



Department of Biological Sciences Newsletter

"from biomolecules to the biosphere"

No. 3

January 22, 2016

Scholarships

Undergraduate Research Award competitions:



· **NSERC:** For instructions, eligibility, and application form, please check the NSERC website: http://www.nserc-crsng.gc.ca/Stu-dents-Etudiants/UG-PC/USRA-BRPC_eng.asp

Deadline to submit a complete application to Biosciences- 1st Feb 2016.



· **Alberta Innovates- Health Solutions** summer studentships offer students an opportunity to do research in the medical or health field in Alberta.

<http://www.aihealthsolutions.ca/funding/training-and-early-career-funding/undergraduate-high-school/summer-studentships/>

AIHS deadline: TBA



· **PURE:** UofC provides financial support to undergraduates to conduct research for 8, 12 or 16 weeks during summer months. <http://www.ucalgary.ca/provost/TLFC/awards/undergrad/#purpose>

PURE deadline: 5 Feb 2016



· **USRP:** UofC provides support to students to do research in the area of health & wellness. <http://www.ucalgary.ca/usrp/>

USRP deadline: 12 Feb 2016

Also, please check the BioSciences webpage for more research opportunities: http://bio.ucalgary.ca/undergraduate/current_students/academics/research_opportunities

Important Dates

Jan 28 - Department meeting - 13h00 - 15h00 - BI 211

Feb 4 - Faculty Council - 13h00 - 15h00 - BI 587

Feb 5 - Darwin Lecture - 16h00 - 17h00



Graduate Research Award competitions:



• **WCS Canada** 2016 W. Garfield Weston Graduate Fellowship Program

Application Deadline: 24 February 2016

<http://www.wcscanada.org/Fellowships.aspx>

Seminars



EEB 601 Seminar - Mondays 12h00 in BI 211

Jan 25 - **Analisa Lazaro-Cote** - The Effect of Municipal Wastewater Effluent on the Stress Response of Native Fishes in the Bow River



BCEM 601 Seminar - Mondays 16h00 in BI 211

Jan 25 - **Brooke Rackel** - TBA



Micro 601 Seminar - Wednesdays 12h00 in BI 211

Jan 27 - **Amy Noël** - Hydrocarbon biodegradation in Arctic marine sediment



EEB Seminar - Fridays 12h00 in BI 211

Jan 29 - **Caren Dymond** - TBA



ICB 601 Seminar - Fridays 15h00 in BI 211

Jan 29 - **Kara Vanden Broek** - Proteasomal Regulation of Proliferation Fate Promoting Proteins in *C. elegans* Germline



EEB 601 Seminar - Mondays 12h00 in BI 211

Feb 1 - **Jessica Hopson** - TBA



BCEM 601 Seminar - Mondays 16h00 in BI 211

Feb 1 - **Keenan Fanning** - TBA



Micro 601 Seminar - Wednesdays 12h00 in BI 211
Feb 3 - **Gloria Okpala** - TBA



ICB 601 Seminar - Fridays 15h00 in BI 211
Feb 5 - **Anupama Ariyaratne** - Development of a more natural infection model using *Heligmosomoides polygyrus* round worm infection



EEB 601 Seminar - Mondays 12h00 in BI 211
Feb 8 - **Hannah Kienzle** - TBA



BCEM 601 Seminar - Mondays 16h00 in BI 211
Feb 8 - **Sean Booth** - Energy and Aerotaxis Receptors in *Pseudomonas*: Phylogenetics and Functional Characterization in *P. pseudoalcaligenes* KF707

Graduate Student Affairs



Research Proposals

The MSc Research Proposal for **Ilona Clocher** entitled “Selection on allocation gradients within inflorescences”, will be held on February 10, 2016 at 1:00 p.m. in Biological Sciences room 312.

Ph.D. Candidacy Oral Examination - Candidacy Exams are Closed Exams.

Weiam Daear (Supervisor: E. Prenner) will be holding her Candidacy Examination, in the area of “Biophysical Chemistry”, on January 27, 2015 at 2:30 p.m. in Biological Sciences room 389. (Neutral Chair: M. Fraser).

Annie An (Supervisor: G. Voordouw), will be holding her Candidacy Examination, in the area of “Environmental Microbiology”, on February 2, 2016 at 9:00 a.m. in Biological Sciences room 312. (Neutral Chair: M. Hynes).

Maxwell Chilije (Supervisor: V. Zaremborg), will be holding his Candidacy Examination, in the area of “Biochemistry” on February 16, 2016 at 1:00 p.m. in Biological Sciences room 312. (Neutral Chair: Dr. E. Lohmeier-Vogel).

Jeremy Morris (Supervisor: P. Facchini), will be holding his Candidacy Examination, in the area of “Biochemistry”, on March 10, 2016 at 10:00 a.m. in Biological Sciences room 312. (Neutral Chair: S. Noskov).

Tegan Barry (Supervisor: S. Rogers & H. Jamniczky), will be holding her Candidacy Examination, in the area of “Evolutionary Biology”, on March 24, 2016 at 10:00 a.m. in Biological Sciences room 389. (Neutral Chair: H. Habibi).

Thesis Oral Examinations - Exams are “Open” unless otherwise noted.

Chi Zhang (Supervisor: D. Muench), will be holding his Ph.D. Thesis Oral Examination, in the area of “Cell Biology”, on February 4, 2016 at 10:00 a.m. in Biological Sciences room 389. (Neutral Chair: E. Yeung).

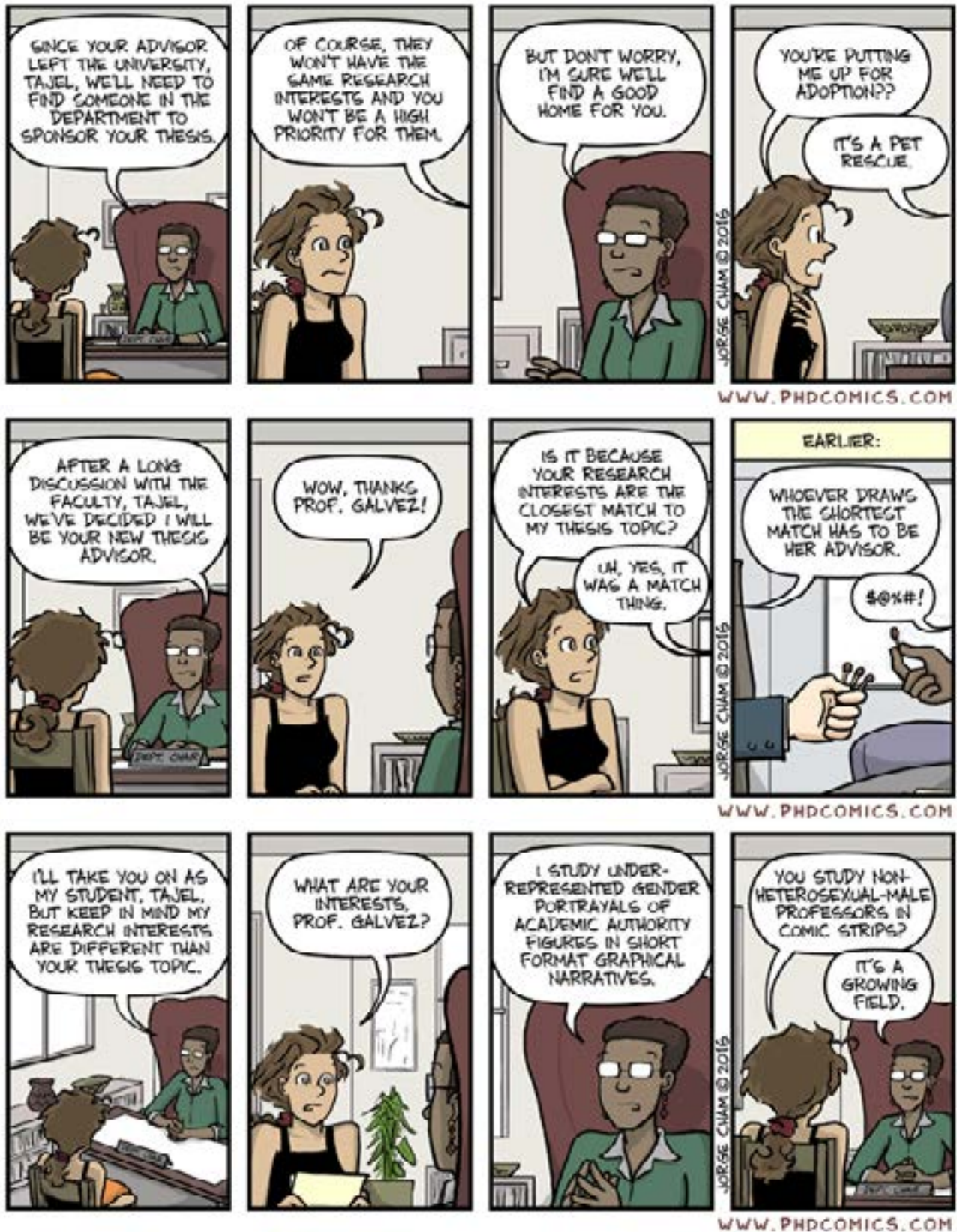
Hazel Cameron-Inglis (Supervisor: L. Harder), will be holding her M.Sc. Thesis Oral Examination, in the area of “Evolutionary Biology”, on March 22, 2016 at 10:00 a.m. in Biological Sciences room 389. (Neutral Chair: M. Hynes).

Ella Bowles (Supervisor: S. Rogers) will be holding her Ph.D. Thesis Oral Examination in the area of “Evolutionary Biology”, on April 15th at TBD in Biological Sciences room TBD. (Neutral Chair: G. Voordouw).

Ezgi Ogutcen (Supervisor: J. Vamosi), will be holding her Ph.D. Thesis Oral Examination, in the area of “Evolutionary Biology”, on April 22, 2016 at 1:00 p.m. in Biological Sciences room 312. (Neutral Chair: J. Theodor).

Brandon Allen (Supervisor: S. Rogers), will be holding his M.Sc. Thesis Oral Examination, in the area of “Evolutionary Biology”, on April 14, 2016 at 2:00 p.m. in Biological Sciences room 389. (Neutral Chair: A. Russell).

Please note: *Pre-defense seminars are a degree requirement for a M.Sc. and Ph.D. students in Biological Sciences. Typically the seminar will take place immediately preceding the Oral Defense Exam.*



"Piled Higher and Deeper" by Jorge Cham
www.phdcomics.com

Under Western Skies 2016
Water: Events, Trends, Analysis

September 27-30, 2016
Mount Royal University
Calgary, Alberta, CANADA
<http://skies.mtroyal.ca>

Submissions Deadline: Jan 31st/16

Under Western Skies 2016 is pleased to confirm the following:

- Bruno Latour
- Gaia Global Circus (Chloé Latour, Frédérique Aït-Touati, Olivier Vallet & Company)
- Niigaanwewidam James Sinclair (http://www.umanitoba.ca/centres/ccwoc/artists_affiliates/Sinclair.html)
- Maude Barlow (<http://canadians.org/maude>)
- Chris Jordan (<http://midwayfilm.com>)
- Kathleen Dean Moore w/ concert pianist, Rachele McCabe (<http://liberalarts.oregonstate.edu/users/kathleen-moore>)
- John Pomeroy (http://www.usask.ca/hydrology/people/Pomeroy_John.php)

Under Western Skies (UWS) is a biennial, interdisciplinary conference series on the environment. The fourth conference organizers invite prospective researchers, authors, artists, and presenters to consider submitting proposals for oral and poster presentations as well as workshops and panels.

The conference theme, Water: Events, Trends, Analysis, will be threaded through four inter- and transdisciplinary conference tracks:

1. Policy, programs, planning, and management: trends and emerging topics in this track include history of water, integrated water management, business risk, stakeholder engagement, governance, jurisdictions and law, instruments and tools, science and technology, informing decision makers, innovative interventions and practices, monitoring and assessment, education, urban planning and design, and lessons learned.
2. Safety, reliability, and sustainability: trends and emerging topics in this track include human rights to water, borders and transnational issues, resilience and adaptation to climate change, catastrophes and disasters, alpine and glacial change, tensions in sustainability, invasive species, conservation, human health and wellbeing impacts.
3. Environmental Humanities Issues and Interfaces: trends and emerging topics in this track include water representations in law and public policy; in history and environmental history; in world religions, global literature, film, and drama; in the cultures of science; and in collaborative projects involving the sciences and humanities.
4. Agricultural and Industrial Use: trends and emerging topics in this track include water commodification, rural and Indigenous communities, water technologies and treatment, impact of scale, transportation, oil and gas development, mining, fisheries and oceans, and hydropower.

The UWS Committee look forward to receiving contributions from all environmental fields of inquiry and endeavor, including but not limited to the humanities, natural and social sciences, public policy, business, and law. Non-academic proposals are also welcome.

Please submit your panel or individual proposal at <https://underwesternskies.submittable.com/submit>, by January 31st, 2016.

The UWS conference series is the 2015 recipient of the Environmental Community Organizer (ECO) Award conferred by the Environmental Studies Association of Canada (ESAC) (<http://esac.ca/eco-award/>).

CFD & BGSA Graduate Student Ski Trip 2016



February 26th-28th, 2016
Fernie Ski Resort



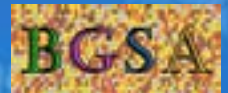
	PRICE
2 Lift Tickets	\$270
1 Lift Ticket	\$210
Bus and Room Only	\$160

Limited spaces available!
Tickets for sale until Friday Jan 22nd from
Shaun Moore (shmoore@ucalgary.ca)
/Ramya Singh (ramsingh@ucalgary.ca)
and at TGIF every Friday!

Includes 2 nights accommodation
+ round-trip bus travel!



Cheques made payable to "Council of Foothills DGA"



PIZZA Lunch Feb Workshop

"Importance of work-life balance in graduate school"

Work-life Balance

31st Annual Darwin Day Speaker
Dr. Erica Bree Rosenblum
University of California, Berkeley

Feb 5th, 2016
11:30-1pm
Room-211, Biological Sciences
RSVP- biogsa@ucalgary.ca

@biogsa BGSU-University of Calgary by BGSA

Leaf

News from the BGSA

Resume Workshop

It's always a good time to work on your resume, whether you have a while to go in your program and need to update or you are actively searching for a job. **January 28 at 10-11am in bi211** a special guest from career services will be giving a workshop on resume and CV building. Make sure to bring your resume or CV to get some hints!

Work-life balance pizza lunch seminar

Feel like you have no life in graduate school? To kick off our lunch workshop series for the year Dr. Erica Bree Rosenblum, the guest speaker for this year's Darwin night, will be giving a workshop on the importance of work-life balance in graduate school. Join us on **Feb 5, 11:30-1pm in bi211 to participate!**

Cross country ski with the BGSA

Interested in learning how to cross country ski? Learn the basics and get equipment fit Feb 29 at 4:30pm in a classroom session. Then on March 6 tag along for a leisurely trip on Shaganappi golf course.

No skis? No problem. You can rent a full set up for \$17.85 from the outdoor centre (eligible for a 10% student discount).

Watch out for more details closer to the date!



biogsa@ucalgary.ca



BGSA – University of Calgary



Biogsa

WILDERNESS, WILDLIFE AND HUMAN INTERACTION

MARCH 5, 2016

COCHRANE RANCH HOUSE, 9:00 TO 5:30

Time	Speakers
9:00	Francis First Charger (Blood Tribe Elder) - Opening Prayer and Cultural aspects of Wilderness and Buffalo in Today's Society - Dan Fox (Blood Tribe Buffalo Breeder)
9:45	John Donihee (Environmental Lawyer Former Wildlife Biologist) - How we do and could manage wildlife.
10:30	Brian Horejsi (Research Scientist) - Our Relationship with wilderness, "Looking back on the way forward"
11:15	Kathreen Ruchstuhl (Associate Professor, Ecology & Evolutionary Biology) - The Life of the Biggest Big Horn -
12:00	Paula Fairfield (Sound Designer, Game of Thrones) - Acoustical Ecology and its uses.
13:00	Erica Almasi-Klaus (Biologist, City of Calgary) - The right to a healthy environment.
13:45	Tomas Serfass (Professor Wildlife Science) - Conservation of aquatic ecosystems and misguided management strategies
14:30	Anna Korwin-Kowalewska (Researcher, Wildlife and Human interactions) - Cross-cultural and affective aspects of human attitudes toward large carnivores. Pilot Study.
15:15	Andrew Nikiforuk (Author) - The challenge of over-management-bark beetles, bees and industrial agriculture
16:00	Charlie Russell (Conservationist, Author) - The problem with Bears!
16:45	Robert Bateman (Artist) - The Artists View

Conference Theme is summarized best by the following quote:

"You cannot get through a single day without having an impact on the world around you. What you do makes a difference, and you have to decide what kind of difference you want to make."

Jane Goodall

18:00	Banquet
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Make a difference and come join us on March 5, 2016

Ticket information and reservations: www.cochranereseearchinstitute.org

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