Weekly April 18, 2016

Monday, April 18
12:00 -1:00 pm
401 Akasofu Bldg (IARC)
Environmental Chemistry PhD defense
"Synthesis and characterization of polymer-supported cyclodextrin nanoscaffolds for use in future environmental studies"
James McKee, Environmental Chemistry Ph.D.

4:30 -5:30 pm
Murie Auditorium, 104 Murie Bldg
Biomedical and One Health Seminar Series
"Blast GMRA Blitz"
Andrew Cyr, Stephanie Kennedy and Sheri Coker.

7:00 pm
Murie Auditorium, 104 Murie Bldg
The Professor’s Choice Lecture Series
David Newman, UAF Prof. of Physics and recipient of the 2015 Usibelli Award for Distinguished Teaching

Tuesday, April 19

Wednesday, April 20
10:00 – 11:00 am
401 Akasofu Bldg (IARC)
PhD Defense
"Socio-ecological drivers of resource selection and habitat use by moose in Interior Alaska"
Casey Brown, PhD Candidate

1:00 -2:00 pm
Vera Alexander Learning Center, 201 O'Neil Bldg
SFOS Fairbanks Fisheries seminar
"Recent advances in Arctic fish ecology: from lakes to lagoons"
Tevor Haynes, PhD

3:30 – 4:30 pm
Vera Alexander Learning Center, 201 O'Neil Bldg
Insitute of Marine Science Seminar
“Input of trace metals from the Chukchi Shelf to the Canada Basin”
Ana Aguilar-Islas, UAF School of Fisheries and Ocean Sciences.

3:30 – 4:30 pm
Murie Life Science Bldg, Murie Auditorium
IAB/BW Faculty Candidate Seminar
Ecological questions, physiological answers: energy acquisition, storage, and use in vertebrates
John Whiteman, Post-doctoral Research Associate and Adjunct Professor in Zoology and Physiology. University of Wyoming, University of New Mexico, and Institute for Conservation Research, San Diego Zoo Global.
Abstract:
Integrative physiology draws upon genetic and biochemical information to understand organismal performance in varying environmental conditions; in turn, this performance influences the population dynamics that can determine a species’ fate. I will describe ongoing investigations focused on nutrient acquisition, storage, and use by a variety of vertebrates. Polar bears hunt for seals almost exclusively from the sea ice, and their physiological and nutritional state during summer ice melt has been poorly understood. New studies reveal that while on shore in northern Alaska, bears maintain nutrient stores by scavenging whale carcasses deposited after human harvest; in contrast, bears on the sea ice become food-deprived as ice retreats from the productive continental shelf. These trends indicate that continued ice loss will drive further decreases in body condition and ultimately, abundance. Studies also suggest that fasting bears may flexibly route carbon and nitrogen between endogenous tissue depots, refining the fasting model for this species. Annual cycles are also poorly understood for sloth bears, sun bears, and Asiatic black bears in southeastern Asia; recently-initiated studies in this region will utilize some of the world’s largest captive populations of these vulnerable species. Finally, nutrient storage and use pose unique challenges to wood frogs, which rely on glucose as an antifreeze as well as an oxidative substrate. Research in the upper Midwest will investigate potential glucose loss as a result of thinning snowpack and increased temperature variability in the subnivean environment.

About the Speaker:
John Whiteman is a physiological ecologist with a focus on vertebrate conservation. He is an adjunct professor in Zoology and Physiology at the University of Wyoming (UW), and a post-doctoral researcher at UW, University of New Mexico, and the Institute for Conservation Research (part of San Diego Zoo Global). He earned his M.Sc. (Zoology and Physiology) and Ph.D. (Ecology) from UW. His current work spans tropical to polar habitats, and scales of biological organization from molecules to ecosystems, while investigating how animals cope with seasonal environmental variation.

5:30–6:30 pm
Schlaible Auditorium
Research Showcase
How to Think like an Artist
Mareca Guthrie, UA Museum of the North

6:00–7:00 pm
REI Fairbanks, 19 College Rd
Find Your Park Lecture
America’s National Parks turn 100 years old in 2016! Come to REI and discover what makes Gates of the Arctic National Park and Preserve special. • The presentation will cover trip planning basics to Gates of the Arctic and why you should visit in 2016. • Park staff will talk about backcountry options and recreational opportunities that exist in the park. • Handouts and maps will be available.

Thursday, April 21
1:00–2:00 pm
531 Duckerling Bldg
"Water security in the rural North: responding to change, engineering perspectives, and community focused solutions"
Henry Penn, Engineering Ph.D. candidate.

3:00–4:00 pm
Murie Auditorium, 104 Murie Building
"The evolutionary consequences of interspecies hybridization: insights from brown and polar bear genomes"
Beth Shapiro, University of California Santa Cruz.

6:00 pm
UA Museum of the North, Espe Auditorium
"Wonders of the Wandering Arctic Lamprey"
Andres Lopez.
The University of Alaska Museum of the North’s Museum Discovery Series features a different curator each month unveiling new discoveries based on research in the museum’s collections. The presentations will be held in the museum auditorium on Thursdays at 6 p.m. and are free and open to the public.

**Friday, April 22**
9:00 am -5:00 pm
UA Museum of the North
Second Annual Environmental Chemistry Symposium

9:00 -10:00 am
Vera Alexander Learning Center, 201 O'Neill Bldg
Fisheries PhD defense
"Fisheries management and fisheries livelihoods in Iceland"
Catherine Chambers, Fisheries Ph.D. candidate

3:30 – 5:00 pm
2 14 O’Neill Building (by VCON from Juneau)
Juneau Fisheries Seminar
"Estimating the population density of wolves and marten in Southeast Alaska"
Jason Waite

**Saturday, April 23**
12:00 – 4:00 pm
UA Museum of the North
Family Day – Expeditions
Family Days allow the whole family to connect with museum collections and research. Discover Alaska science, culture, and art, create crafts, try out experiments, meet the experts, and explore galleries. Today: Experience the fun of fieldwork! See historic Arctic expedition gear, learn about recent archaeological finds, and discover Alaskan insect, geology, mammal, and plant field research. There is no admission fee for children 14 and under thanks to a grant from Saltchuk. Parking is free on weekends.

6:00 pm
The Blue Loon, 2999 George Parks Hwy
Archaeology & the Hunt
Bill Hanlon shares his amazing story of finding the preserved remains of an ancient hunter emerging from a glacier and the subsequent scientific studies. This event is presented by Backcountry Hunters and Anglers. $10 at the door, children 16 and under are free.

**COMING UP**
**Monday, April 25**
1:00 -2:00 pm
Vera Alexander Learning Center - 201 O'Neill Bldg
Oceanography PhD defense
"Controls on zooplankton assemblages in the northeastern Chukchi Sea"
Jennifer M. Questel, Ph.D. Oceanography candidate.

4:30 -5:30 pm
Murie Auditorium, 104 Murie Bldg
Biomedical and One Health Seminar Series
"Parkinson's and the glowing worm"
David DePomerai, The University of Nottingham
7:00 pm
Murie Auditorium, 104 Murie Bldg
The Professor’s Choice Lecture Series
Rich Seifert will talk about his long-term relationship with Norway, his Fulbright year there, the Nobel Peace Prize, and his witness to the Oslo events of July 22, 2011.

ABSTRACTS/PROFESSIONAL DEVELOPMENT

Call for Abstracts and Workshops
Aleutian Life Forum 2016: Building Resilience in the Face of Change
August 16-20, 2016
Dutch Harbor, Alaska

Deadline for abstracts and workshops: April 29, 2016

The Aleutian Life Forum will convene national, state, and regional scientists, industry stakeholders, community and tribal leaders, and local knowledge holders, to promote resilient coastal communities. Conservation issues will be brought forward for discussion and action through information-sharing sessions and community workshops. Join us to explore sustainable fisheries, coastal hazards, community monitoring, and other issues.

Abstracts for oral and poster presentations, and workshop suggestions, can be submitted now, at https://seagrant.uaf.edu/map/workshops/2016/aleutian-life-forum/

For more information contact Nikita Robinson, info@aleutianlifeforum.com

Alaska Rural Energy Conference
April 26-28, 2016
Westmark Fairbanks Hotel & Conference Center
For more information, please visit http://www.akruralenergy.org/

INTERNSHIPS/FELLOWSHIPS/ EMPLOYMENT

PhD Scholarship in Tourism Management

The University of Stavanger invites applications for a PhD scholarship in Tourism Management at in the Faculty of Social Sciences, Norwegian School of Hotel Management.

This is a trainee position that will mainly give promising researchers an opportunity for professional development leading to a doctoral degree.

The PhD scholar will be appointed for three years. The position is available from August 2016. The appointee can accede when she/he is admitted to the PhD program in Social Sciences with a specialization in Leadership with an agreement to complete the doctorate within the duration of the scholarship.

The PhD scholar will be associated with the research programme in Tourism Management at Norwegian School of Hotel Management within which research on tourist- or visitor attractions are important areas, for example with focus on visitor experiences and visitor experience design. The composition of PhD. project could be adjusted to the competence and the
interests of the actual candidate, however, the main focus should be on tourist/visitor attractions, primarily from a management perspective. This can be linked to topics, such as, attraction management, experience design, visitor experiences, perceptions of attractions and attraction development. The associations between attraction and destination characteristics could be of relevance.

The candidate will be a part of a research network within tourism management and would thereby benefit from an existing pool of network contacts.

Applicants must have a strong academic background with a five-year master degree within a relevant social science discipline such as psychology, anthropology or sociology, preferably recently, or possess corresponding qualifications, which could provide a basis for successfully completing a doctorate. Both the grade for the master’s thesis and the weighted average grade of the master’s degree must individually be equivalent to or better than a B grade.

The evaluation of candidates will be based on the applicant’s potential for research in the field, as well as individual prerequisites for research education.

The appointee must be able to work independently and as a member of a team, be creative and innovative. The PhD scholar must have a good command of both oral and written English. Knowledge of Scandinavian languages will be advantageous.

A fellowship position is important for obtaining a scientific position at a University.

The doctorate will mainly be carried out at the University of Stavanger, apart from a period of study abroad at a recognized and relevant centre of research, subject to agreement between the candidate and the university during the course of the scholarship.

The PhD scholar is salaried according to the State Salary Code, l.pl 17.515, code 1017, LR 20, ltr 50 of NOK 430.500 per annum.

The position provides for automatic membership in the Norwegian Public Service Pension Fund, which guarantees favourable retirement benefits. Members may also apply for home investment loans at favourable interest rates.

Project descriptions and further information about the positions can be obtained from Professor Øystein Jensen, email oystein.jensen@uis.no. Information about the appointment procedures can be obtained from Senior HR-consultant Kirsten Sikveland, Tel +47 51 83 37 01, email kirsten.sikveland@uis.no

Certificates/diplomas, references, list of publications, up to 15 publications and other documentation that the applicant considers relevant uploaded as attachments to the application. Upload all attachments as separate files. If attachments exceed 15 MB together, they must be zipped before uploading.

The Norwegian School of Hotel Management is part of the Faculty of Social Sciences. The department offers study programs and carries out research within Hotel and Tourism Management. The academic community at the department is unique and represents the leading research and expertise center within its academic fields throughout the Nordic countries. The department has an extensive collaboration with the hotel, restaurant and tourism industry. There are currently 30 employees and 470 students at the institute.

The University of Stavanger (UiS) has about 10,700 students and 1,560 employees. The University is located in the third largest urban region in Norway, with a dynamic labor market and exciting cultural and leisure activities. We are the only Norwegian member of the European Consortium of Innovative Universities. The university has high ambitions. We will be a
Adapting One 4/18/16 Please Review female Salary years According Candidates qPCR, environmental Applicants berlin.de/job salary mobility student of carried molecular iconic IMPRESS This Sven Würtz is looking for a hard-working, enthusiastic 

**Early-stage researcher**

**Trait-related optimization of hatchery technology to improve fitness and stocking efficiency in sturgeon**

This is position 7 within IMPRESS, available **from now on until 31.08.2018**

**IMPRESS** aims at developing new technologies for improved production, management and conservation of threatened iconic diadromous fish species. IMPRESS is set up as intersectoral network of 15 ESR hosted by 9 different hosts covering molecular biology, physiology, and aquaculture technology, as well as human dimensions of biodiversity conservation. The project will focus on assessing and improving fitness of hatchery-reared early life stages in the wild. Challenge tests will be carried out to characterize ecophysiological adaptations to fluctuating environmental challenges and improve aquaculture technologies in conservation aquaculture. During the project the ESR will spend up to 6 months at the Norwegian University of Life Sciences (host Ian Meyer) assessing impaired cognitive ability and behaviour in hatchery of sturgeon. Finally the student will carry out transcriptome analysis of selected samples at the ZF Screens (Ron Dirks) in Leiden, Netherlands. This mobility will enhance multidisciplinary training of the student, and give him/her important experience of both academic and non-academic sectors (training school programme).

More details on the topic, the ITN network, the location, the team of supervisors and their groups, the expected mobility, salary and general eligibility criteria can be found in a long version of this job advertisement posted at **www.igb-berlin.de/job-offers.html**.

Applicants should have a 2.1 degree or equivalent in a relevant life science (biology, fisheries sciences, aquaculture and environmental sciences). Excellent communication skills in English are required. Experience with molecular techniques (e.g. qPCR, transcriptome analysis) and analytical chemistry (mass spectrometry, chromatography) is highly preferred. Candidates with a background in aquaculture (particularly larval rearing) will be deemed highly competitive. According to EU regulations candidate students must not have resided for more than 12 months during the previous 3 years in the prospective host country, Germany.

Salary is paid according to the regulations of the programme. In keeping with the IGB’s policy regarding gender equity, female applicants are particularly encouraged. Among candidates of equal aptitude and qualifications, a person with disabilities will be given preference.

Review of applications meeting the required standards will start immediately and continue until a candidate is appointed. Please send your application and further inquiries to **Dr. Sven Würtz** (wuertz@igb-berlin.de).

**Leibniz-Institut für Gewässerökologie und Binnenfischerei**
**im Forschungsverbund Berlin e.V.,**
**Müggelseedamm 301**
**D-12587 Berlin**
4/18/16

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One-year Post Doc focused on Arctic Alaska Social-Ecological Integration: Northern Test Case of ACE Project - Alaska Adapting to Changing Environments
The Northern Test Case (NTC) of the Alaska Adapting to Changing Environments (ACE) project, an NSF EPSCoR study of University of Alaska, seeks a Post Doctoral Research Fellow for a one-year appointment to focus on integration and synthesis of project findings. ACE is a five-year project, now in year four, investigating i) Arctic landscape and land-use change, ii) changes in ecosystem services, and iii) the adaptive capacity of households and communities. The study involves 12 researchers, including hydrologists, ecologists, economists, anthropologists, policy analysts, modelers, and others. The regional focus is the North Slope of Alaska and the Inupiat community of Nuiqsut. For more information about ACE see: https://www.alaska.edu/epscor/

The post doctoral researcher will work with the Project PI and the team’s researchers to integrate project findings. The major effort will involve contributing to academic publications and engaging stakeholders at the Decision Theater North to discuss implications of study results. The post doc will be based at the Institute of Arctic Biology at the University of Alaska Fairbanks campus and employed for a one-year period. Start date is negotiable, but work should commence by June 2016.

The applicant should have excellent team-science collaboration skills and a PhD degree (already received, or having completed all requirements and waiting graduation) in a relevant discipline. Skills and/or knowledge in quantitative analysis, social-ecological dynamics, cross-cultural communication, GIS, and writing of academic publications are desired.

For more details on the position and how to apply see: www.uakjobs.com/applicants/Central?quickFind=88815

If you have questions please contact Gary Kofinas at gary.kofinas@alaska.edu

**GRANT OPPORTUNITIES/SCHOLARSHIPS/OTHER AWARDS**

**OTHER**

Please send suggestions, announcements, etc. to Mary van Muelken, mavanmuelken@alaska.edu