



LIFE SCIENCE NEWS

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

September 1, 2008

ANNOUNCEMENTS

University Offices will be closed Monday, September 1, in observance of Labor Day.

TUESDAY, SEPTEMBER 2

Research Seminar

2:30 - 3:30 p.m. - Elvey Auditorium

“Ecological Cascades in Interior Alaskan Forests”

Knut Kielland, Institute of Arctic Biology

Information: ffkk@uaf.edu

Teaching Seminar

10:00 - 11:00 a.m. - 201 Irving I

“A Natural History of Tanana River Ice Dynamics”

Knut Kielland, Institute of Arctic Biology

Information: ffkk@uaf.edu

WEDNESDAY, SEPTEMBER 3

Wildlife Seminar

1:00 - 2:00 p.m. - 201 Irving I

“Arctic Foxes in Fennoscandia at the Verge of Extinction-Collapsing Alpine Ecosystems and Conservation Measures to Avoid Extinction”

Nina E. Eide, Research Ecologist, Norwegian Institute of Nature Research, Trondheim, Norway

Information: Erich Follmann, ffehf@uaf.edu

THURSDAY, SEPTEMBER 4

First Day of Classes

Biomedical Seminar

7:00 p.m. - Schaible Auditorium (Bunnell Building)

“Causes and Prevention of Cancer: How Decisions Today Shape the Health of Future Generations”

Devra Lee Davis, University of Pittsburgh

Hosted by: CANHR/IAB, INBRE, CNSM, EPSCoR

Information: <http://canhr.uaf.edu> or email Diana

Campbell, fndlc2@uaf.edu

The lecture will also be webcast at <http://canhr.uaf.edu>

FRIDAY, SEPTEMBER 5

11:00 a.m. - 12:00 p.m. - IAB Library, 311 Irving I
Hazardous Waste Training Workshop

This class is required for all people that work in a laboratory environment and have not previously had this training, or anyone that might have specific concerns about disposal of waste materials in their lab. Please RSVP to Jami Warrick you plan to attend.

NEW FUNDING OPPORTUNITIES

You can help determine how the technology fee is spent by submitting a proposal to the **Technology Advisory Board**.

Visit www.alaska.edu/uaf/tab/ and submit a proposal.

Faculty and staff deadline is Friday, September 26, 2008, and the UAF student deadline is Friday, October 3, 2008.

For more information please contact: Linda Levy fydir@uaf.edu, x7224

Deadlines for Alaska EPSCoR 2008-2009 Programs

Alaska EPSCoR (Experimental Program to Stimulate Competitive Research) is pleased to announce a schedule of assistance and award programs available this academic year. See www.alaska.edu/epscor for a description of programs

- **Department of Defense EPSCoR (DEPSCoR):**
Approximate due dates:
Preproposal due September 5
Proposal due October 17

LIFE SCIENCES SEMINAR

September 5, 2008

3:30 p.m. - Elvey Auditorium

“Endocrine Disruptors and Carcinogens: Implications for Public Health”

Dr. Devra Davis, University of Pittsburgh

- **Travel Grants:** September 22 and January 30
- **Undergraduate Research Fellowships:** September 29
- **Early-Career Fellowships:** October 6
- **Increasing Engagement of Alaska Native People:** October 13
- **Graduate Research Fellowships for 2009-2010:** February 6

ANGUS GAVIN MIGRATORY BIRD RESEARCH GRANT - Proposal Deadline: November 17, 2008

The UA Foundation is pleased to announce the availability of the Angus Gavin Memorial Bird Research Grant for the 2009 field season (\$14,000 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.

2503. O'Brien, D.M., K.J. Min, T. Larsen, and M. Tatar. 2008. Use of Stable Isotopes to Examine How Dietary Restriction Extends *Drosophila* Lifespan. *Current Biology* 18, no. 4: R155-R156.

2504. White, D., V. Autier, K. Yoshikawa, **J. Jones**, and S. Seelen. 2008. Using DOC to better understand local hydrology in a subArctic watershed. *Cold Regions Science and Technology* 51, no. 1: 68-75.

2505. Hodges, M.R., G.J. Tattersall, **M.B. Harris**, S.E. McEvoy, D.N. Richerson, E.S. Deneris, R.L. Johnson, Z.F. Chen, and G.B. Richerson. 2008. Defects in Breathing and Thermoregulation in Mice with Near-Complete Absence of Central Serotonin Neurons. *Journal of Neuroscience* 28, no. 10: 2495-505.

2506. Bentzen, T.W., E.H. Follmann, S.C. Amstrup, G.S. Tork, M.J. Wooller, D.C.G. Muir, and T.M. O'Hara. 2008. Dietary Biomagnification of Organochlorine Contaminants in Alaskan Polar Bears. *Canadian Journal of Zoology* 86: 177-91.

PUBLICATIONS

2497. Taylor, B.E., Andrea E. Croll, Michelle L. Drucker, and Ann Wilson, 2008. Developmental exposure to ethanol or nicotine inhibits the hypercapnic ventilatory response in tadpoles. *Respiratory Physiology & Neurobiology* 160, no. 1: 83-90.

2498. Castrodale, L., I. Kuzmin, S.A. Nadin-Davis, **E. Follmann**, K. Kandola, I. Sobol, E. Galanis, and A. Wanaler. 2007. Alaska Rabies Summit, Anchorage, Alaska - December 11, 2006. *Emerging Infectious Diseases* 13, no. 11.

2499. Yan, J., B.M. Barnes, F. Kohl, and T. Marr. 2008. Modulation of gene expression in hibernating arctic ground squirrels. *Physiological Genomics* 32: 170-181.

2500. O'Brien, D.M., and M.J. Wooller. 2007. Tracking human migration using stable oxygen and hydrogen isotope analyses of hair and urine. *Rapid Communications in Mass Spectrometry* 21: 2422-30.

2501. Scott, James H., **D.M. O'Brien**, David Emerson, Henry Sun, Gene D. McDonald, Antonio Salgado, and Marilyn L. Fogel. 2006. An Examination of the Carbon Isotope Effects Associated with Amino Acid Biosynthesis. *Astrobiology* 6, no. 6: 867-80.

2502. Saleem, M., H. Brim, S. Hussain, M. Arshad, **M. B. Leigh**, and Zia-Ul-Hassan. 2008. Perspective on microbial cell surface display in bioremediation. *Biotechnology Advances* 26: 151-61.

TRAVEL

- **Benjamin Gaglioti**, 7/8-9/3, Toolik Field Station, field work, trapping and animal research
- **József Geml**, 8/10-9/20, Moscow, Yamal Peninsula, Russia, Yamal field work
- **Jason Garron**, 7/1/08-4/30/09, Bonanza Creek, site visit
- **Falk Huettmann**, 7/5-9/6, Sakhalin, St. Petersburg, Russian Khinka Lake, and Vladivostok, field work, Avian Influenza and IPY St. Petersburg conference
- **Jeremy Jones**, 6/1-9/15, various field sites in Alaska for research
- **Franziska Kohl**, 8/24-9/3, Toolik Field Station, AK, field work, trapping and animal research
- **Trixie Lee**, 9/1-11, Turin, Italy, International Marmot Conference
- **Irina Mueller**, 8/2-9/3, Cambridge, England, learn new method for mitochondrial leak measurements
- **Steffen Oppel**, 8/24-9/8, Honolulu, HI, attend the 2008 IsoEcol VI Conference
- **Sarah Renteria**, 6/1-9/15, various field sites in Alaska for research
- **Melanie Richter**, 7/8-9/3, Toolik Field Station, AK, field work, trapping and animal research
- **Amanda Rinehart**, 6/1-9/15, various field sites in Alaska for research
- **Jun Yan**, 9/4-29, traveling from Shanghai, China to Fairbanks, Alaska for collaboration on hibernation genomics
- **Margaret Zimmer**, 6/1-9/15, various field sites in Alaska for research

Quote of the Week:

“Do not take yourself too seriously. You have to learn not to be dismayed at making mistakes. No human being can avoid failures.”

~ Lawrence G. Lovasik