



LIFE SCIENCE NEWS

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Announcements

NSF funding: Non-medical, non-clinical Ebola virus research: Complete guidance on submitting a RAPID proposal may be found [here](#).

NASA Arctic-Boreal Vulnerability Experiment (ABoVE) pre-solicitation information. The ABoVE Concise Experiment (ACEP) plan refines the science questions and rationale for ABoVE, poses a next tier of science questions, and lays out a top-level study design. The study design defines the ABoVE study domain and research areas, identifies the types of studies and observations needed to address the ABoVE science questions, and provides guidance for study implementation.

Gold lot (\$817) parking proposed for AHRB East lot. UAF Parking Services is considering several budget-reduction options, of which "golding" the AHRB lot is one - see page 9 of their presentation ([here](#)) and complete their survey ([here](#)).

NSF Dear Colleague Letter: Support for including science educators in polar research.

IAB post-award personnel change. Effective immediately, PIs previously assigned to Kiara Svensson should now go to [Adam Chisom](#) or [Heather Foltz](#). Questions or concerns should be addressed to

Heather or [Phill Harrington](#).

The 2015 Global Change Student Research Grant Competition guidelines are now available at www.cgc.uaf.edu, or in hardcopy from the Center for Global Change (306 IARC), the Graduate School (202 Eielson) or URSA (301 Bunnell). Application deadline is February 6, 2015. Graduate students may submit proposals for up to \$10,000 for one year, while undergraduates are eligible for up to \$7,500. Students who are thinking about submitting a proposal are encouraged to attend an informational workshop on November 10 at 5:15 p.m. in the Globe Room of the Elvey Building (GI). See www.cgc.uaf.edu for more information.

Events and Seminars

23 October 2014

• **Thesis Defense: Effects of permafrost thaw on nitrogen availability and plant-soil interaction in a boreal Alaska lowland**

Rebecca Finger

9:00AM

Elvey Bldg, Elvey Auditorium rm 214

• **Webinar: Extreme Weather Events on the Last Frontier: Meteorological Analyses and Societal Impacts**

LIFE SCIENCES SEMINAR

Friday, 24 October 2014

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

From Cafeterias to Communities: A Systems Approach to Childhood Obesity Prevention

Andrea Bersamin, Assistant Professor, Center for Alaska Native Health Research, Institute of Arctic Biology, University of Alaska Fairbanks

Lauren Zuromski, Rick Thoman, and John Walsh

Zuromski, Hollings Scholar; Thoman, National Weather Service; Walsh, ACCAP
10:00AM - 11:00AM

24 October 2014

**• Seminar: October 2014 National Weather Service Alaska Climate Forecast Briefing
Rick Thoman**

Environmental and Scientific Services Division,
National Weather Service Alaska Region
12:00PM - 1:00PM
Akasofu Bldg, rm 351 (IARC)

Travel

• **Bailey, Lauren**, 10/21/14 - 10/24/14, Juneau, AK, Present at the American Fisheries Society Conference

• **Barnes, Brian**, 10/23/14 - 10/24/14, Anchorage, INBRE Steering Committee Mtg.

• **Boyer, Bert**, 10/23/14 - 10/24/14, Girdwood, AK, INBRE Steering Committee Mtg/Kickoff

• **Brown, Casey**, 9/1/14 - 10/31/14, Delta Junction, AK, Field Work

• **Chen, Jack**, 10/23/14 - 10/24/14, Anchorage, AK, Attend INBRE Retreat

• **Coker, Trey**, 10/20/14 - 10/24/14, Attend UNM NIH SBIR Conference

• **Dunlap, Kriya**, 10/23/14 - 10/24/14, Anchorage, AK, Attend INBRE Retreat

• **Edgar, Colin**, 9/1/14 - 6/15/15, Toolik Field Station, Field work

• **Falke, Jeff**, 10/20/14 - 10/24/14, Juneau, AK, Attend AFS-AK Chapter meeting

• **Fraleay, Kevin**, 10/20/14 - 10/24/14, Juneau, AK, Present at the American Fisheries Society Meeting

• **Harris, Michael**, 10/23/14 - 10/24/14, Girdwood, AK, Attend the INBRE Retreat

• **Huettmann, Falk**, 8/12/14 - 12/10/14, Florida, Semester at Sea

• **Huntsman, Brock**, 10/20/14 - 10/24/14, Juneau, AK, Present at the AK Chapter of the American Fisheries Society Meeting

• **Laske, Sarah**, 10/21/14 - 10/24/14, Juneau, AK, Attend American Fisheries Society meeting

• **Laughlin, Bernard**, 10/19/14 - 10/22/14, Philadelphia, PA, Attend Hypothermia and Resuscitation Training Conference

• **Leigh, Mary Beth**, 10/23/14 - 10/24/14, Anchorage, AK, Attend INBRE Retreat

• **Lindberg, Mark**, 10/24/14 - 10/31/14, Pittsburgh, PA, Attend Wildlife Society Annual Conference

• **Martin, Allison**, 10/21/14 - 10/24/14, Juneau, AK, Present at the American Fisheries Society Meeting

• **Mi, Yanjiao**, 10/13/14 - 10/24/14, Chicago, IL, Work at Argonne National Laboratory on the Peat-DOS-TEM Model

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

• **Rine, Kristin**, 10/22/14 - 10/25/14, Juneau, AK, Present at the AFS-AK Chapter Meeting

• **Scerbak, Courtney**, 10/23/14 - 10/24/14, Anchorage, AK, Attend INBRE Retreat

• **Schoen, Erik**, 10/22/14 - 10/24/14, Juneau, AK, Attend AFS-AK Chapter Meeting

• **Sellmer, Kristen**, 10/19/14 - 10/24/14, Juneau, AK, Attend American Fisheries Society Meeting

• **Shoen Group**, 3/16/14 - 12/31/14, Chena and Tanana Rivers in North Pole and Fairbanks areas, Field work for Chinook predation project

• **Sparks, Morgan**, 10/21/14 - 10/24/14, Juneau, AK, Attend American Fisheries Society Meeting

• **Wipfli, Mark**, 10/21/14 - 10/26/14, Juneau, AK, Present at the Alaska Chapter, AFS Meeting

• **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

10/17/14: KUAC-FM

[After Two Years, Biologist is Still Trying to Count Alaska's Migratory Shorebirds](#)

10/17/14: Fairbanks Daily News-Miner

[60-inch club](#)

Mark Wipfli

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

Niedzialkowska, M., **Hundertmark, K.J. (f)**, Jedrzejewska, B., Niedzialkowski, K., Sidorovich, V.E., Gorny, M., Veeroja, R., Solberg, E.J., Laaksonen, S., Sand, H., Solovyev, V.A., Shkvyrina, M., Tiainen, J., Okhlopov, I.M., Juskaitis, R., Done, G., Borodulin, V.A., Tulandin, E.A., and Jedrzejewski, W. (2014). Spatial structure in European moose (*Alces alces*): genetic data reveal a complex population history. *Journal of Biogeography* 41:2173-2184 [IAB 3887].

Pantoja, Alberto, **Sikes, Derek S. (r)**, Hagerty, Aaron M., Emmert, Susan Y., and Rondon, Silvai (2013). Ground beetle (Coleoptera: Carabidae) assemblages in the Conservation Reserve Program crop rotation systems in interior Alaska. *Journal of the Entomological Society of British Columbia* 110: [IAB 3888].

Ridling, S.K., Scudder, G.G.E., **Sikes, D.S. (r)**, and LaBounty, K. (2014). Sitka Bioblitz Discovery Produces First Notonecta (Hemiptera: Notonectidae) Recorded in Alaska. *Proceedings of the Entomological Society of Washington* 116:195-196 [IAB 3889].

Sikes, D.S. (f) and Venables, C. (2013). Molecular phylogeny of the burying beetles (Coleoptera:

Silphidae: Nicrophorinae). *Molecular Phylogenetics and Evolution* 69:552-565 [IAB 3890].

Yoo, I.-S., **Sikes, D. (r)**, and Ahn, K.-J. (2013). A redescription of *Lyrosoma pallidum* (Eschscholtz) and distributional range extension of *Lyrosoma Mannerheim* (Coleoptera, Agyrtidae). *ZooKeys* 23-32 [IAB 3891].

Sikes, D.S. (r), Draney, M.L., and **Fleshman, B. (g)** (2013). Unexpectedly high among-habitat spider (Araneae) faunal diversity from the Arctic Long-Term Experimental Research (LTER) field station at Toolik Lake, Alaska, United States of America. *The Canadian Entomologist* 145:219-226 [IAB 3892].

Sikes, Derek S. (r) and Stockbridge, Jill (2013). Description of *Caurinus tlagu*, new species, from Prince of Wales Island, Alaska (Mecoptera, Boreidae, Caurininae). *ZooKeys* 316:35-53 [IAB 3893].

Sikes, Derek S. (r) and Mousseau, Tonya (2013). Description of *Nicrophorus efferens*, new species, 1 from Bougainville Island (Coleoptera, 2 Silphidae, Nicrophorinae). *ZooKeys* 311:83-93 [IAB 3894].

Shelley, Rowland M. and **Sikes, Derek S. (r)** (2012). Centipedes and Millipedes (Arthropoda: Diplopoda, Chilopoda) from Saba Island, Lesser Antilles, and a Consolidation of Major References on the Myriapod Fauna of "Lesser" Caribbean Islands. *Insecta Mundi: A Journal of World Insect Systematics* 0221:1-9 [IAB 3895].

Slowik, Jozef and **Sikes, Derek S. (r)** (2011). Spiders (Arachnida: Araneae) of Saba Island, Lesser Antilles: Unusually high species richness indicates the Caribbean Biodiversity Hotspot is woefully undersampled. *Insecta Mundi* 0177: [IAB 3896].

Mousseau, T. and **Sikes, D.S. (r)** (2011). Almost but not quite a subspecies: a case of genetic but not morphological diagnosability in *Nicrophorus* (Coleoptera: Silphidae). *Biological Journal of the Linnean Society* 102:311-333 [IAB 3897].

Smith, D.R., Goulet, H., and **Sikes, D.S. (r)** (2010). A New *Pseudodineura* Konow (Hymenoptera: Tenthredinidae) from Kasatochi Island, Alaska. *Proceedings of the Entomological Society of Washington* 112:439-443 [IAB 3898].

Sikes, D.S. (r) and Slowik, J. (2010). Terrestrial Arthropods of Pre- and Post-eruption Kasatochi Island, Alaska, 2008-2009: a Shift from a Plant-Based to a Necromass-Based Food Web. *Arctic, Antarctic, and Alpine Research* 42:297-305 [IAB

3899].

Sikes, D.S. (r), Vamosi, S.M., Trumbo, S.T., Ricketts, M., and Venables, C. (2008). Molecular systematics and biogeography of *Nicrophorus* in part--the investigator species group (Coleoptera: Silphidae)

using mixture model MCMC. *Molecular Phylogenetics and Evolution* 48:646-666 [IAB 3900].
Zhang, A.B., **Sikes, D.S. (r)**, Muster, C., and Li, S.Q. (2008). Inferring species membership using DNA sequences with back-propagation neural networks. *Systematic Biology* 57:202-215 [IAB 3901].

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

Quote of the Day

There are two ways of spreading light: to be the candle or the mirror that reflects it.

[Edith Wharton](#)