline:

**December 6, 2007** – Institutional Transformation Planning Grants (IT-Start); Institutional Transformation (IT). **January 17, 2008** – Partnerships for Adaption, Implementation and Dissemination (PAID). URL to view this funding opportunity:

<http://www.nsf.gov/pubs/2007/nsf07582/nsf07582.htm>

January 2008

**NSF 07-560**

**Research Initiation Grants and Career Advancement Awards to Broaden Participation in Biology (RIG CAA BP).** Replaces Document NSF 05-58. Proposal Target Date: **January 14, 2008.**

URL to view this funding opportunity:

[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07560](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07560)

**\$\$ GRANTS AND AWARDS \$\$**

**Bert Boyer, Bret Luick, and Rosemarie Plaetke**  
**NIH**  
**“Genetics of Obesity in Yup’ik Eskimos”**  
**\$587,370 Year 1**

**Mark Wipfli**  
**Arctic-Yukon-Kuskokwim**  
**Sustainable Salmon Initiative**  
**“Ecology and Demographics of Chinook Salmon”**  
**\$520,761 Year 1**

**Stuart Chapin and Roger Ruess**  
**USDA/PNW-FS**  
**“Dynamics of Change in Alaska’s Boreal Forests**  
**(A Continuation of the Bonanza Creek Long-Term**  
**Ecological Research Program)”**  
**\$13,000**

**Gary Kofinas, Stuart Chapin, Bernice Joseph, and**  
**Craig Gerlach**  
**NSF**  
**“IGERT: Global-Local Interactions: Resilience and**  
**Adaption of Social-Ecological Systems in a Rapidly**  
**Changing North”**  
**\$1,272,990 1<sup>st</sup> installment**  
**\$3,187,173 Total Award**

**Kristin O’Brien**  
**“Differential Expression of Oxygen-binding Proteins**  
**in Antarctic Fishes Affects Nitric Oxide-mediated**  
**Pathways of Angiogenesis and Mitochondrial**  
**Biogenesis”**  
**\$68,931 Year 2**

**Mark Lindberg**  
**“CESU Dev Internet-based Tools”**  
**\$45,000 Year 2**

## TIP OF THE WEEK

Office Service Pack 3: Microsoft has released its third service pack for Office 2003 users. The company says the 117-megabyte bundle of security updates and program tweaks "represents a major evolution in security for Office 2003" and that it "further hardens the Office suite against potential attacks and other security threats." Office 2003 users can download the update from <http://office.microsoft.com/en-us/downloads/default.aspx>. For more information, and for some caveats, go to the Security Fix blog from the Washington Post: [http://blog.washingtonpost.com/securityfix/2007/09/service\\_pack\\_3\\_available\\_for\\_o.html](http://blog.washingtonpost.com/securityfix/2007/09/service_pack_3_available_for_o.html). If you have installed the Microsoft Update option for Windows Update, you should get this service pack automatically.

## →→TRAVEL→→

- **Perry Barboza**, 9/27-10/2, Norway, Department of Arctic Biology, University of Tromsø, invited lecturer, logistics plan research
- **Brian Barnes**, 10/3-15, Shanghai and Hang Zhou, China, presenting a seminar at the Institute of Biological Sciences (Shanghai) and presenting at 2007 Comparative Biochemistry and Physiology Meeting
- **Terry Chapin**, 9/23-10/6, Lansing, MI, presenting seminar at MSU and attending a meeting of the Resilience Alliance in Corsica, France
- **Jon Gerken**, 9/15-10/7, Galena & Sulukna River, AK, fieldwork
- **Brad Griffith**, 10/1-5, Washington, DC, NSF SASS Meeting
- **Scarlett Hopkins**, 10/4-24, Toksook, AK, fieldwork
- **Gary Kofinas**, 9/24-10/6, Washington, DC, NSF SASS & HD meetings and attending a meeting of the Resilience Alliance in Corsica, France
- **Lily Ray**, 10/3-17, Washington, DC, ISSSS Q-Method Convention
- **Jim Warner**, 10/1-6, Bethesda, MD, Biotrac 25 Proteomics Workshop
- **Mark Wipfli**, 9/30-10/3, Boise, ID, fieldwork

### *Quote of the week:*

*"You don't stop laughing because you grow old. You grow old because you stop laughing."*

*- Michael Pritchard*