



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, 11 May 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.

NIH announces **Alaska INBRE to receive \$17.7M** for second phase of five-year infrastructure funding. University of Alaska Fairbanks will receive \$17.7 million for the Alaska INBRE program "Contaminants and Infectious Agents: Molecular Approaches," led by Principal Investigator: George M. Happ, Ph.D.

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.

Events and Seminars

14 - 15 May 2009

• **Symposium: University of Alaska Biomedical Research Conference**

fyabnp@uaf.edu

8:00AM

Pike's Waterfront Lodge

• **Seminar: What the dynamics of speciation reveal about the "when, where and why" of an evolutionary radiation**
Lacey Knowles

2:15PM

Elvey Auditorium, 214 Elvey Building

15 May 2009

• **Workshop: Bear Safety Workshop**

9:00AM

Joe Nava's house

16 May 2009

• **Social: LARS Open House**

11:00AM

Large Animal Research Station

• **Social: Climate Change and Creative Expression**
Mary Beth Leigh / mb.leigh@uaf.edu

7:00PM

Empress Theater

Travel

• **Benson, Emily**, 5/17/09 - 5/21/09, Grand Rapids, MI, Attend North American Benthological Society

• **Bret-Harte, Marion**, 5/12/09 - 5/15/09, San Diego, CA, Attend LTER Science Council

• **Cable, William**, 5/8/09 - 8/31/09, Delta Junction, Fieldwork near Delta Junction between May through August

• **Chapin, Terry**, 5/11/09 - 5/14/09, Anchorage, AK, Attend LTER National Advisory Board Meeting

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

• **Gutierrez, Laura**, 5/15/09 - 5/21/09, Grand Rapids, MI, Attend North American Benthological Society

• **Hardy, Ira**, 4/4/09 - 6/2/09, Newark, NJ to Fairbanks, AK,

No seminar scheduled this week.

invited guest speaker on "Climate Change" at the Effie Kokrine Charter School

- **Huettmann, Falk**, 5/12/09 - 5/17/09, Attend the Polar Macro Scope Workshop
- **Kohl, Franziska**, 4/27/09 - 5/15/09, Toolik Station, Fieldwork at Toolik Field Station
- **Laursen, Gary**, 5/8/09 - 5/21/09, Boston, MA- Concord & Durham, NH- Seattle, WA, Attend AK Statewide meeting/ High School Science Symposium- Rines Gala
- **Lee, Trixie**, 4/21/09 - 5/13/09, Toolik Station, Fieldwork at the Toolik Station
- **Markley, Elizabeth**, 5/13/09 - 5/21/09, Grand Rapids, MI, Attend North American Benthological Society Conference
- **McGuire, Dave**, 5/11/09 - 5/15/09, San Diego, CA, attend the LTER network and executive board meeting
- **Olson, Matt**, 5/9/09 - 5/15/09, Reno, NV, Plant Mitochondrial Biology Conference and EPSCOR meeting
- **Shea, Katie**, 5/2/09 - 9/1/09, Fairbanks, Fieldwork at Bonanza Creek
- **Wipfli, Mark**, 5/17/09 - 5/21/09, Grand Rapids, MI, Present paper at the North American Benthological Society 57th Annual Meeting

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

Armbruster, W. Scott (f) and Muchhala, Nathan (2009). Associations between floral specialization and species diversity: cause, effect, or correlation?. *Evolutionary Ecology* 23:159-179 [IAB 2610].

Hanley, Mick E., Lamont, Byron B., and **Armbruster, W. Scott (f)** (2008). Pollination and plant defence traits co-vary in Western Australian Hakeas. *New Phytologist* 182:251-260 [IAB 2611].

Lankinen, Asa, Maad, Johanne, and **Armbruster, W. Scott (f)** (2009). Pollen-tube growth rates in *Collinsia heterophylla* (Plantaginaceae): one-donor crosses reveal heritability but no effect on sporophytic-offspring fitness. *Annals of Botany* 103:941-950 [IAB 2612].

Fedorov, Vadim B. (r), **Goropashnaya, Anna V. (p)**, **Toien, Oivind (r)**, **Stewart, Nathan C. (s)**, Gracey, Andrew Y., Change, Cella, Qin, Shizhen, Persea, Geo, Quackenbush, John, Showe, Louise C., Showe, Michael K., **Boyer, Bert B. (f)**, and **Barnes, Brian M. (f)** (2009). Elevated expression of protein biosynthesis genes in liver and muscle of hibernating black bears (*Ursus americanus*). *Physiological Genomics* 37:108-118 [IAB 2613].

Goropashnaya, Anna V. (p), **Fedorov, Vadim B. (r)**, Seifert, Bernhard, and Pamilo, Pekka (2007). Phylogeography and population structure in the ant *Formica exsecta* (Hymenoptera, Formicidae) across Eurasia as reflected by mitochondrial DNA variation and microsatellites. *Annales Zoologici Fennici* 44:462-474 [IAB 2614].

Kane, E.S., **Betts, E.F. (g)**, Burgin, A.J., **Clilverd, H.M. (g)**, Crenshaw, C.L., **Fellman, J.B. (g)**, Myers-Smith, I.H., O'Donnell, J.A., Sobota, D.J., Van Verseveld, W.J., and **Jones, J.B. (f)** (2008). Precipitation control over inorganic nitrogen import-export budgets across watersheds: a synthesis of long-term ecological research. *Ecohydrology* 1:105-117 [IAB 2615].

Fellman, Jason B. (g), Hood, Eran, Edwards, Rick T., and D'Amore, David V. (2008). Return of Salmon-Derived Nutrients from the Riparian Zone to the Stream during a Storm in Southeastern Alaska. *Ecosystems* 11:537-544 [IAB 2616].

Fellman, Jason B. (g), Franz, Eldon H., Crenshaw, Chelsea L., and Elston, Denise (2009). Global estimates of soil carbon sequestration via livestock waste: a STELLA simulation. *Environment, Development and Sustainability* [IAB 2617].

Quote of the Day

They succeed, because they think they can.

[Virgil](#)

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