



LIFE SCIENCE NEWS

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April 13, 2009

ANNOUNCEMENTS

MONDAY, APRIL 13

3:30 p.m. - 4:30 p.m. - Elvey Auditorium - 214 Elvey CANHR Faculty Candidate Forum

“The Importance of Statistics in an Advancement of
Cancer Research”

Jong Soo Lee, Ph.D.

Lee is a candidate for CANHR’s biostatistics faculty
position. Dr. Lee is a visiting assistant professor at
Carnegie Mellon University.

For more information, contact Michelle Dondanville at
474-6230 or <http://canhr/uaf.edu>.

TUESDAY, APRIL 14

3:00 p.m. - 4:00 p.m. - Elvey Auditorium - 214 Elvey CANHR Faculty Candidate Forum

“Utilization of Mindfulness and Acceptance Based
Treatment Technologies to Serve Marginalized
Populations”

Julieann Pankey, Ph.D.

Pankey is a candidate for CANHR’s prevention/
intervention faculty position. Dr. Pankey has taught
psychology courses at the University of Nevada-Reno,
where she also earned her clinical psychology doctorate.

For more information, contact Michelle Dondanville at
474-6230 or <http://canhr/uaf.edu>.

WEDNESDAY, April 15

1:00 p.m. – 2:00 p.m. 201 O’Neill

Freshwater Ecosystems Seminar Series

“Diversification and Hybridization of Freshwater Fishes
along the Florida Panhandle”

Andres Lopez

Information: ffmsw@uaf.edu

3:30 p.m. - 210 WRRB, videoconference

Biomedical Seminar

“Current Concepts of Sudden Infant Death Syndrome”

James C. Leiter

This Alaska WAAMI Science in Medicine Lecture is
given by a candidate for the WWAMI/INBRE
Professorship in Biomedical Sciences position at UA.
James C. Leiter, MD, is a professor of physiology and
medicine at Dartmouth Medical School and is involved
in the Neuroscience Center and the Program in
Experimental and Molecular Medicine. Leiter is a
nationally recognized expert on the neurophysiology of
respiratory control, central chemosensitivity and Sudden
Infant Death Syndrome. His research focuses on the role
of astrocytes.

Hosted by Alaska INBRE/George Happ

THURSDAY, April 16

11:-00 a.m. - 12:00 p.m. IAB Library

Hazardous Waste Management Training

This training is required by the EPA 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. If you would like to attend, please contact Jami
Warrick at x5455 or at jami.warrick@alaska.edu.

2:15 p.m. - 201 Irving I

Genetics & Evolutionary Biology Seminar

EPSCoR Spring Seminar Series

“Nucleotide diversity in *Populus balsamifera*”

Matt Olson

FRIDAY, APRIL 17

3:30 - 4:30 p.m. - Elvey Auditorium - 214 Elvey

CANHR Faculty Candidate Forum

“Elucidating and Addressing the Barriers to Breast
Health Screening for Women Living with Disabilities”

Ellen D. S. Lopez, Ph.D.

Lopez is a candidate for CANHR’s epidemiology faculty
position. Dr. Lopez is an adjunct assistant professor with
the University of Florida, Gainesville and a CANHR
consultant.

For more information, contact Michelle Dondanville at
474-6230 or <http://canhr/uaf.edu>.

LIFE SCIENCES SEMINAR CANCELLED THIS WEEK

NEW FUNDING OPPORTUNITIES

Exxon Valdez Oil Spill Trustee Council

Implementation of the Exxon Valdez Oil Spill
Restoration Plan
Federal Fiscal Year 2010

Invitation for Proposals - Deadline: April 20, 2009

A copy of the invitation may be obtained by visiting the following link:

<http://www.evostc.state.ak.us/Universal/Documents/Proposals/FY10%20Invitation%20-%20Final.pdf>
<http://www.evostc.state.ak.us/Universal/Documents/Proposals/FY10%20Invitation%20-%20Final.pdf>

The **National Institutes of Health (NIH)** received new funds for Fiscal Years (FYs) 2009 and 2010 as part of the American Recovery and Reinvestment Act of 2009 (Recovery Act) and has designated at least \$200 million for a new initiative called NIH Challenge Grants in Health and Science Research (see http://grants.nih.gov/grants/funding/challenge_award/), contingent upon the submission of a sufficient number of scientifically meritorious applications.

Please see the "**NIH offers Challenge Grants**" announcement with PDF link to the application posted on the IAB home page under "IAB Announcements" (www.iab.uaf.edu). *Click on the small box icon next to the announcement to expand the text and see the PDF link.

Jack R. Luick Memorial Travel Fund Deadline: June 1, 2009

for travel through November 30, 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.

The Alaska NASA EPSCoR Space Grant Programs are soliciting applications from affiliated* university researchers to travel to NASA headquarters or field

centers to meet with and initiate collaborative projects with NASA scientists.

The local contact for this solicitation is Rebecca Lees at the Geophysical Institute, rebecca.lees@gi.alaska.edu.

*Affiliate members are listed at <http://spacegrant.alaska.edu>

Information and application cover page are available at: http://www.iab.uaf.edu/research/funding_docs/EPSCoR_NASA_Travel_Apr09.pdf

PUBLICATIONS

- 2531.** Pamperin, N.J., **Follmann, E.H.**, & Person, B.T. (2008). Sea-ice use by Arctic Foxes in Northern Alaska. *Polar Biology*, 31, 1421–1426.
- 2532.** Bentzen, R.L., **Powell, A.N.**, & Suydam, R.S. (2008). Factors Influencing Nesting Success of King Eider's on Northern Alaska's Coastal Plain. *Journal of Wildlife Management*, 72(8), 1781–1789.
- 2533.** Oppel, S., **Powell, A.N.**, & Dickson, D.L. (2008). Timing and Distance of King Eider Migration and Winter Movements. *The Condor*, 110(2), 296–305.
- 2534.** Oppel, S., **Powell, A.N.**, & O'Brien, D. (2008). Using Eggshell Membrane as a Non-invasive Tool to Investigate the Source of Nutrients in Avian Eggs. *Journal of Ornithology*, 1–7.
- 2535.** **Walker, D.A.**, Epstein, H.E., & Welker, J.M. (2008). Introduction to special section on biocomplexity of arctic tundra. *Journal of Geophysical Research*, 113, 1–5.
- 2536.** Ihl, C. & **Barboza, P.S.** (2007). Nutritional value of moss for arctic ruminants: A test with muskoxen. *Journal of Wildlife Management*, 71(3), 752–758.
- 2537.** Crater, A.R. & **Barboza, P.S.** (2007). Regulation of fermentation during seasonal fluctuations in food intake of muskoxen. *Comparative Biochemistry and Physiology*, 146, 233–241.
- 2538.** Crater, A.R. & **Barboza, P.S.** (2007). The rumen in winter: Cold shocks in naturally feeding muskoxen. *Journal of Mammalogy*, 88(3), 625–631.
- 2539.** Mason, D.D., **Barboza, P.S.**, & Ward, D.H. (2007). Winter location affects morphology of resident and migrant Pacific Black Brant. *Canadian Journal of Zoology*, 85, 728–736.

- 2540. Barboza, P.S.** & Parker, K.L. (2008). Allocating protein to reproduction in arctic reindeer and caribou. *Physiological and Biochemical Zoology*, 81(6), 835–55.
- 2541. Munn, A.J.** & **Barboza, P.S.** (2008). Could a big gut be too costly for muskoxen (*Ovibos moschatus*) in their first winter? *Zoology*, 111(5), 350–362.
- 2542. Mulder, C.P.H.**, Roy, B.A., & Gusewell, S. (2008). Herbivores and pathogens on *Alnus viridis* subsp. *fruticosa* in Interior Alaska: effects of leaf, tree, and neighbour characteristics on damage levels. *Botany*, 86(4), 408–421.
- 2543. Rohrs-Richey, J.K.** & **Mulder, C.P.H.** (2008). Effects of local changes in active layer and soil climate on seasonal foliar nitrogen concentrations of three boreal forest shrubs. *Canadian Journal of Forest Research*, 37(2), 383–394.
- 2544. Rixen, C.** & **Mulder, C.P.H.** (2005). Improved water retention links high species richness with increased productivity in arctic tundra moss communities. *Oecologia*, 146(2), 287–99.
- 2545. Mulder, C.P.H.**, Grant-Hoffman, M.N., Towns, D.R., Bellingham, P.J., Wardle, D.A., Durrett, M.S., et al. (2008). Direct and indirect effects of rats: does rat eradication restore ecosystem functioning of New Zealand seabird islands? *Biological Invasions, online edition*.
- 2546. Towns, D.R.**, Wardle, D.A., **Mulder, C.P.H.**, Yeates, G.W., Fitzgerald, B.M., Parrish, G.R., et al. (2008). Predation of seabirds by invasive rats: multiple indirect consequences for invertebrate communities. *Oikos, early view*.
- 2547. Goropashnaya, A.V.**, Herrona, J., Sexton, M., Havelb, P.J., Stanhope, K.L., **Plaetke, R.**, et al. (2009). Relationships between plasma adiponectin and body fat distribution, insulin sensitivity, and plasma lipoproteins in Alaskan Yup'ik Eskimos: the Center for Alaska Native Health Research study. *Metabolism Clinical and Experimental*, 58(1), 22–29.
- 2548. Chung, W.K.**, Patki, A., Matsuoka, N., **Boyer, B.B.**, Liu, N., Musani, S.K., et al. (2009). Analysis of 30 Genes (355 SNPS) Related to Energy Homeostasis for Association with Adiposity in European-American and Yup'ik Eskimo Populations. *Human Heredity*, 67(3), 193–205.
- 2549. Linnell, J.D.C.**, Swenson, J.E., Andersen, R., & **Barnes, B.M.** (2000). How vulnerable are denning bears to disturbance? *Wildlife Society Bulletin*, 28(2), 400–413.
- 2550. Frank, C.L.**, Karpovich, S., & **Barnes, B.M.** (2008). Dietary fatty acid composition and the hibernation patterns in free-ranging arctic ground squirrels. *Physiological and Biochemical Zoology*, 81(4), 486–495.
- 2551. Opper, S.** & **Powell, A.N.** (2008). Assigning king eiders to wintering regions in the Bering Sea using stable isotopes of feathers and claws. *Marine Ecology Progress Series*, 373, 149–156.
- 2552. Ma, Y.** & Wu, S. (2008). Simultaneous measurement of brain tissue oxygen partial pressure, temperature, and global oxygen consumption during hibernation, arousal, and euthermia in non-sedated and non-anesthetized Arctic ground squirrels. *Journal of Neuroscience Methods*, 174, 237–244.
- 2553. Stevenson, K.T.**, van Tets, I.G., & Chon, D.Y. (2009). Making No Bones About It: Bone Mineral Density Changes Seasonally in a Nonhibernating Alaskan Rodent. *Journal of Mammalogy*, 90(1), 25–31.
- 2554. Stevenson, K.T.**, van Tets, I.G., & Nay, L.A.I. (2009). The seasonality of reproduction in photoperiod responsive and nonresponsive northern red-backed voles (*Myodes rutilus*) in Alaska. *Canadian Journal of Zoology*, 87, 152–164.
- 2555. Su, B.**, Wang, X., **Drew, K.L.**, Perry, G., Smith, M.A., & Zhu, X. (2008). Physiological regulation of tau phosphorylation during hibernation. *Journal of Neurochemistry*, 105, 2098–2108.
- 2556. Euskirchen, E.S.**, **McGuire, A.D.**, & **Chapin III, F.S.** (2007). Energy feedbacks of northern high-latitude ecosystems to the climate system due to reduced snow cover during 20th century warming. *Global Change Biology*, 13, 1–2425-2438.

TRAVEL

- ➔ **Brian Barnes**, 4/17-23/09, New Orleans, LA, presenting Hibernation Genomics at Experimental Biology 2009
- ➔ **Terry Chapin**, 4/14/09, Anchorage, AK, invited to present to USFWS Ecological Monitoring Workshop
- ➔ **Eugenie Euskirchen**, 4/16-24/09, Washington, DC, NSF Ecosystem Panel Meeting

- **Ira Hardy**, 4/10-6/02/09, Newark, NJ to Fairbanks, AK, invited guest speaker on “Climate Change” at the Effie Kokrine Charter School
- **Trevor Haynes**, 4/15-17/09, Anchorage, AK, meeting with various government agencies to discuss conservation status of Yellow Billed Loons
- **Mark Lindberg**, 4/17-5/05/09, Washington, DC, attend Patuxent Wildlife Research Conference
- **Evan Kane**, 4/8-5/10/09, Lansing, MI to Fairbanks, AK, conduct a winter manipulation study at Bonanza Creek
- **Emily Weiser**, 4/16-19/09, Tucson, AZ, present part of thesis at Copper Ornithological Society Annual Meeting

Quote of the Week:

We don't see things as they are, we see them as we are.

~Anais Nin