



LIFE SCIENCE NEWS

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Monday, 28 September 2009

Announcements

UA scientists seek new emphases in Arctic climate change research. IAB authors Syndonia "Donie" Bret-Harte, David Klein, A. David McGuire, and a team of international scientists have a paper published in Science September 11, 2009. Read more [here](#)

Undergrad Research Project Funding. The UAF Center for Research Services has funds available for fall 2009 and spring 2010 UG research projects and **IAB will provide a 50% match available for use as student salary.** Maximum award is \$2,500. Projects from any discipline will be considered. The project must be the student's work with involvement of a faculty member at all stages.

CRS details and a downloadable application is online at www.uaf.edu/research. DEADLINE IS 5 P.M. OCT. 5. For more information on the IAB match contact Brian Barnes.

National Academies Graduate Fellowship Program in Policy and Global Affairs. Eligible applicants include grad students and post-docs and individuals who have completed graduate studies or post-doc research in any physical or biological science, social/behavioral science, any field of engineering, law/business/public admin or any relevant interdisciplinary field within the last five years. The program takes place in Washington, D.C. Deadlines are Nov. 1 and May 1. See www.national-academies.org/policyfellows for more information.

PhD comic strip creator to speak at UAF. Jorge Cham, creator of the comic strip about graduate students called "Piled Higher and Deeper," will give a free public lecture Wednesday, Sept. 30, 7 p.m. in Schaible Auditorium on the UAF campus. Cham offers a humorous look at the life of graduate students. The events are sponsored by the UAF Graduate School and the Arthur J. Schaible Memorial Cultural Enrichment Fund. For more information, contact the UAF Graduate School at 907-474-7464

Events and Seminars

1 October 2009

- **Meeting:**
1:00PM
201 Irving I - IAB Faculty Meeting

2 October 2009

- **Seminar: Rhizoremediation of PCBs**
Heather Slater
1:00PM
138 Irving II

Travel

- **Bali, Archana**, 9/30/09 - 10/7/09, Yellow Knife, NT, Attend Bathurst Caribou Recovery Workshop
- **Barboza, Perry**, 10/4/09 - 10/7/09, San Antonio, TX,

LIFE SCIENCES SEMINAR

Friday, 2 October 2009

3:30PM - Elvey Auditorium, 214 Elvey Building

Rethinking Zoonotic Disease at the Intersection of Disease Ecology, Virology, and Genetics

Jonathan Runstadler

Institute of Arctic Biology, Department of Biology and Wildlife

Invited seminar speaker at TTU.

- **Barrales, Rocio**, 9/3/09 - 10/21/09, Guadalajara, Mexico, Collect seeds along Pacific Coast in the Chamela biological station.
- **Bret-Harte, Marion**, 9/30/09 - 10/17/09, Santa Barbara, CA, Attend work group at NCEAS
- **Brower, Pearl**, 10/3/09 - 10/6/09, Fairbanks, AK, RAP Retreat
- **Chapin, Terry**, 9/24/09 - 10/2/09, Nanaimo, BC, Annual Resilience Alliance Meeting
- **Humphries, Grant**, 10/1/09 - 10/6/09, Whitehorse, YT, ACUNS Conference
- **Juday, Glen**, 9/4/09 - 11/15/09, Bonanza Creek, Fieldwork at Bonanza Creek
- **Kofinas, Gary**, 9/24/09 - 10/2/09, Tuffino and Garbriola, BC, Resilience Alliance Meeting
- **Lopez, Ellen**, 10/1/09 - 10/4/09, Anchorage, AK, Research development including meetings with Cancer related providers and Cancer Survivor Conference
- **Spencer, David**, 9/4/09 - 11/15/09, Bonanza Creek, Fieldwork at Bonanza Creek
- **Vargas-Kretsinger Delia & Group**, 5/25/09 - 10/5/09, Beaver, AK, Conduct salmon fieldwork in Beaver area
- **Weiser, Emily**, 10/1/09 - 10/6/09, Whitehorse, Yukon, Attend the ACUNS Conference
- **Young, Rebecca**, 9/24/09 - 9/28/09, Cincinnati, OH, Collect samples from Cincinnati zoo.

New Funding Opportunities

Gulf of Alaska Integrated Ecosystem Research Program
(North Pacific Research Board)

Deadline: 10/12/2009

DEADLINE HAS BEEN EXTENDED TO OCTOBER 12, 2009

This request for proposals is for the Forage Base component, the Lower Trophic Level & Physical Oceanography component and the Ecosystem Modeling component. Each component will be competed separately.

For more information, go to nprb.org/goaierp/index.html

2009-2010 Undergraduate Research Competition (UAF Center for Research Services)

Deadline: 10/5/2009

Application Deadline October 5, 5p.m. AST

The Center for Research Services has funds available for undergraduates interested in conducting a research project during fall 2009 and/or spring 2010 semesters. Projects from any research discipline will be considered. The research project must be the student's work with a faculty member involved in all stages of the research.

A complete submission consists of a two and a half page application and an attached letter of recommendation from the faculty sponsor/mentor.

IAB will provide 50% match to CRS awards won in support of undergraduate research that is conducted in IAB faculty labs. The match will be available for use as student salary.

For more information, go to www.uaf.edu/research

The Science Master's Program (National Science Foundation)

Deadline: 11/20/2009

Letter of Intent due Monday, October 5

The NSF Science Master's program is a limited submission opportunity; one proposal may be submitted per institution, CRS will conduct an internal competitive review for PIs interested in submitting.

PIs interested in submitting to this opportunity are asked to send a copy of their LOI for consideration to the Office of Sponsored Programs (fyosp@uaf.edu) by Wednesday, September 30.

For more information, go to www.nsf.gov/publications/pubsumm.jsp?WT.z_pims_id=503428&ods_key=nsf09607

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

Birdsey, R., Bates, N., Behrenfeld, M., Davis, K., Doney, S., Feely, R., Hansell, D., Heath, L., Kasischke, E., Kheshgi, H., Law, B., Lee, C., **McGuire, A.D. (f)**, Raymond, P., and Tucker, C.J. (2009). Carbon cycle observations: Gaps threaten climate mitigation policies. *Eos* 90:292-293 [IAB 2640].

Xiao, Jingfeng, Zhuang, Qianlai, Liang, Eryuan, **McGuire,**

A. David (f), Moody, Aaron, Kicklighter, David W., Shao, Xuemei, and Melillo, Jerry M. (2009). Twentieth-Century Droughts and Their Impacts on Terrestrial Carbon Cycling in China. *Earth Interactions* 13:31 p. [IAB 2641].

Brown, Lee E., Hannah, David M., and **Milner, Alexander M. (f)** (2007). Vulnerability of alpine stream biodiversity to shrinking glaciers and snowpacks. *Global Change Biology* 13:958-966 [IAB 2642].

Brown, Lee E., **Milner, Alexander M. (f)**, and Hannah, David M. (2007). Groundwater influence on alpine stream ecosystems. *Freshwater Biology* 52:878-890 [IAB 2643].

Monaghan, Kieran A. and **Milner, Alexander M. (f)** (2008). Salmon carcasses as a marine-derived resource for benthic macroinvertebrates in a developing postglacial stream, Alaska. *Canadian Journal of Aquatic Science* 65:1342-1351 [IAB 2644].

Brown, Lee E., Hannah, David M., and **Milner, Alexander**

M. (f) (2009). ARISE: a classification tool for Alpine River and Stream Ecosystems. *Freshwater Biology* 54:1357-1369 [IAB 2645].

Milner, Alexander M. (f), Robertson Anne L., Mohaghan, Kieran A., Veal, Amanda J., and Flory, Elizabeth A. (2008). Colonization and development of an Alaskan stream community over 28 years. *Frontiers in Ecology* 6:413-419 [IAB 2646].

Mitchell, Jennifer S. (g) and **Ruess, Roger W. (f)** (2009). N₂ fixing alder (*Alnus viridis* spp. *fruticosa*) effects on soil properties across a secondary successional chronosequence in interior Alaska. *Biogeochemistry* 95:215-229 [IAB 2647].

Moses, Sara K. (g), Whiting, Alex V., Muir, Derek C.G., Wang, Xiaowa, and **O'Hara, Todd M. (f)** (2009). Organic nutrients and contaminants in subsistence species of Alaska: Concentrations and relationship to food preparation method. *International Journal of Circumpolar Health* 68:354-371 [IAB 2648].

Quote of the Day

A will finds a way.

[Orison Swett Marden](#)

more [Famous Quotes](#)