



LIFE SCIENCE NEWS

Published by the Institute of Arctic Biology in cooperation with the Department of Biology & Wildlife, College of Natural Science and Mathematics.

May 7, 2007

ANNOUNCEMENTS

CONGRATULATIONS to 2006-07 Promotion and Tenure Recipients (award of Promotion and Tenure is effective July 1, 2007):

Dr. Alexander Kitaysky, CNSM/IAB

Promotion and Tenure to Associate Professor

Dr. Gary Kofinas, SNRAS-IAB

Promotion and Tenure to Associate Professor

Dr. Marvin Schulte, CNSM, Associate Professor, Tenure

Dr. Diane Wagner, CNSM-IAB

Promotion and Tenure to Associate Professor

Dr. Kevin Winker, CNSM-Museum

Promotion to Professor

Congratulations are also in order for 2007-08 Sabbatical Leave Recipients:

Dr. Mark Lindberg, Associate Professor

Dr. Kevin McCracken, Associate Professor

Dr. Matthew Olson, Associate Professor

The **12TH BIENNIAL ALASKA BIRD CONFERENCE** will be held in Fairbanks at the Westmark Hotel, March 4-7, 2008. Suggestions for pre-conference workshops, special sessions, and associated meetings are now being accepted. Conference details will be posted at www.alaskabird.org as they become available. For further details contact Nancy DeWitt at ndewitt@alaskabird.org.

Sponsored by the National Science Foundation (NSF), a **Proposal Writing Workshop** will be held August 22-23, 2007 at UAF. The workshop mainly aims to provide future proposal submitters (in all disciplines funded by NSF) with knowledge and tools to write good proposals, with proposal review experience, and it will enable interactions with NSF program directors and recent NSF awardees. The event is targeted at an EPSCoR state, Alaska. However, the workshop is open to participants from other states as space permits. The registration deadline is June 1, 2007. Registration procedure and a tentative agenda for the workshop can be found at www.ksu.edu/career/Alaska. NSF is providing some participant support for faculty from the University of Alaska Anchorage, University of Alaska Southeast, and University of Alaska rural campuses to attend this workshop. The application form is posted on the Alaska EPSCoR website: www.alaska.edu/epscor. Please note the deadline to apply for participant support is Tuesday, May 22, 2007.

Workshop organizers:

Dr. Z.J. Pei, Kansas State University

Dr. Janet Twomey, Wichita State University

Joseph Dudley, a Research Associate of IAB and the University of Alaska Museum, has been designated as a "**Rapporteur**" of **ProMED-mail**, in recognition of his long association and important contributions to this organization in the identification and reporting of emerging disease outbreaks in North America and worldwide during the past 5 years.

SUNDAY, MAY 6

4:00 p.m. Davis Concert Hall

Sunday, May 6 is your very last chance to hear the **Alaska Chamber Chorale** perform. The group's final concert will be followed by a short program of special

LIFE SCIENCES SEMINAR

Thomas Larsen

Institute of Arctic Biology

Applications of Stable Isotopes in Food Web Ecology

Elvey Auditorium

Friday, May 11, 2007, 3:30 p.m.

presentations and a reception in the Great Hall. Admission is \$10 for adults, \$6 for students/seniors/military; children under 12 free. Tickets available at If Only, College Floral, Artworks, Hoitt's Stereo and Video, from chorale members or at the door. (West Ridge chorale members are Barb Hameister, Rich Boone, Karl Olson, Trina Roberts and Andrew Bray.) Proceeds will go to the Northland Children's Choir and the Boys and Girls Clubs of the Tanana Valley.

TUESDAY, MAY 8

10:00 a.m. – Elvey Globe Room

Department of Biology and Wildlife Thesis Defense

Effects of Moose Browsing on the Growth and Establishment of *Picea glauca*

Amy Angell, M.S. candidate

Information: ftaa1@uaf.edu

1:00 - 2:00 p.m. - 201 Irving I

Biobites – Biology Graduate Student Association Seminar

“The Air Up There”

Chris Barger, B&W Graduate Student

Information: ftjds2@uaf.edu

WEDNESDAY, MAY 9

9:00 a.m. – 1:00 p.m.

Training Sessions for Autoclave users

Session leader will be Tony DeCandia, President of LBR Scientific in Clifton, New Jersey. This training will be beneficial to new and experienced users, and is no cost to the participants. Following are the session times and locations:

9:00 a.m. – Arctic Health loading dock

10:00 a.m. – 109 Irving I

11:00 a.m. – Arctic Health loading dock

1:00 p.m. – 109 Irving I

Each session has the capacity for 10 participants and there are spaces available. Call or email Jami Warrick: x5455, fnjf2@uaf.edu

THURSDAY, May 10

Noon – IAB LIB, 311 IRV I

May 10th, noon, at the IAB library. Dr. Glen Stanosz, a plant pathologist from the University of Wisconsin, will be talking about *Sphaeropsis sapinea* (pine shoot blight and canker) and its interactions with red and jack pines. Dr. Stanosz is visiting Fairbanks as part of a team working on alder canker (*Valsa melanodiscus*, anamorph *Cytospora umbrina*). For information contact: Jennifer K. Rohrs-Richey, fsjkr1@uaf.edu

FRIDAY, MAY 11

1:00 p.m. – 138 IRV II

Physiology Seminar

Maintenance of copper homeostasis: Effects of *Cup1p* overexpression, *Mac1p*-dependent gene expression and survival of *S.cerevisiae*

Summer Engel, UAA Undergraduate

1:30 p.m. – 138 IRV II

Physiology Seminar

Virtual reality glutamatergic synaptic transmission

Lesa Hollen, UAF Graduate Student

📖📖 NEW PUBLICATIONS 📖📖

The lowercase letters following IAB authors identify that author as (f) - faculty, (pd) - post doc, (g) - graduate student, (e) - emeritus, (ra) - research associate, (af) - affiliate faculty, (s) - staff, (ug) - undergrad, and (hs) - high school.

2379. Guisan, A., C. H. Graham, J. Elith, **F. Huettmann**, (f), and NCEAS Species Distribution Modelling Group. Sensitivity of predictive species distribution models to change in grain size. *Diversity and Distributions* 13, 332-340. 2007.

2380. Taylor, **D. L.**, (f), I. C. Herriott, J. Long, and K. O'Neill. TOPO TA is A-OK: a test of phylogenetic bias in fungal environmental clone library construction. *Environmental Microbiology* 9[5], 1329-1334. 2007.

2381. Kimball, J. S., M. Zhao, **A. D. McGuire**, (f), and F. A. Heinsch. Recent climate-driven increases in vegetation productivity for the western Arctic: Evidence of an acceleration of the Northern Terrestrial Carbon Cycle. *Earth Interactions* 11, 1-30. 2007.

2382. Zhuang, Q., J. M. Melillo, **A. D. McGuire**, (f), D. W. Kicklighter, R. B. Prinn, P. A. Steudler, B. S. Felzer, and S. Hu. Net emissions of CH₄ and CO₂ in Alaska: Implications for the regions greenhouse gas budget. *Ecological Applications* 17[1], 203-212. 2007.

\$\$ GRANTS AND AWARDS \$\$

Kristin O'Brien

National Science Foundation (NSF)

“Molecular mechanisms of cold-induced mitochondrial biogenesis”

\$295,982

Donie Bret-Harte

Inter-American Institute for Global Change Research
“Functional biodiversity effects on ecosystem processes, ecosystem services and sustainability in the Americas: an interdisciplinary approach”

\$105,695

📖 NEW FUNDING OPPORTUNITIES 📖

FYI...New FY08 Provision Fringe Benefit Rates are out and applicable to all new Proposals. See Proposal coordinators for new rate.

The Animal Welfare Institute (AWI) is accepting applications for its 2007 **Christine Stevens Wildlife Award** program. This award program provides \$10,000 grants to help defray the costs of innovative and creative research on non-lethal tools and techniques for wildlife management and research. Deadline for application is May 31, 2007. See the IAB Director's Office for further details. Information: D.J. Schubert at (609) 334-1378 dj@awionline.org

📖 TIP OF THE WEEK 📖

Upgrade your Firefox browser: The Mozilla Firefox browser, a highly regarded web browser available for nearly all platforms, has recently released a new version. The current version is 2.0.0.3, which is available from <http://getfirefox.com>. If you are currently running versions 1.0.x or 1.5.x, now is a good time to upgrade, because Mozilla will only support Firefox 1.5.x until "mid-May", and has ended support for versions 1.0.x. That means that they won't be fixing any vulnerabilities in the older versions. Upgrades within a version number are now automatic, but upgrading from 1.5 to 2.0 requires a download. Keeping the most recent release of your browser is an important component of computer security, so please check for recent updates, no matter which browser or which platform you use.

➔➔ TRAVEL ➔➔

➔ Brian Barnes, 5/3-13, New York and California

Quote of the week:

To get what you want, you have to feel that you already have it.

- Peggy McColl -