

## PROGRAM AT A GLANCE

McDougall Hall 246 &  
Schurman Market Square

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- 9:00: Welcoming remarks**  
Alaa Abd-El-Aziz, President  
Christian Lacroix, VP Academic  
Brian Wagner, A-VP Graduate Studies  
Debbie MacLellan, Dean of Science
- 9:15: Keynote speaker**  
William Montelpare, Margaret and Wallace McCain Chair in Human Development and Health, Department of Applied Human Sciences: **Preventing concussion and spinal cord injuries through skill based training**
- 9:50 Coffee break and Poster display**
- 10:15 Student oral presentations**
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|-------------------|------------------|
| Becca Striman     | Adam Proud       |
| Catherine MacNeil | Christopher Rock |
| Laura Phalen      | Beth Pearce      |
- 12:15 Light lunch and Poster display**
- Student poster presentations**
- |                    |                   |
|--------------------|-------------------|
| Christian Agatemor | Liane Leclair     |
| Ashley Alberto     | Gillian MacDonald |
| Michael Coffin     | Teri McComber     |
| Brittany Cole      | Luke McDougall    |
| Krista Gill        | Brendan McKeown   |
| Inan Kucukkaya     | Shiv veer Singh   |
| Hailey Lambe       | Brendan Sheppard  |
- 13:15 Closing remarks and awards to best student presentations**

## STUDENT PRESENTATIONS (Alphabetical)

Abstracts and full affiliations at:  
[www.upei.ca/science/graduate-studies](http://www.upei.ca/science/graduate-studies)

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- Christian Agatemor** (MSc-MMS) & Michael Shaver: Electronic effects of substituents on the phenylene backbone of Aluminium salophen complexes in the ring-opening polymerization of rac-Lactide and rac- $\beta$ -Butyrolactone
- Ashley Alberto** (MSc-ESC), Michael van den Heuvel & André St-Hilaire: Monitoring stream sediment loading and biological responses on Prince Edward Island
- Michael Coffin** (PhD-ESC), Michael van den Heuvel & Simon Courtenay: Assessing the effect of trophic cascades on eutrophication in estuaries of the southern Gulf of St. Lawrence
- Brittany Cole** (MSc-ESC) & Karen Samis: Adaptation to the Ecological Limits in a Coastal Habitat
- Krista Gill** (MSc-MMS), Fabrice Berrue, Jason Pearson & Russell Kerr: Discovery of a novel peptide natural product from *Streptomyces* sp RKKD-790
- Alaa Abd-El-Aziz, **Inan Kucukkaya** (PhD-MMS), Mosa Aelsehli & Brian Wagner: Synthesis and photophysical properties of novel porphyrin dendrimers and polymers containing organoiron complexes
- Hailey Lambe** (MSc-ESC), Marina Silva-Opps, Sheldon Opps, Will Robbins, Ch Gallison & Brad Potter: Assessing home range and habitat selection of red foxes in Charlottetown: Project design

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- Liane Leclair** (MSc-ESC), Gillian MacDonald, Laura Phalen, Bernd Köllner, Natacha Hogan & Michael van den Heuvel: The immunological effects of oil sands surface waters and naphthenic acids on rainbow trout (*Oncorhynchus mykiss*)
- Gillian MacDonald** (MSc-ESC) & Michael van den Heuvel: Recovery of stickleback populations previously exposed to pulp mill effluent
- Catherine MacNeil** (MSc-ESC) & Carolyn Peach Brown: Youth livelihood strategies and environmental decision-making in the humid forest zone of Cameroon
- Teri McComber** (MSc-HUB), Jennifer Taylor, William Montelpare & Carolanne Nelson: Food group composition of elementary school children's lunches: changes in food group intakes associated with the implementation of school nutrition policies
- Luke McDougall** (MSc-HUB) & Robert Hurta: Magnolol affects expression of cell adhesion molecules in human prostate cancer cells
- Brendan McKeown** (MSc-HUB), Catherine Neto & Robert Hurta: American cranberry (*Vaccinium macrocarpon*) extract affects insulin-like growth factor binding proteins in human prostate cancer cell lines *in vitro*
- Beth Pearce** (PhD-MMS) & Russ Kerr: Semi-synthesis of a biologically inspired library of natural product mimics, from the lipophilic marine natural product  $\beta$ -Gorgonene

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Continued...

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**Laura Phalen** (MSc-ESC), Bernd Köllner, Liane Leclair, Natacha Hogan & Michael van den Heuvel: Immunotoxic effects of benzo[a] pyrene *in vivo* and *in vitro* in rainbow trout (*Oncorhynchus mykiss*)

**Adam Proud** (PhD-MMS) & Jason Pearson: An in depth analysis of bonding environments: Intracules and extracules

**Christopher Rock** (MSc-MMS), Alaa Abd-El-Aziz & Nola Etkin: The synthesis, characterization, and analysis of polynorbornenes containing various organometallic species.

**Shiv veer Singh** (MSc-MMS), Rabin Bissessur & William Whelan: Gold nanocages: How stable are they to be used as contrast agents in photoacoustic imaging to detect cancer

**Brendan Sheppard** (MSc-MMS) & Jason Pearson: An analysis of non-covalent interactions using the localized pair model

**Becca Striman** (PhD-ESC), Donna Giberson & Christian Lacroix: Intraquild interactions and the limnological characteristics of the purple pitcher plant (*S. purpurea*): Potential applications for study

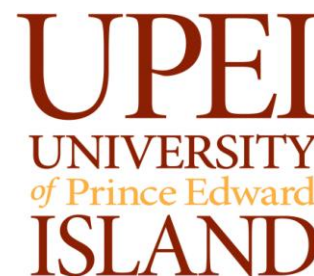
**Thank you for attending and participating in the 2013 Science Graduate Studies Day.**

*Science Graduate Studies Committee*

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# 2013 *SCIENCE* GRADUATE STUDIES DAY

## PROGRAM



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**JOIN US TO CELEBRATE OUR  
STUDENT'S RESEARCH**

**THURSDAY MAY 23<sup>rd</sup>**

**MacDougall Hall 246  
& Schurman Market Square**

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