



# 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 8, 2007

## ANNOUNCEMENTS

Help chart a course for the future and win an iPod Nano. The library is doing a set of user surveys for various groups. Please respond to the survey intended for faculty and research associates. It should take about 15 minutes. You may have received an e-mail message with a link to the survey. You can also find the survey under Win an iPod Nano on the Library's website at <http://www.uaf.edu/library/>. Let us hear about what the Library can do to support your teaching, learning, and research. Please also encourage your colleagues and students to respond. If you have questions about the survey, please contact Karen Jensen ([karen.jensen@uaf.edu](mailto:karen.jensen@uaf.edu)), Chair of the Library Assessment Task Force or James Huesmann ([ffjlh3@uaf.edu](mailto:ffjlh3@uaf.edu)), Dean of Libraries.

### **TUESDAY, OCTOBER 9**

7:00 – 9:00 p.m. – 344 Duckering Building  
Alaska WWAMI 2007 Mini Medical School Lectures  
“**Exciting Advances in Cancer Treatment**”  
Greg Marino, Alaska Native Medical Center Oncology Clinic  
This Tuesday night lecture series, broadcast via the Internet from Anchorage, continues through October. It is free and open to the public.  
Information: John Adamson, 907-646-9977

### **WEDNESDAY, OCTOBER 10**

2:00 p.m. – 109 Butrovich Building (Regents' Conference Room)  
School of Fisheries and Ocean Sciences Dissertation Defense  
“**Reproductive Potential of Pacific Cod in Alaska**”  
Olay Ormseth, Fisheries Oceanography Ph.D. candidate  
Information: [m.scholl@sfos.uaf.edu](mailto:m.scholl@sfos.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.

**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.

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## LIFE SCIENCE SEMINAR

Friday, October 12, 3:30 p.m. - Elvey Auditorium, 214 Elvey Building  
Michael Harris

“Serotonin Dysfunction: Applying Integrative Physiology to Pathophysiology of Sudden Infant Death”  
Information: <http://www.iab.uaf.edu/events/events.php> or 474-7640

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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 Adaptation, Implementation and Dissemination (PAID). URL to view this funding opportunity: <http://www.nsf.gov/pubs/2007/nsf07582/nsf07582.htm>

NSF 07-597

**Center for Research at the Interface of the Mathematical and Biological Sciences (CIMBS).** Preliminary Proposal Due Date: **December 24, 2007** Full Proposal Target Date: **April 2, 2008** – BY INVITATION ONLY URL to view this funding opportunity: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07597](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07597)

January 2008

NSF 07-598

**Dynamics of Coupled Natural and Human Systems (CNH).** *Replaces Document NSF 06-587.* Full Proposal Deadline: **January 8, 2008.** URL to view this funding opportunity: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07598](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07598)

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)

NSF 07-510

**Major Research Instrumentation Program (MRI).** *Replaces Document NSF 05-515.* Full Proposal Deadline: **January 27, 2008**  
\*\*\*30% cost-share required\*\*\*  
[http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07251](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07251)

This is a limited submission program, **pre-proposals are due to OSP by November 1, 2007.**

URL to view this funding opportunity: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5260](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5260)

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

Abby Powell

\$33,059

“Diet of Glaucous Gulls on Alaska’s North Slope”  
North Slope Borough

Diane O’Brien and Brian Barnes

\$428,750

“Collaborative Research IPY: Extremes of Hibernation Physiology Patterns of Expression, Regulation and Limits”  
NSF

## → → TRAVEL → →

- **Brian Barnes**, 10/3-15, Shanghai and Hang Zhou, China, presenting a seminar at the Institute of Biological Sciences (Shanghai) and presenting at the 2007 Comparative Biochemistry and Physiology Meeting
- **Scarlett Hopkins**, 10/4-24, Toksook, AK, fieldwork
- **Joe Margraf**, 10/9-12, West Yellowstone, MT, attend and present poster at Wild rout Symposium
- **Lily Ray**, 10/3-17, Washington, DC, ISSSS Q-Method Convention
- **Roger Ruess**, 10/12-20, Hilo, HI, conduct field research with US Forest Service
- **Todd Sformo**, 10/11-14, Anchorage, AK, fieldwork
- **Colin Shanley**, 10/10-14, Juneau, AK, IGERT conference

### *Quote of the week:*

“Laugh and the world laughs with you, snore and you sleep alone.”

- Anthony Burgess