



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, 27 April 2009

Announcements

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.

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

27 April 2009

- **Seminar: HIV prevention among young people in- and out-of-school in northern Tanzania**

Sheri Bastien

3:30PM

401 Akasofu Building (IARC)

- **Seminar: YOUR FUTURE IN MEDICINE: Opportunities at Pacific Northwest University of Health Sciences**

Stanley L.K. Flemming, Gretchen Eickmeyer

7:00PM

Schaible Auditorium (Bunnell Bldg.)

28 April 2009

- **Seminar: Determination of the Ecology and Phylogeny of Novel Fungal Phyla in the Boreal Forest**

Daniel Glass

1:00PM

201 Irving I

- **Seminar: A Practical Guide to Getting Into Grad School**

Liz Humphries, Mandy Robertson

5:30PM

208 Irving I

LIFE SCIENCES SEMINAR

Friday, 1 May 2009

3:30PM - Elvey Auditorium, 214 Elvey Building

Ravens at the Feast

Bernd Heinrich

University of Vermont, Department of Biology, Marsh Life Science Building

29 April 2009

• Seminar: Fatty Acid Biomarkers: What Can They Tell Us about Food Webs, Ecosystem Function, and Contaminant Transfer?

Michael Arts

1:00PM

201 O'Neill

• Seminar: What do you do when you need to do WAY too many tests of significance? An introduction to the multiple comparison problem and some solutions

Ron Barry

2:15PM

201 Irving I

• Seminar: Robustness and overcredibility in phylogenetic inference

Mark Holder

3:30PM

Elvey Auditorium, 214 Elvey Building

Travel

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

• **Chapin, Terry**, 5/3/09 - 5/6/09, Washington, DC, Attend Meeting: National Academy Science Climate Change Adaption Panel

• **Gerken, Jon**, 5/1/09 - 5/11/09, Albuquerque, NM, presenting at the Western Division American Fisheries Society meeting

• **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

• **Lee, Trixie**, 4/21/09 - 5/13/09, Toolik Station, Fieldwork at the Toolik Station

• **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

• **Margraf, Joe**, 5/2/09 - 5/8/09, Albuquerque, NM, attend the Western Division American Fisheries Society meeting

• **Scott, Glenn**, 4/29/09 - 5/4/09, Toolik Station, Fieldwork at the Toolik Station

• **Shea, Katie**, 5/2/09 - 9/1/09, Fairbanks, Fieldwork at Bonanza Creek

• **Wagner, Diane**, 4/28/09 - 5/2/09, Washington, DC, Serve on NSF Panel Meeting.

• **Whidden, Susan**, 4/21/09 - 4/29/09, Toolik Station, Fieldwork at the Toolik Station

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.

Computer Tip of the Week

UA Google Mail is now available to all UAF personnel

On 14 April 2009, UAF Office of Information Technology began consolidating UAF and Statewide email services into Google Apps @ UA. All accounts must be migrated to

Gmail by the end of 2009.

The main Google Apps @ UA site can be found at <https://www.alaska.edu/google/>. On this page, there is a lot of information about Google Apps in general and Gmail in particular, including News and Information, and FAQs. You can log in from this page by clicking on the mail icon.

The pilot testing phase is now over, and all UAF and Statewide email users can opt-in to the new mail system when they are ready. To begin the process, and for more information, go to <https://www.alaska.edu/google/opt-in/> (you will need to know your UAusername and Password). If you have questions, call the OIT Support Center at 450-8300.

Once you have your new email address, please use the Submit Bio form (www.iab.uaf.edu/facstaff/submitbio.php) so that we can update the IAB database.

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

Seppelt, Rodney D. (r), Laursen, Gary A. (a), and Lichvar, Robert (2008). A guide to Alaskan black spruce wetland bryophytes. US Army Corps of Engineers [IAB 2568].

Taylor, D.L. (f) and McCormick, Melissa K. (2008). Internal transcribed spacer primers and sequences for improved characterization of basidiomycetous orchid mycorrhizas. *New Phytologist* 117:1020-1033 [IAB 2569].

Taylor, D. Lee (f), Booth, Michael G. (p), McFarland, Jack W. (g), Herriott, Ian C. (g), Lennon, Niall J., Nusbaum, Chad, and Marr, Thomas G. (2008). Increasing ecological inference from high throughput. *Molecular Ecology Resources* 8:742-752 [IAB 2570].

Fedorov, V. B. (r), Goropashnaya, A.V. (p), Boeskorov, G.G., and Cook, J.A. (2008). Comparative phylogeography and demographic history of the wood lemming (*Myopus schisticolor*): implications for late Quaternary history of the taiga species in Eurasia. *Molecular Ecology* 17:598-610 [IAB 2571].

Raynolds, Martha K. (r), Walker, Donald A. (f), Munger, Corinne A. (g), Vonlanthen, Corrine M. (p), and Kade, Anja N. (p) (2008). A map analysis of patterned-ground along a North American Arctic Transect. *Journal of Geophysical Research Biogeosciences* 113: [IAB 2573].

Hartman, K.J. and **Margraf, F.J. (f)** (2008). Common relationships among proximate composition components in fishes. *Journal of Fish Biology* 73:2352-2360 [IAB 2574].

Topp, Carrie M. (g) and Winker, Kevin (f) (2008). Genetic Patterns of Differentiation among Five Landbird SpSpecies from the Queen Charlotte Islands, British Columbia. *The Auk* 125:461-472 [IAB 2575].

Wardle, David A., Bellingham, Peter J., Bonner, Karen I., and **Mulder, Christa P.H. (f)** (2009). Indirect effects of invasive predators on litter decomposition and nutrient resorption on seabird-dominated islands. *Ecology* 90:452-464 [IAB 2576].

Gustine D.D. (g) and Parker K.L. (r) (2008). Variation in the seasonal selection of resources by woodland caribou in northern British Columbia. *Canadian Journal of Zoology* 86:812-825 [IAB 2577].

Cilverd, Hannah M. (g), Jones, Jeremy B. (f), and Kielland, Knut (f) (2008). Nitrogen retention in the hyporheic zone of a glacial river in interior Alaska. *Biogeochemistry* 88:31-46 [IAB 2578].

Hollingsworth, T.N. (a), Schuur, E.A.G., Chapin III, F.S. (f), and Walker, M.D. (2008). Plant Community Composition as a Predictor of Regional Soil Carbon Storage in Alaskan Boreal Black Spruce Ecosystems. *Ecosystems* 11:629-642 [IAB 2579].

Gould, William A., Gonzalez, Grizelle, Hudak, Andrew T., **Hollingsworth, Teresa Nettleton (a), and Hollingsworth, Jamie (s)** (2008). Forest Structure and Downed Woody Debris in Boreal, Temperate, and Tropical Forest Fragments. *Ambio* 37:577-587 [IAB 2580].

Oppel, Steffen (g), Powell, Abby N. (f), and Dickson, L. Lynne (2009). Using an algorithmic model to reveal individually variable movement decisions in a wintering sea duck. *Journal of Animal Ecology* 78:524-531 [IAB 2581].

Gonzalez, G., Gould, A. T., Hudak, A.T., and **Hollingsworth, T.N. (a)** (2008). Decay of Aspen (*Populus tremuloides* Michx.) Wood in Moist and Dry Boreal, Temperate, and Tropical Forest Fragments. *Ambio* 37:588-597 [IAB 2582].

Myers-Smith, I.H. (g), Harden, J.W., Wilmking, M., Fuller, C.C., McGuire, A.D. (f), and Chapin III, F.S. (f) (2008). Wetland succession in a permafrost collapse: interactions between fire and thermokarst. *Biogeosciences* [IAB 2583].

Myers-Smith, Isla H. (g), McGuire, A.David (f), Harden,

Jennifer W., and **Chapin III, F. Stuart (f)** (2007). Influence and adjacent burned forest. *Journal of Geophysical Research* 112: [IAB 2584].
of disturbance on carbon exchange in a permafrost collapse

Quote of the Day

Injustice anywhere is a threat to justice everywhere.

[Martin Luther King, Jr.](#)

more [Famous Quotes](#)