



# LIFE SCIENCE NEWS

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Monday, 3 February 2014

## Announcements

**SkiMass now planned for March.** If our current weather continues, we may be running while carrying our skis!

**Human Dimensions in Wildlife** faculty candidate seminars will be in March. Check IAB's [calendar](#) for details.

**Global Change Student Research Grant** deadline for submitting a proposal to the 2014 competition is **7 February 2014**. Details and complete proposal guidelines at [www.cgc.uaf.edu](http://www.cgc.uaf.edu)  
See [www.cgc.uaf.edu](http://www.cgc.uaf.edu) for more information.

## Events and Seminars

### 3 February 2014

- **BGSA Meeting: BGSA monthly meeting**  
12:00PM  
Murie Bldg, rm 105

### 5 February 2014

- **Seminar: Antarctic Icefishes: Life Without Hemoglobin**  
**Kristin O'Brien**  
Associate Professor of Biology and Wildlife

Institute of Arctic Biology, Department of Biology and Wildlife, UAF  
5:30PM  
Schaible Auditorium, Bunnell Building

- **Seminar: On Dangerous Ice - Rules for Navigating on River Ice**  
**Knut Kielland and Bill Schneider**  
UAF  
6:00PM  
Murie Life Science Bldg, Murie Auditorium.

### 6 February 2014

- **Meeting: Non-Traditional Students Organization meeting**  
5:30PM  
Gruening 501 (Justice Dept)

- **Seminar: Imaging the Arctic - a Science Café event**  
**Maria Coryell-Martin and Kristin Laidre**  
University of Washington Polar Science Center  
7:00PM  
Noel Wien Library

### 8 February 2014

- **Meeting: Hopeful Connections Cancer Support Group: Bagels & Beading**  
**Hopeful Connections Cancer Support Group**  
Hopeful Connections Cancer Support Group: Bagels

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## LIFE SCIENCES SEMINAR

Friday, 7 February 2014

2:30 PM - Murie Life Science Bldg, Murie Auditorium.

### **Impacts of Climate Change on Pack Ice-Associated Arctic Marine Mammals**

Kristin Laidre, Principal Scientist

Polar Science Center, University of Washington, Seattle, WA

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& Beading  
IAB Center for Alaska Native Health Research &  
Fairbanks Native Association Community Services  
10:00AM  
Fairbanks Native Association Building, 315 Wendell  
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## Travel

- **Barnes, Brian**, 1/31/14 - 2/8/14, Oulanka, Finland, Attend INTER-ACT conference
- **Bret-Harte, Donie**, 2/1/14 - 2/9/14, Oulanka, Finland, Attend INTER-ACT meetings
- **Drew, Kelly**, 1/22/14 - 2/28/14, San Francisco, CA, Attend seminars at UCSF and SRI and work with collaborators
- **Frost, Shalane**, 2/4/14 - 2/6/14, Anchorage, AK, Inventorying Alaska's Forests Meeting
- **Hopkins, Scarlett**, 1/27/14 - 2/7/14, Bethel, Data Collection
- **McGuire, Dave**, 2/2/14 - 2/5/14, Lanham, MD, Attend 4th NASA ABOVE Science Definition Team Meeting
- **Spellman, Katie**, 2/3/14 - 2/4/14, Anchorage, AK, Present at the Alaska Forum on the Environment

## Grants and Awards

Go to the IAB funding opportunities webpage, [www.iab.uaf.edu/research/funding\\_opps.php](http://www.iab.uaf.edu/research/funding_opps.php), for the latest on available grants, scholarships, fellowships, and awards.

## 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

**Euskirchen, Eugenie S. (f)**, Goodstein, Eban S., and Huntington, Henry P. (2013). An estimated cost of lost climate regulation services caused by thawing of the Arctic cryosphere. *Ecological Applications* 23:1869-1880 [IAB 3798].

**Euskirchen, Eugenie S. (f)**, Carman, Tobey B., and **McGuire, A. David (f)** (2014). Changes in the structure and function of northern Alaskan ecosystems when considering variable leaf-out times across groupings of species in a dynamic vegetation model. *Global Change Biology* 20:963-978 [IAB 3799].

**Turetsky, M.R. (r)**, Bond-Lamberty, B., **Euskirchen, E. (f)**, Talbot, J., Frolking, S., **McGuire, A.D. (f)**, and Tuittila, E.-S. (2012). The resilience and functional role of moss in boreal and arctic ecosystems. *New Phytologist* 196:49-67 [IAB 3800].

Ueyama, Masahito, Ichii, Kazuhito, Iwata, Hiroki, **Euskirchen, Eugenie S. (f)**, Zona, Donatella, Rocha, Adrian V., Harazono, Yoshinobu, Iwama, Chie, Nakai, Taro, and Oechel, Walter C. (2013). Upscaling terrestrial carbon dioxide fluxes in Alaska with satellite remote sensing and support vector regression. *Journal of Geophysical Research: Biogeosciences* 118:1266-1281 [IAB 3801].

Ueyama, Masahito, Iwata, Hiroki, Harazono, Yoshinobu, **Euskirchen, Eugenie S. (f)**, Oechel, Walter C., and Xona, Donatella (2013). Growing season and spatial variations of carbon fluxes of Arctic and boreal ecosystems in Alaska (USA). *Ecological Applications* 23:1798-1816 [IAB 3802].

Lead author: Huntington, Henry P., Contributing authors: Arnbom, Tom, Danielsen, Finn, Enghoff, Martin, **Euskirchen, Eugenie S. (f)**, Forbes, Bruce C., Kurvits, Tiina, Levermann, Nette, Lovstrom, Peter, Mustonen, Kaisu, Mustonen, Tero, Schiotz, Martin, Sommerkorn, Martin, Svoboda, Michael, and Topp=Jorgensen, Elmer, York, Geoff (2013). Chapter 19: Disturbance, Feedbacks and Conservation. *Arctic Biodiversity Assessment Report: Synthesis Implications for Conservation* 629-651 [IAB 3803].

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See the [UAF Cornerstone](http://cornerstone.uaf.edu) for more news and events (<http://cornerstone.uaf.edu>).

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### Quote of the Day

Clever people will recognize and tolerate nothing but cleverness.

[Henri Frederic Amiel](#)