



LIFE SCIENCE NEWS

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

Monday, 20 April 2009

Announcements

NIH offers Challenge Grants from news funds as part of the American Recovery and Reinvestment Act of 2009. Application submission deadline is April 27, 2009. Click [here](#) for application.

Congratulations to Ed Debevec, IAB IT staff member, who finished the Boston Marathon in 3:33:33 and Mark Lindberg, IAB and BW wildlife faculty member, who finished in 2:46:01.

UAF's proposed **Life Sciences Innovation and Learning Facility** is UA's top priority for new construction. Learn more about what's planned and why this facility is urgently needed for our students and for Alaska's premier life science research program.

Toolik Field Station to host summer field course in Arctic science Aug.3-28, 2009. Application deadline is Apr. 30, 2009. This four-week, four-credit course is a component of the University of the Arctic Thematic Network on Global Change in the Arctic and addresses ecology of Arctic and boreal ecosystems through daily lectures, field sampling and evening literature discussions.

The American Society of Mammalogists 2009 annual meeting will be hosted by IAB and the UA Museum of the North on the UAF campus June 24-28. Meeting co-chairs are

Kris Hundertmark and Link Olson and the coordinator is Hayley Lanier.

Outstanding Biology and Wildlife Faculty Member nominees for teaching excellence sought by the Department of Biology and Wildlife now through noon April 20. Nominations will be accepted from any enrolled part- or full-time undergraduate or graduate student. Nominations must be received by the Department office, 211 Irving I, by noon April 20, 2009.

Travel award opportunity. The Alaska NASA EPSCoR Space Grant Programs are soliciting applications from affiliated* university researchers to travel to NASA to initiate collaborative projects. The local contact is Rebecca Lees at the Geophysical Institute, rebecca.lees@gi.alaska.edu. *Affiliate members are listed at <http://spacegrant.alaska.edu>

Events and Seminars

21 April 2009

• **Seminar: Rhizoremediation of Diesel Contaminated Soil using Willow A method review and summary of initial results**

Kelly McFarlin

1:00PM

201 O'Neill

No seminar scheduled this week.

• **Seminar: Black-white differentials in cause-specific infant mortality in the United States, 1983-2002**
Seung-Eun Song
3:30PM
401 Akasofu Building (IARC)

• **Seminar: A Practical Guide to Getting Into Grad School**
Liz Humphries, Mandy Robertson
5:30PM
208 Irving I

22 April 2009

• **Seminar: Using Spatial Ecology and GIS for the Sustainability and Management of Natural Resources**
Falk Huettmann
1:00PM
201 O'Neill

23 April 2009

• **Seminar: Genetic and physiological approach to the complexity of metabolic syndrome**
Juan Lopez-Alvarenga, MD, Ph.D.
11:00AM
401 Akasofu Building (IARC)

• **Workshop: Hazardous Waste Management Training**
jami.warrick@alaska.edu
1:00PM
IAB Library

• **Seminar: Moving beyond aspatial phylogenies, physiology and data mining: adding a spatial view to a complex world**
Falk Huettmann
2:15PM
201 Irving I

Travel

• **Barnes, Brian**, 4/17/09 - 4/23/09, New Orleans, LA, presenting Hibernation Genomics at Experimental Biology 2009

• **Chapin, Terry**, 4/25/09 - 4/28/09, attend Workshop on Scientists Communication with Media

• **Euskirchen, Eugenie**, 4/16/09 - 4/24/09, Washington, DC, NSF Ecosystem Panel Meeting

• **Griffith, Brad**, 4/20/09 - 4/21/09, Anchorage, AK, present at the Wildlife Conservation Society Workshop

• **Hardy, Ira**, 4/4/09 - 6/2/09, Newark, NJ to Fairbanks, AK, invited guest speaker on "Climate Change" at the Effie Kokrine Charter School

• **Haynes, Trevor**, 4/26/09 - 4/29/09, Anchorage, AK, Helicopter Manager Training for BLM in preparation for summer fieldwork

• **Kane, Evan**, 4/8/09 - 5/10/09, Lansing MI to Fairbanks, AK, conduct a winter manipulation study at Bonanza Creek

• **Lindberg, Mark**, 4/17/09 - 5/5/09, Washington, DC, attend Patuxent Wildlife Research Conference

• **Loring, Phillip**, 9/18/08 - 5/9/09, Arizona and Mexico, RAP Internship, Sonoram Institute

New Funding Opportunities

Alaska NASA EPSCoR Space Grant Program Travel Solicitation (Alaska NASA EPSCoR Space Grant Program Travel)

Amount available per project: Awards subject to availability of NASA funding

Deadline: 4/30/2009

Alaska NASA EPSCoR Space Grant Programs are soliciting travel applications from affiliated university researchers to travel to NASA HQ or field centers to meet and initiate collaborative projects with NASA scientists.

For more information, go to

www.iab.uaf.edu/research/funding_docs/EPSCoR_NASA_Travel_Apr09.pdf

Jack R. Luick Memorial Travel Fund (UAF Advancement Services)

Amount available per project: \$500-\$1,000

Deadline: 6/1/2009

Applications are being accepted from students seeking limited support (generally \$500-\$1,000) for travel to upcoming scientific conferences in 2009.

Qualifications: Enrolled as a graduate student at UAF. In good academic standing. Pursuing a course of study in nutritional or physiological ecology of ungulates.

More information in IAB Director's Office or call 474-6464.

New IAB Publications

Legend: f=faculty, r=research associate, s=staff, e=emeritus, a=affiliate, g=grad student, p=post-doc, u=undergrad student, h=high school student

Craig, Erica H., Craig, Tim H., **Huettmann, Falk (f)**, and Fuller, Mark R. (2009). Use of machine learning algorithms to predict the incidence of lead exposure in golden eagles. Peregrine Fund Conference Proceedings 2008 Lead Conference [IAB 2557].

Hansen, Heidi, McDonald, David B., **Groves, Pamela (r)**, **Maier, Julie A.K. (r)**, and **Ben-David, Merav (r)** (2009). Social networks and the formation and maintenance of river otter groups. *Ethology* 115:384-396 [IAB 2558].

Yi, Shuhua (p), Maines, Kristen, Harden, Jennifer, and **McGuire, A. David (f)** (2009). Characteristics of organic soil in black spruce forests: Implications for the application of land surface and ecosystem models in cold regions. *Geophysical Research Letters* 36: [IAB 2559].

Balshi, Michael S. (g), **McGuire, A. David (f)**, Duffy, Paul, Flannigan, Mike, Walsh, John, and Melillo, Jerry (2008). Assessing the response of area burned to changing climate in western boreal North America using a Multivariate Adaptive Regression Splines (MARS) approach. *Global Change Biology* 15:578-600 [IAB 2560].

Ruess, Roger W. (f), **McFarland, Jack M. (g)**, Trummer, Lori M., and **Rohrs-Richey, Jennifer K. (g)** (2009).

Disease-mediated declines in N-fixation inputs by *Alder tenuifolia* to early-successional floodplains in Interior and south-central Alaska. *Ecosystems* 12:489-502 [IAB 2562].

Kielland, K. (r), **McFarland, J.W. (g)**, and **Ruess, R.W. (f)** (2007). Rapid cycling of organic nitrogen in taiga forest ecosystems. *Ecosystems* 10:360-368 [IAB 2563].

Vogel, J.G., Bond-Lamberty, B.P., Schuur, E.A.G., Gower, S.T., Mack, M.C., O'Connell, K.E.B., Valentine, D.W., and **Ruess, R.W. (f)** (2008). Carbon allocation in boreal black spruce forests across regions varying in soil temperature and precipitation. *Global Change Biology* 14:1503-1516 [IAB 2564].

Urschel, Matthew R. (g) and **O'Brien, Kristin M. (f)** (2008). High mitochondrial densities in the hearts of Antarctic icefishes are maintained by an increase in mitochondrial size rather than mitochondrial biogenesis. *Journal of Experimental Biology* 211:2638-2646 [IAB 2565].

Olson, Link E. (f), Sargis, Eric J., Stanley, William T., **Hildebrandt, Kyndall, B.P. (g)**, and Davenport, Tim R.B. (2008). Additional molecular evidence strongly supports the distinction between the recently described African primate *Rungwecebus kipunji* (Cercopithecidae, Papionini) and *Lophocebus*. *Molecular Phylogenetics and Evolution* 48:789-794 [IAB 2566].

Tranchida Lombardo, V., **Hopkins, S.E. (g)**, Sellosse, M.-A., Cozzolino, S., and **Taylor, L. (f)** (2008). Isolation and characterization of new polymorphic microsatellite loci in the mixotrophic orchid *Limodorum abortivum* L. Swartz (Orchidaceae). *Molecular Ecology Resources* 8:1117-1120 [IAB 2567].

Quote of the Day

Love and work are the cornerstones of our humanness.

[Sigmund Freud](#)

more [Famous Quotes](#)