



LIFE SCIENCE NEWS

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February 16, 2009

ANNOUNCEMENTS

TUESDAY, FEBRUARY 17

1:00 p.m. - 201 Irving I

Biobites (Grad Student) Seminar

“Spatial modeling of Dimethylsulfide in the global ocean”

Grant Humphries, UAF Dept. of Biology and Wildlife

Information: Ryan Cooper, cooperalaska@gmail.com

WEDNESDAY, FEBRUARY 18

1:00 p.m. - 201 O’Neill

Ecology & Ecosystem Seminar

“Chinook salmon fry distribution, genetic origin, and colonization timing in non-natal U.S. streams of the Yukon River”

David Daum, U.S. Fish and Wildlife Service

Information: ffmsw@uaf.edu

THURSDAY, FEBRUARY 19

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

Hazardous Waste Management Training

There will be a Hazardous Waste Management training offered on Thursday, February 19 from 11:00 a.m. to 12:00 p.m. in the IAB Library, 311 Irving I. 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.

The Student-Faculty Awards Committee is seeking **nominations** for the **Marion Francis Boswell Award** (Outstanding Graduating Senior Woman), the **Joel Wiegert Award** (Outstanding Graduating Senior Man),

and the **Gray S. Tilly Memorial Award** (Outstanding Graduating Non-Traditional Student). These awards recognize outstanding UAF graduates each year.

You are encouraged to nominate a student or students for consideration by the committee relative to the awards above. Students nominated must have received or will be receiving their baccalaureate degree during the 2008-2009 academic year. Questions concerning these awards may be directed to Lydia Anderson at 7037. Nominations are accepted online at: www.alaska.edu/woodcenter/awards. Faculty, Staff, and students are encouraged to nominate. **Submission deadline is February 20, 2009.**

GRANTS AND AWARDS

Perry Barboza

\$111,445

“Condition and Movement of Moose in Relation to Urban Development”
USGS

NEW FUNDING OPPORTUNITIES

Important information about the 2009 Global Change Student Competition:

Both graduate and undergraduate students are encouraged to check out the application information for the newly revised and expanded 2009 Global Change Student Research Grant Competition, now posted at <http://www.cgc.uaf.edu>. Interested students and their faculty advisors should read the 2009 information carefully, as many things have changed since last year! Paper copies of the announcement can be picked up at the Center for Global Change, Room 306 Akasofu (IARC), or the Graduate School, Room 202 Eielson. **Full proposals are due Friday, March 6, 2009.** For information call Susan Sugai at 474-5415.

LIFE SCIENCES SEMINAR

3:30 p.m.

Friday, February 20, 2009, Elvey Auditorium

“Understanding Acid-Base: The Strong Ion Difference”

Robert Furilla

Interim Associate Director, UAA WWAMI

The Emil Usibelli Distinguished Teaching, Research and Service Awards have been presented annually to three faculty members each year since 1992. These three \$10,000 awards go to individuals who display extraordinary excellence in teaching, research and public service - the areas representing the tripartite mission of the University of Alaska Fairbanks. Individuals receiving the awards will be exemplary in their contributions to the discovery, communication and use of knowledge.

All members of the university community - faculty, staff, students and the public are encouraged to submit nominations. **Nomination deadline is February 18, 2009.** Nominations will take the form of a one-page memorandum, highlighting the experience of the nominee in teaching, research or public service. Please choose which one of these areas you are nominating the candidate for and provide rationale of the nominee's qualifications and the nature of the distinguished activity. Please send nominations to the Office of the Provost, 301 Signers' Hall, fax to 474-1836, or email to fnskl@uaf.edu.

The Compton Foundation

Description: In a world that is increasingly interrelated, the Compton Foundation seeks to foster human and ecological security by addressing contemporary threats to these inalienable rights. We support responsible stewardship that respects the rights of future generations to a balanced and healthy ecology, both personal and global, allowing for the full richness of human experience. The Foundation envisions a world in which humans live in harmony with each other, and in sustainable balance with the earth. To realize this vision, the Compton Foundation focuses most of its grant making in the areas of [Peace & Security](#), [Environment & Sustainability](#), and [Population & Reproductive Health](#), with a special emphasis on projects that explore the interconnections between these categories.

Details: UAF may submit one proposal per year.

Deadline: March 7, 2009

URL:

http://www.comptonfoundation.org/application_procedures.html

PUBLICATIONS

2517. Guzzetti, B. M., Talbot, S. L., Tessler, D. F., Gill, V. A., & Murphy, E. C. (2008). Secrets in the eyes of Black Oystercatchers: A new sexing technique. *Journal of Field Ornithology*, 79(2), 215–223.

2518. Schuur, E. A. G., Bockheim, J., Canadell, J. G., Euskirchen, E., Field, C. B., Goryachkin, S. V., et al. (2008). Vulnerability of permafrost carbon to climate

change: Implications for the global carbon cycle. *BioScience*, 58(8), 701–714.

2519. Huettmann, F. (2007). Modern adaptive management: Adding digital opportunities towards a sustainable world with new values. *Forum on Public Policy*, 3(4), 337–341.

2520. Craig, E., & Huettmann, F. (2008). Using “Blackbox” algorithms such as TreeNet and random forests for data-mining and for finding meaningful patterns, relationships, and outliers: An overview, an Example using golden eagle satellite data and an outlook for a promising future. In *Intelligent Data Analysis* (pp. 65–84).

2521. Bersamin, A., Luick, B. R., King, L. B., Stern, J. S., & Zudenberg-Cherr, S. (2008). Westernizing diets influence fat intake, red blood cell fatty acid composition, and health in remote Alaskan Native communities in the Center for Alaska Native Health Study. *Journal of the American Dietetic Association*, 108, 266–273.

2522. Bersamin, A., Luick, B. R., Ruppert, E., Stern, J. S., & Zidenberg-Cherr, S. (2008). Diet quality among Yup'ik Eskimos living in rural communities is low: The Center for Alaska Native Health Research pilot study. *Journal of American Dietetic Association*, 106, 1055–1063.

2523. Nielsen, S. E., Stenhouse, G. B., Beyer, H. L., Huettmann, F., & Boyce, M. S. (2008). Can natural disturbance-based forestry rescue a declining population of grizzly bears? *Biological Conservation*, 141, 2193–2207.

2524. Morris, A. B., Ickert-Bond, S. T., Brunson, B., Soltis, D. E., & Soltis, P. S. (2008). Phylogeographical structure and temporal complexity in American sweetgum (*Liquidambar styraciflua*; Altingiaceae). *Molecular Ecology*, 17, 3889–3900.

2525. Wen, J., Berggren, S. T., Lee, C. H., Ickert-Bond, S., Yi, T. S., Yoo, K. O., et al. (2008). Phylogenetic inferences in *Prunus* (Rosaceae) using chloroplast *ndhF* and nuclear ribosomal ITS sequences. *Journal of Systematics and Evolution*, 46(3), 322–332.

2526. Ickert-Bond, S., Pigg, K. B., & Wen, J. (2007). Comparative infructescence morphology in Altingia (Altingiaceae) and discordance between morphological and molecular phylogenies. *American Journal of Botany*, 94(7), 1094–1115. IAB 2526.

2527. Wisz, M. S., Hijmans, R. J., Peterson, A. T., Graham, C. H., Guisan, A., NCEAS Predicting Species

Distributions Working Group, et al. (2008). Effects of sample size on the performance of species distribution models. *Diversity and Distributions*, 14, 763–773.

2528. Wagner, D., DeFoliart, L., Doak, P., & Schneiderheinze, J. (2008). Impact of epidermal leaf mining by the aspen leaf miner (*Phyllocnistis populiella*) on the growth, physiology, and leaf longevity of quaking aspen. *Oecologia*, 157, 259–267.

2529. Geml, J., Tulloss, R. E., Laursen, G. A., Sazanova, N. A., & Taylor, D. L. (2008). Evidence for strong inter- and intracontinental phylogeographic structure in *Amanita muscaria*, a wind-dispersed ectomycorrhizal basidiomycete. *Molecular Phylogenetics and Evolution*, 48, 694–701. IAB 2529.

2530. Geml, J., Laursen, G. A., & Taylor, D. L. (2008). Molecular diversity assessment of arctic and boreal *Agaricus* taxa. *Mycologia*, 100(4), 577–589.

TRAVEL

- **Bill Cable**, 7/1/08-4/30/09, Bonanza Creek, site visit
- **Terry Chapin**, 2/3/09, Juneau, Tongass Science Conference, invited speaker
- **La Ona DeWilde**, 1/13-3/12/09, Sao Paulo, Brazil, IGERT internship
- **Robert Furilla**, 2/20/09, Anchorage to Fairbanks, guest speaker
- **Phillip Loring**, 9/18/08-5/1/09, Arizona and Mexico, RAP Internship, Sonoram Institute
- **Joe Margraf**, 2/18-19/09, Dillingham, AK, meet with ADF&G and FWS
- **Steffen Oppel**, 2/20-27/09, Hakodate, Japan, present part of a paper and attend the Pacific Seabird Group annual meeting
- **Jen Peterman**, 2/8-21/09, Palm Springs, CA, NCURA Conference
- **Emily Weiser**, 2/20-28/09, Hakodate, Japan, present part of a thesis and attend the Pacific Seabird Group annual meeting
- **Joe Welch**, 2/10-21/09, Anchorage-Fairbanks, research with Perry Barboza
- **Mark Wipfli**, 2/14-18/09, Orono, ME, present and collaborate on research at the University of Maine

Quote of the Week:

It's a recession when your neighbor loses his job; it's a depression when you lose your own.

~Harry S. Truman (1884-1972)