



## Announcements



**Tri-Council financial monitoring visit** - In the week of January 30, 2012 Tri-Council (NSERC, CIHR, SSHRC) officials will be visiting the University of Calgary to conduct financial monitoring. The team will be reviewing the University's financial systems and the effectiveness of its policies, procedures and controls as they relate to Tri-Council matters. This review will apply to research transactions for the fiscal year 2010-2011. The Tri-Council team will contact, at random, selected Tri-Council project holders regarding questions relating to their grants/awards. - Tony



### **Alberta Innovates-Health solutions studentship award recipients:**

**Sean Booth** ( supvr: R. Turner)

**Stephanie Duquette** (supvr: A. Buret)



**Update on washing lab coats for Department of Biological Sciences** - Since the destruction of the room in ScA that had housed the washer & dryer for lab coats we have been searching for an alternative.

It turned out that one had been built into the basement of the EEEL building and we were finally able to get keys to access the room where a high efficiency washer and dryer were installed. The washer is working but the dryer is already out of order. So if you want to go and wash your lab coats and then hang them to dry somewhere back here in BioSci please do so.

The room is 063U. The key is in the Main Office – ask Christine for it as well as for the detergent. Use the room finder <http://www.ucalgary.ca/map/interactive> to discover where the room is. Only the two north side stairwells go down into the basement. Note also that the building is card locked and the basement too, outside of regular class time, and this is different from your BioSci access. Elevators are also card locked and you will find it quite difficult to get this access partly because of construction still going on in the basement and the fifth floor.

If you have any questions please contact Warren Fitch at 220-5268 or [fitch@ucalgary.ca](mailto:fitch@ucalgary.ca)

**Science A Lunchtime Information Session** - The next lunchtime information session regarding the ScA construction will be January 26, 2012 in SB 146. Any and all who may be affected are welcome to attend and ask questions of the Ellis Don rep, Campus Planning rep and/or the Project Management rep.

The **EEB New years potluck event** will be held on Jan 21 2012 at the Scandinavian Centre - see pg 8 for more details.

## Seminars



**EEB seminars** - Fridays at 11h00 in BI 211

January 13 - Jon Mee- Understanding the coexistence of sperm-dependent asexuals and their sexually reproducing host species

**BCEM 601 seminars** - Mondays at 16h00 in BI 211

January 16 - Elham Afshinmanesh - Lipid nanoparticles and molecular dynamics study of lipid mixtures

**CDP 601 seminars** - Wednesdays at 16h00 in MS 319

January 18 - Samuel Abassah-Oppong - TBA

**EEB 601 seminars** - Mondays at 12h00 in BI 211

Jan 16 - Corey Kremer - TBA

**Micro 601 seminars** - Wednesdays at 11h00 in BI 211

January 18 - Fauziah Rochman - Looking for the hydrocarbon eaters: Characterization of hydrocarbon--degrading microbial communities in several tailings basins

## Recent Publications



Higham, T.E. and **Russell, A.P.** 2012. Time-varying motor control of autotomized leopard gecko tails: multiple inputs and behavioural modulation. Vol 215 (3) 435-441



## Scholarships



### UNDERGRADUATE RESEARCH SCHOLARSHIPS

**NSERC Undergraduate Student Research Awards:** To be considered for this award, the student must work under the supervision of a faculty member who holds an active NSERC research grant.

Application (form 202), and eligibility details can be found at: [http://www.nserc-crsng.gc.ca/Stu-dents-Etudiants/UG-PC/USRA-BRPC\\_eng.asp](http://www.nserc-crsng.gc.ca/Stu-dents-Etudiants/UG-PC/USRA-BRPC_eng.asp)

The department reviews the applications, and nominates candidates to research services.

**Deadline: January 31 2012 to submit complete application to BioSciences (BI 186).**

**AIHS Summer Studentships:** For eligibility requirements, application procedures and other details, please visit: <http://www.aihealthsolutions.ca/grants/Sum-student.php>  
Deadline for applications to reach AHIS: **1 Feb 2012**  
Department courier deadline: Submit your complete AIHS application to BI 186 **by 31 Jan 2012 (12.00 pm)**.

**PURE -Programs for Undergraduate Research Experience:** Applications (including documents from the supervisor) are due on **10 Feb 2012**.

Visit: <http://www.ucalgary.ca/provost/TLFC/awards/undergrad>

**USRP-Undergraduate Student Research Program in Health and Wellness:** Application deadline- **15 Feb 2012** <http://www.kin.ucalgary.ca/usrp>

For more undergrad summer research opportunities, visit the department webpage <http://bio.ucalgary.ca/undergrad/scholar.html>

---

## GRADUATE SCHOLARSHIPS

**Alberta Innovates Technologies Futures (AITF) ENTRANCE:** Department deadline **January 15**. NOTE: this competition is for incoming students only - [http://www.grad.ucalgary.ca/awards/award\\_competitions/graduate\\_award\\_competition/aitf](http://www.grad.ucalgary.ca/awards/award_competitions/graduate_award_competition/aitf)

**Alberta Doctoral Awards for Chinese Students:** Department deadline **January 15** - [http://www.grad.ucalgary.ca/awards/award\\_competitions/adacs](http://www.grad.ucalgary.ca/awards/award_competitions/adacs)

**Graduate Award Competition: Department deadline 18 January.**

**Alberta Innovates Technologies Futures (AITF):** Department deadline **18 January**. NOTE: this competition is for continuing and incoming students - [http://www.grad.ucalgary.ca/awards/award\\_competitions/graduate\\_award\\_competition](http://www.grad.ucalgary.ca/awards/award_competitions/graduate_award_competition)

Please contact Sophia George ([georges@ucalgary.ca](mailto:georges@ucalgary.ca)) for details.

---

**Foreign Government Awards – France,** competition open - Application Deadline: March 15, 2012 This may be helpful to Supervisors with students considering a Cotutelle.

The Government of France, through the Office for Science and Technology at the Embassy of France in Canada offers scholarships to increase the mobility of Canadian students and post-doctoral researchers to France. These scholarships are based on reciprocal agreements between the governments of France and Canada. For more information, visit: [http://www.scholarships-bourses.gc.ca/scholarships-bourses/can/fga\\_france-bge\\_france.aspx?lang=eng&view=d](http://www.scholarships-bourses.gc.ca/scholarships-bourses/can/fga_france-bge_france.aspx?lang=eng&view=d)



Did you know....

### RESEARCH PROPOSALS

Research Proposals and research proposal meetings are required for all M.Sc. and Ph.D. students in Biological Sciences.

The purpose of the Proposal Meeting is for you, the student, to:

- \*\*Summarize the literature and history related to your research problem and provide a critical evaluation of any studies which were previously completed.
- \*\*Stress the means and methods by which you propose to pursue your research project.
- \*\*Indicate the contribution to existing scientific knowledge which you expect to make from your particular research project.

Research Proposals are due no later than the 12 months after the student's initial registration in their graduate program.

M.Sc. research proposals should not exceed 10 pages double-spaced (8 ½ x 11)

Ph.D. research proposals should not exceed 20 pages, double-spaced (8 ½ x 11)

Seven days prior to the proposal meeting, Karen (Bio 186), and the committee members require a paper copy of the proposal. After receiving a copy of the student's Research Proposal, it is the supervisory committee's responsibility to:

- \*\*ensure that the student's course work is complete, or indicate which additional courses will be required or will benefit the student's research project
- \*\*ensure that the research project is suitable for the M.Sc. or Ph.D. program that the student is enrolled in. If not, recommendation should be made to the Graduate Supervisor and the Graduate Director.
- \*\*ensure that the student is qualified and prepared to continue with their research.

IF, for whatever reason, you cannot meet the specified deadline of 12 months after initial registration for your research proposal, you or your supervisor, must provide a written request explaining the reason for the delay. The Graduate Director will review this request.

### Research Proposals

---

none scheduled

### Ph.D. Candidacy Oral Examinations - Candidacy Exams are Closed Exams.

---

Hillary Ward (Supervisor: J.R. Post), will be holding her Ph.D. Candidacy Examination, in the area of "Fisheries Ecology & Management", on January 30, 2012 @ 2:30 p.m. in BioSciences room 389. (Neutral Chair: J. Fox).

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

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

*It is the student’s responsibility to book the necessary com-media equipment with either Christine (220-3578) or David (220-8307) for their examination. Please book the equipment as soon as you have the date set for your exam/proposal meeting. (defense seminars are held one hour before the stated defense time in BI 211 unless noted otherwise)*

Hao Ding (Supervisor: M.F. Hynes), will be defending his Ph.D. Thesis, in the area of “Bacterial Genetics”, on January 19, 2012 at 10:00 a.m. in BioSciences room 389. (Neutral Chair: M. Fraser). **CLOSED EXAM**

Jacson Laliberte (Supervisor: J. Post), will be defending his M.Sc. Thesis, in the area of “Fish Ecology”, on February 1, 2012 at 2:00 p.m. in BioSciences room 499. (Neutral Chair: TBA).

Lorraine Adderley (Supervisor: J. Vamosi), will be defending her M.Sc. Thesis, in the area of “Plant Reproductive Ecology” on February 29, 2012 at 10:00 a.m. in BioSciences room 499. (Neutral Chair: TBA).

## Positions / Opportunities



### **New AIHS Funding Opportunities:**

The **AIHS Sustainability Fund** is a three-year pilot that provides block funds to the University of Alberta, University of Calgary, and the University of Lethbridge for bridging support—through a process defined by the VP Research Office—to enable highly ranked health researchers to maintain their ongoing activities as they prepare to resubmit a proposal for grant renewal to CIHR or NSERC. The objectives of the Sustainability Fund are to sustain research momentum in Alberta and increase the province’s competitiveness at the federal level. Total annual funding is \$1.2 million and the funds are now available at the universities.

**The AIHS Trainee and Early Career Development Programs** offer opportunities for graduate students and post-graduate fellows to obtain competitive funding to further their scientific education and enhance their professional development. In addition to the support for their research training, graduate level trainees will be offered an option to supplement and customize their career development through a one-year placement (the PLUS option) in an environment that may be related and complementary to their research training. For post-graduate fellows, professional development opportunities will be developed and or supported through AIHS. The first competition deadline for these newly developed programs is March 1, 2012

**The AIHS Collaborative Research and Innovation Opportunities** support high quality, interdisciplinary collaborative activities focused on the strategic priorities of AIHS, as defined in Alberta's Health Research and Innovation Strategy (AHRIS) <http://www.aet.alberta.ca/research/initiatives/ahris.aspx>. The initial categories of Collaborative Projects, Collaborative Programs, and Collaborative Teams will build on the tremendous foundation of health research expertise in Alberta by offering support to research and innovation activities that are meant to achieve defined solutions to complex health questions or needs. The categories of the Collaborative Research and Innovation Opportunities will be offered sequentially, beginning in spring 2012.

The **AIHS Industry Partnership Opportunities** provide funding for translational health research and innovation activities through partnerships between AIHS, government agencies and departments, and private industry. The first AIHS Industry Partnership Opportunity will be officially launched in late January 2012.

The **Campus Alberta/AIHS Translational Health Chairs** is a recruitment tool that will, over the next three to five years, be used to bring outstanding researchers in translational health research and innovation to Alberta. The Chairs program will provide a defined allocation of up to \$6 million a year for seven years to support targeted recruitments in priority areas aligned with AHRIS and defined jointly and collaboratively by the Comprehensive Alberta Research Institutions, Alberta Innovates, Alberta Health and Wellness, and Alberta Advanced Education and Technology. We anticipate finalizing the details of the Chairs opportunity shortly with the recruitments moving forward as rapidly as possible as of April 1, 2012.

Finally, the **AIHS Catalyst Opportunities** will provide funding support for great new ideas that require a defined, but limited amount of work in order to move them into a more feasible or competitive position; or into a more developed stage that could attract further investment; or into discoveries that could be further evolved to an applied stage of development. The Catalyst Opportunities will be in place by summer 2012

---

**Biotech Job Bank** ([www.bhrc.ca](http://www.bhrc.ca)) has current employment opportunities in the biotechnology industry in Canada. The Biotech HR Pulse is available in PDF format at: [www.bhrc.ca/Pulse/index.html](http://www.bhrc.ca/Pulse/index.html). Phone 519-457-1470, Ext 268, Fax 519-457-3997.

---

**University Affairs Career Ads.** Current employment opportunities, including all facets of the biological sciences, in Canadian universities may be found at the University Affairs website: [www.universityaffairs.ca](http://www.universityaffairs.ca). Career ads are available in HTML format at: [http://www.universityaffairs.ca/career\\_ads/index.html](http://www.universityaffairs.ca/career_ads/index.html)

---

**ISEEE and Graduate Programs** - As previous years, ISEEE is currently receiving a large number of applications from potential students to do thesis-based graduate degrees in the area of Energy and Environmental Systems research. Many of these applicants have not yet contacted individual Faculties, Schools, or Departments about graduate study. So, we will continue to work with these students to try to match them with appropriate graduate programs (and supervisors), through which they may also enroll in the ISEEE Energy and Environmental Systems (EES) Graduate Specialization.

However, we also recognize that many of you are also actively recruiting students to work on projects relevant to energy systems research, and that your students could benefit from the interdisciplinary environment that we offer within the EES Specialization (<http://www.iseee.ca/for-students/>).

To this end, we wanted to let you know that ISEEE is interested in working with you to create attractive recruiting packages for potential students. Specifically, ISEEE can help to provide scholarships for graduate students, office space, and administrative support to students that you may be recruiting to your own programs or as part of the U of C's revised Interdisciplinary Graduate Program (IGP, <http://www.ucalgary.ca/pubs/calendar/grad/current/interdisciplinary-graduate-program-igp.html>).

If you are interested in taking advantage of this opportunity, please send a brief description of your request to Dr. Joe Arvai ([Jarvai@ucalgary.ca](mailto:Jarvai@ucalgary.ca)) (Chair, ISEEE Graduate Specialization Committee) as soon as possible, but before 28 Feb. 2012. Your description should include:

- \* the name of the student that you are recruiting;
- \* the program you are recruiting the student for;
- \* a brief description of the energy systems project that is being proposed for the student;
- \* the name of the supervisor (including any co-supervisors) and proposed committee members;
- \* the amount of student funding you are requesting.

Those wishing to recruit students as part of the U of C's revised Interdisciplinary Graduate Program should send in their information prior to January 15, 2012.

Graduate students who receive support through this initiative must commit to enrolling in, and following the requirements of, ISEEE's Energy and Environmental Systems (EES) Graduate Specialization (see <http://www.iseee.ca/for-students/>).

## Conferences / Workshops / Courses



### **Transcending Borders Towards Global Health, April 27-29, 2012**

The University of Western Ontario

The Office of Global Health at the Schulich School of Medicine & Dentistry, UWO in London, Ontario will be hosting a Global Health Conference in April 2012. We invite those who are interested to join us!

# EEB New Years potluck and tacky gift exchange

- January 21<sup>st</sup> 2012 @ the Scandinavian Center
  - 739 20 Ave NW (map below)
- 5pm to 11:30 w/ cocktails @ 5 and dinner at 7
- Tickets - \$12 per person (\$10 if purchased before Dec 20<sup>th</sup>!)
  - Guests welcome; kids free
  - Pay Geoff Legault (Fox lab - Biol 275)
- Potluck style
  - Signup w/Geoff to bring an appetizer, side, main, or desert
- Norse themed New Years! (Norse drinks/food/dress etc.)
  - Grab your horned cap and your biggest goblet!
- All dinnerware provided; bring iPods to play music and an unwanted gift for the tacky gift exchange
- Bring a non-perishable item for the UCalgary food bank
- BYOB – Remember to bring receipts for all your booze!!!

