



LIFE SCIENCE NEWS

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Monday, 13 April 2015

Announcements

The 2015 IAB-IMS Irving-Scholander Memorial Guest Lecturer will be [Mimi R. Koelh](#), professor of integrative biology, University of California, Berkeley. The public and scientists seminars are planned for the second week in September. Please mark your calendars and plan to join us. Details will be shared as soon as we have them. Link to [Koehl's lab](#).

Summer 2015 field course: UAF is hosting a 21-day summer field course: "Arctic Alaska Environmental Change" open to undergraduate and graduate students interested in Arctic environmental change. Details [here](#).

UAF Math Day (Apr. 22) volunteers sought. Sixth-grade students, accelerated in math, will experience how mathematics is applied in different fields of study on campus. Volunteers (e.g., PIs, grad students, post-docs) are needed to host hands-on applications, open-labs, etc. Details [here](#).

[Fulbright Scholar Program](#). The 2016-17 program in arctic affairs features Iceland, Norway, Sweden, and Russia. Application deadline Aug. 3, 2015.

Events and Seminars

14 April 2015

• **Webinar: ACCAP Webinar: Alaska River Break-up: Historic comparison and 2015 Spring Outlook - What can we expect?**
Rick Thoman & Crane Johnson
National Weather Service
10:00AM - 11:00AM
https://accap.uaf.edu/River_Breakup or Akasofu Bldg, rm 407 (IARC)

17 April 2015

• **Webinar: National Weather Service Alaska Climate Forecast Briefings**
Rick Thoman
National Weather Service Alaska Region
12:00PM - 1:00PM
https://accap.uaf.edu/NWS_Briefings

Travel

- **Barboza, Perry**, 4/14/15 - 4/16/15, Juneau, AK, Attend Annual meeting for AK Chapter of the Wildlife Society
- **Boyer, Bert**, 4/14/15 - 4/23/15, Bethel, AK; Rural Alaska, WAISC conference, Data collection

LIFE SCIENCES SEMINAR

Friday, 17 April 2015

3:00 PM - Murie Life Science Bldg, Murie Auditorium., Murie Life Science Bldg, Murie Auditorium.

TBA

Ryan Scott, Regional Supervisor, Division of Wildlife Conservation, SE Region
Alaska Department of Fish and Game

- **Brinkman, Todd**, 4/12/15 - 4/20/15, Juneau and Sitka, AK, Attend TWS Conference in Juneau and Field work in Sitka
- **DeRonde, Stephanie**, 4/17/15 - 4/18/15, Anchorage, AK, Attend American Society for Microbiology Alaska Branch 2015 Meeting
- **Edgar, Colin**, 9/1/14 - 6/15/15, Toolik Field Station, Field work
- **Kielland, Knut**, 4/14/15 - 4/17/15, Juneau, AK, Participate in TWS Annual Meeting
- **McGuire, Dave**, 4/18/15 - 4/23/15, Beijing, China, Present research at Tsinghua University
- **Nu, Jennifer**, 4/14/15 - 4/20/15, Bethel, AK, Western Alaska Interdisciplinary Science Conference
- **Olnes, Justin**, 4/14/15 - 4/16/15, Juneau, AK, Present at the TWS Annual meeting
- **Prugh, Laura**, 4/13/15 - 4/17/15, Juneau, AK, Attend AK Chapter of TWS Conference
- **Uliassi, Daniel**, 4/12/15 - 4/13/15, Pamer, AK, Program /Fieldwork

Grants and Awards

Go to the IAB funding opportunities webpage, www.iab.uaf.edu/research/funding_opps.php, for the latest on available grants, scholarships, fellowships, and awards.

IAB in the News

4/10/15: The Guardian
[Permafrost 'carbon bomb' may be more of a slow burn, say scientists](#)
 David McGuire, Ted Schuur, Merritt Turetsky, Jennifer Harden, Permafrost Carbon Network

4/10/15: Morning Ledger
[Thawing arctic permafrost - a new source of greenhouse gas emissions](#)
 David McGuire, Ted Schuur, Merritt Turetsky, Jennifer Harden, Permafrost Carbon Network

4/10/15: Juneau Empire

[Wildlife Society to honor Flynn, Larsen with lifetime achievement awards](#)
 Perry Barboza

4/10/15: Sit News (Sitka Alaska)
[Scientists predict slower permafrost greenhouse gas emissions](#)
 David McGuire, Ted Schuur, Merritt Turetsky, Jennifer Harden, Permafrost Carbon Network

4/10/15: The Guardian
[Cool arctic squirrels may hold key to Alzheimer's cure](#)
 Kelly Drew

4/10/15: U.S. News & World Report
[Researchers say carbon release from thawing permafrost likely will be gradual, not sudden](#)
 David McGuire, Ted Schuur, Merritt Turetsky, Jennifer Harden, Permafrost Carbon Network

4/11/15: Pioneer News
[Experts Say Permafrost Thawing Will Release even More Carbon](#)
 David McGuire, Ted Schuur, Merritt Turetsky, Jennifer Harden, Permafrost Carbon Network

4/11/15: News Maine
[Melting permafrost will release carbon into atmosphere in form of greenhouse gases: Study](#)
 David McGuire, Ted Schuur, Merritt Turetsky, Jennifer Harden, Permafrost Carbon Network

4/11/15: SBS Australia
[Arctic permafrost poses global warming threat](#)
 David McGuire, Ted Schuur, Merritt Turetsky, Jennifer Harden, Permafrost Carbon Network

4/12/15: Reporting Climate Science.com
[Permafrost carbon release will be gradual says study](#)
 David McGuire, Ted Schuur, Merritt Turetsky, Jennifer Harden, Permafrost Carbon Network

4/6/15: Chemical and Engineering News
[Protecting The Brain With Hibernation Triggering receptors involved in hibernation may help stroke and heart-attack patients](#)

Kelly Drew

4/8/15: Phys.org

[Scientists predict gradual, prolonged permafrost greenhouse gas emissions](#)

David McGuire, Jennifer Harden, Merritt Turetsky, Ted Schuur, Permafrost Carbon Network

4/8/15: Thawing Permafrost Will 'Seep, Not Explode' CO2

[Climate - Central](#)

David McGuire, Merritt Turetsky, Jennifer Harden, Ted Schuur, Permafrost Carbon Network

4/8/15: The Washington Post

[The Arctic climate threat that nobody's even talking about yet](#)

David McGuire, Jennifer Harden, Merritt Turetsky, Ted Schuur, Permafrost Carbon Network

4/8/15: MSN Weather

[Thawing Permafrost Flagged As Growing Climate Danger](#)

David McGuire, Jennifer Harden, Merritt Turetsky, Ted Schuur, Permafrost Carbon Network

4/8/15: (e) Science News

[Scientists predict gradual, prolonged permafrost greenhouse gas emissions](#)

David McGuire, Jennifer Harden, Merritt Turetsky, Ted Schuur, Permafrost Carbon Network

4/8/15: Hometown News Group (hngn.com)

[Thawing Permafrost Will Gradually Release Global Warming-Related Greenhouse Gas Instead Of Exploding Like 'Big Bomb'](#)

David McGuire, Ted Schuur, Jennifer Harden, Merritt Turetsky, Permafrost Carbon Network

4/8/15: Science Daily

[Scientists predict gradual, prolonged permafrost greenhouse gas emissions, allowing us more time to adapt](#)

David McGuire, Ted Schuur, Merritt Turetsky, Jennifer Harden, Permafrost Carbon Network

4/8/15: Science Newsline

[Scientists Predict Gradual, Prolonged Permafrost Greenhouse Gas Emissions](#)

David McGuire, Ted Schuur, Jennifer Harden, Merritt Turetsky, Permafrost Carbon Network

4/8/15: Climate Progress

[Why This New Study On Arctic Permafrost Is So Scary](#)

David McGuire, Ted Schuur, Jennifer Harden, Merritt Turetsky, Permafrost Carbon Network

4/9/15: ClimateWire Iwww.eenews.net)

[Fixing 'bugs' in climate models: accounting for melting permafrost](#)

David McGuire, Ted Schuur, Merritt Turetsky, Jennifer Harden, Permafrost Carbon Network

4/9/15: Sci-News.com

[Frozen Soils Could Become Major Source of Greenhouse Gas Emissions](#)

David McGuire, Ted Schuur, Merritt Turetsky, Jennifer Harden, Permafrost Carbon Network

4/9/15: High Country News

[Permafrost's ticking "carbon bomb" may never truly detonate](#)

David McGuire, Ted Schuur, Merritt Turetsky, Jennifer Harden, Permafrost Carbon Network

4/9/15: Science 2.0

[No Permafrost Carbon Bomb Coming, According To New Study](#)

David McGuire, Ted Schuur, Jennifer Harden, Merritt Turetsky, Permafrost Carbon Network

4/9/15: Science World Report

[Gradual Release of Permafrost May Allow Society to Adapt](#)

David McGuire, Ted Schuur, Jennifer Harden, Merritt Turetsky, Permafrost Carbon Network

4/9/15: Nature World News

[Arctic Permafrost May Help Us Adapt to Climate Change](#)

David McGuire, Ted Schuur, Jennifer Harden, Merritt Turetsky, Permafrost Carbon Network

New IAB Publications

Legend: **f**=faculty, **r**=research scientist, **s**=staff, **e**=emeritus, **a**=affiliate, **g**=grad student, **p**=post-doc, **u**=undergrad student, **h**=high school student

Patil, V.P. (g), Karels, T.J., and Hik, D.S. (2015). Ecological, Evolutionary and Social Constraints on

Reproductive Effort: Are Hoary Marmots Really Biennial Breeders?. PLoS ONE 10:e0119081EP - [IAB 3948].

Worker, S.B. (g), **Kielland, K. (f)**, and **Barboza, P.S. (f)** (2015). Effects of geophagy on food intake, body mass, and nutrient dynamics of snowshoe hares (*Lepus americanus*). Can. J. Zool. 93:323-329 [IAB 3949].

See the [UAF Cornerstone](http://uafornerstone.net/) for more news and events (http://uafornerstone.net/).

Quote of the Day

A man can be destroyed but not defeated.

[Ernest Hemingway](#)