



LIFE SCIENCE NEWS

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Monday, 30 June 2014

Announcements

Protection of minors mandatory training for all UAF staff and faculty. Deadline 31 Aug. 2014. [Details here](#).

Title IX mandatory training for all UAF staff and faculty. Deadline 31 Aug 2014. [Schedule and instructions](#).

UAF is closed July 3-4 for the Independence Day holiday.

June 30 limited purchase order deadline. Check [\(here\)](#) for deadlines for the UAF procurement requisition cutoff schedule for Fund 1.

Events and Seminars

2 July 2014

• **Thesis Defense: Identifying bearded and ringed seal diet - A comparison of stomach contents, stable isotopes, fatty acids, and fecal DNA**

Anna Bryan

1:00PM - 2:00PM

Murie Life Science Bldg, Murie Auditorium.

3 July 2014

• **Notice: Independence Holiday**

4 July 2014

• **Notice: Independence Holiday**

Travel

• **Barnes, Brian**, 7/5/14 - 7/8/14, Toolik Field Station, Travel with visitor from Denmark

• **Boldenow, Megan**, 5/8/14 - 7/13/14, Kotzebue, AK, Field work in Cape Krusenstern

• **Bret-Harte, Donie**, 6/5/14 - 8/1/14, Toolik Field Station, Field work; 7/5/14 - 7/8/14, Toolik Field Station, Travel with visitor from Denmark

• **Dagan, Danielle**, 7/2/14 - 7/24/14, Healy, AK, Field work

• **Hansell, Holly**, 4/1/14 - 6/30/14, Fairbanks, AK, Blanket mileage for local Fairbanks Driving

• **Keyes, Bernadine**, 6/17/14 - 7/5/14, Kotlik, AK, Program/Field Work

• **Kielland, Knut**, 5/15/14 - 10/15/14, Bonanza Creek, Field work; 6/30/14 - 7/3/14, Kenai, AK, Field work

• **Koonce, Carolyn**, 3/17/14 - 8/31/14, Fairbanks, AK, Work at UAF

• **Moore, Jeanette**, 4/18/14 - 8/1/14, Toolik Field Station, Summer field work

• **Mosher, Bryan**, 5/14/14 - 7/30/14, Washington, DC, Internship at the National Institutes of Health

• **Mulder Group**, 6/6/14 - 10/30/14, Bonanza Creek LTER Sites, field work

• **Petersen, Nathan**, 7/1/14 - 8/2/14, Fairbanks, AK, Assist on research project with Laura Prugh

Life Sciences Seminars in the Murie Auditorium, Fridays 3-4 p.m.
No seminar scheduled this week.

- **Robinson, Brian**, 5/9/14 - 9/4/14, Seward, AK, Field work/Thesis Research
- **Ruess, Roger**, 6/2/14 - 7/1/14, Interior AK, field work
- **Shoen Group**, 3/16/14 - 12/31/14, Chena and Tanana Rivers in North Pole and Fairbanks areas, Field work for Chinook predation project
- **Voight, Rachel**, 5/31/14 - 8/6/14, Fairbanks, AK, Work in Jones lab
- **Wagner, Diane**, 6/15/14 - 8/18/14, Various Sites around Interior Alaska, Field work
- **Wenninger, Alexandria**, 6/12/14 - 8/20/14, Various Sites in Interior Alaska, Field work
- **Zhou, Jiake**, 6/4/14 - 12/17/14, Fairbanks, AK, Attend UAF

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

6/23/14: The Los Angeles Times
[Opinion: What global warming looks like up close](#)
Toolik Field Station

6/24/14: Los Angeles Times
[Opinion: Climate change: The peril is in all the things we don't know](#)
Toolik Field Station

6/24/14: Fairbanks Daily News-Miner
[Colorful beetle find earns boy 'collector' title at Museum of the North](#)
Derek Sikes

6/25/14: Science Codex
[Earlier snowmelt prompting earlier breeding of Arctic birds](#)
Kirsty Gurney

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

O'Brien, D.M. (f), **Kristal, A.R. (r)**, **Nash, S.H. (g)**, **Hopkins, S.E. (s)**, Luick, B.R., Stanhope, K.L., Havel, P.J., and **Boyer, B.B. (f)** (2014). A stable isotope biomarker of marine food intake captures associations between n-3 fatty acid intake and chronic disease risk in a Yup'ik study population, and detects new associations with blood pressure and adiponectin. *The Journal of Nutrition* 144:706-713 [IAB 3841].

Nash, S.H. (g), **Kristal, A.R. (r)**, **Bersamin, A. (f)**, Choy, K., **Hopkins, S.E. (s)**, Stanhope, K.L., Havel, P.J., **Boyer, B.B. (f)**, and **O'Brien, D.M. (f)** (2014). Isotopic estimates of sugar intake are related to chronic disease risk factors but not obesity in an Alaska native (Yup'ik) study population. *European Journal of Clinical Nutrition* 68:91-96 [IAB 3842].

Nash, S.H. (g), **Kristal, A.R. (r)**, **Hopkins, S.E. (s)**, **Boyer, B.B. (f)**, and **O'Brien, D.M. (f)** (2014). Stable isotope models of sugar intake using hair, red blood cells, and plasma, but not fasting plasma glucose, predict sugar intake in a Yup'ik study population. *The Journal of Nutrition* 144:75-80 [IAB 3843].

Aslibekyan, S., Wiener, H.W., Havel, P.J., Stanhope, K.L., **O'Brien, D.M. (f)**, **Hopkins, S.E. (s)**, Absher, D.M., Tiwari, H.K., and **Boyer, B.B. (f)** (2014). DNA methylation patterns are associated with n-3 fatty acid intake in Yup'ik people. *The Journal of Nutrition* 144:425-430 [IAB 3844].

Klimentidis, Y.C., **Lemas, D.J. (g)**, Wiener, H.H., **O'Brien, D.M. (f)**, Havel, P.J., Stanhope, K.L., **Hopkins, S.E. (s)**, Tiwari, H.K., and **Boyer, B.B. (f)** (2014). CDKAL1 and HHEX are associated with type 2 diabetes-related traits among Yup'ik people. *Journal of Diabetes* 6:251-259 [IAB 3845].

Ryman, T.K., Austin, M.A., **Hopkins, S. (s)**, **Philip, J. (s)**, **O'Brien, D. (f)**, Thummel, K., and **Boyer, B.B. (f)** (2014). Using exploratory factor analysis of FFQ data to identify dietary patterns among Yup'ik people. *Public Health Nutrition* 17:510-518 [IAB 3846].

Savory, G.A. (g), **Hunter, C.M. (f)**, Wooller, M.J., and **O'Brien, D.M. (f)** (2014). Anthropogenic food

use and diet overlap between red foxes (*Vulpes vulpes*) and arctic foxes (*Vulpes lagopus*) in Prudhoe Bay, Alaska. *Can. J. Zool.* 657-663 [IAB 3847].

Larsen, T., Ventura, M., Andersen, N., **O'Brien, D.M. (f)**, Piatkowski, U., and McCarthy, M.D. (2013). Tracing Carbon Sources through Aquatic and Terrestrial Food Webs Using Amino Acid Stable Isotope Fingerprinting. *PLoS ONE* 8:e73441EP - [IAB 3848].

Aslibekyan, S., Vaughan, L.K., Wiener, H.W., **Lemas, D.J. (g)**, Klimentidis, Y.C., Havel, P.J., Stanhope, K.L., **O'Brien, D.M. (f)**, **Hopkins, S.E. (s)**, **Boyer, B.B. (f)**, and Tiwari, H.K. (2013). Evidence for novel genetic loci associated with metabolic traits in Yup'ik people. *American Journal of Human Biology : the Official Journal of the Human Biology Council* 25:673-680 [IAB 3849].

Lemas, D.J. (g), Klimentidis, Y.C., Wiener, H.H., **O'Brien, D.M. (f)**, **Hopkins, S.E. (s)**, Allison, D.B., Fernandez, J.R., Tiwari, H.K., and **Boyer, B.B. (f)** (2013). Obesity polymorphisms identified in genome-wide association studies interact with n-3 polyunsaturated fatty acid intake and modify the genetic association with adiposity phenotypes in Yup'ik people. *Genes & Nutrition* 8:495-505 [IAB 3850].

Mortensen, B. (g), **Wagner, D. (f)**, and **Doak, P. (f)** (2013). Parental resource and offspring liability: the influence of extrafloral nectar on oviposition by a leaf-mining moth. *Oecologia* 172:767-777 [IAB 3851].

Mortensen, B. (g), **Wagner, D. (f)**, and **Doak, P. (f)** (2011). Defensive effects of extrafloral nectaries in quaking aspen differ with scale. *Oecologia* 165:983-993 [IAB 3852].

Boden-Albala, B., Roberts, E.T., **Hopkins, S. (s)**, Allen, J., and **Boyer, B.B. (f)** (2013). Predictors of risk and protection for hypertension in Yup'ik people from Southwest Alaska. *Ethnicity & Disease* 23:484-491 [IAB 3853].

Feierabend, D. (g) and **Kielland, K. (f)** (2014). Movements, activity patterns, and habitat use of snowshoe hares (*Lepus americanus*) in interior Alaska. *Journal of Mammalogy* 95:525-533 [IAB 3854].

Hoelt, T.J. (g), **Burke, W. (r)**, **Hopkins, S.E. (s)**, Charles, W., Trinidad, S.B., James, R.D., and **Boyer, B.B. (f)** (2014). Building partnerships in community-based participatory research: budgetary and other cost considerations. *Health Promotion Practice* 15:263-270 [IAB 3855].

Ware, D., Lewis, J., **Hopkins, S. (s)**, **Boyer, B. (f)**, Noonan, C., and Ward, T. (2013). Sources and perceptions of indoor and ambient air pollution in rural Alaska. *Journal of Community Health* 38:773-780 [IAB 3856].

Bray, M. (g), Pomeroy, J., **Knowler, W.C. (r)**, **Bersamin, A. (f)**, **Hopkins, S. (s)**, Brage, S., Stanhope, K., Havel, P.J., and **Boyer, B.B. (f)** (2013). Simple anthropometrics are more correlated with health variables than are estimates of body composition in Yup'ik people. *Obesity (Silver Spring, Md.)* 21:E435-8 [IAB 3857].

Boyer, B.B. (f), Dillard, D., Woodahl, E.L., Whitener, R., Thummel, K.E., and **Burke, W. (r)** (2011). Ethical issues in developing pharmacogenetic research partnerships with American Indigenous communities. *Clinical Pharmacology and Therapeutics* 89:343-345 [IAB 3858].

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

Quote of the Day

It is the soothing thing about history that it does repeat itself.

[Gertrude Stein](#)