

PROGRAM AT A GLANCE

Regis & Joan Duffy Research Centre
Lecture theater & Hall

10:00 Welcoming remarks

Alaa Abd-El-Aziz, President
Robert Gilmour, VP Research/Grad Studies
Christian Lacroix, VP Academic
Deborah MacLellan, Dean of Science

10:15 Keynote speaker

Katherine Frego, Director Graduate Studies-
Biology, UNB-Saint John: "The bryophyte
perspective on forest management:
think small"

11:15 Coffee break and Poster display

11:30 Talk session

Brendan Sheppard
Ashok Somalraju
Julia McKenna
Krista Gill
Michael Coffin

13:45 Talk session

Qammar Almas
Scott Roloson
Hope Igboeli
Daniel Gillespie
William Robbins
Matthew Boulter

12:45 Light lunch and Poster display

Poster session

Amani Abdelghani*
Jesse Hitchcock
Travis James
Hailey Lambe
Alison MacDougall
Luke McDougall
Brendan McKeown

Poster session

Mark Nabuurs
Heidi O'Brien
Luke Poirier
Gill Potter
Adam Proud
Tessa Roche
Colin Stetson
Paula Tummon

(* Visiting PhD student)

15:15 Awards to best presentations and closing

STUDENT PRESENTATIONS

(Alphabetical)

Abstracts and affiliations at:

www.upei.ca/science/graduate-programs

Amani Abdelghani *, Jason Pearson & Alaa Abd-
El-Aziz: Kinetics and computational studies of the
reaction of 2-Cl-3,5-dinitripyridine with
Benzylamine substituents in different solvents

Qammar Almas (PhD MMS) & Jason Pearson:
Benchmarking computational study of Frustrated
Lewis pairs

Matthew Boulter (MSc HUB), Jamie Burr & Katie
Beck: Eccentrically-biased aerobic exercise
produces arterial stiffness in healthy young subjects

Michael Coffin (PhD ESC), Simon Courtenay,
Cristina Pater & Michael van den Heuvel: Linking
land-use to biological effects in estuaries

Krista Gill (PhD MMS), Fabrice Berrue, Jennifer
Arens & Russ Kerr: Discovery of new peptide
natural products from Actinobacteria

Daniel Gillespie (MSc HUB), Marva Sweeney-
Nixon & Kathy Gotschall-Pass: Berries - from field
to functional food: a preliminary study on bio-
availability of blueberry juice

Jesse Hitchcock (MSc ESC), Simon C Courtenay &
Michael van den Heuvel: The health and distribution
of eelgrass (*Zostera marina*) in relation to land use
in the Southern Gulf of St. Lawrence

Hope Igboeli (PhD MMS): Natural product
discovery in fungi: an epigenetic approach

Travis James (MSc ESC): Investigating Atlantic
halibut (*Hippoglossus Hippoglossus*) movement
and population within the Gulf of St. Lawrence

STUDENT PRESENTATIONS

(Alphabetical)

Abstracts and affiliations at:

www.upei.ca/science/graduate-programs

Hailey Lambe (MSc ESC), Marina Silva-Opps,
Sheldon Opps, Marion Desmarchelias & Chuck
Garrison: Movement patterns and den site selection
in red foxes (*Vulpes vulpes*) in Charlottetown, PEI

Alison MacDougall (MSc HUB), Lori Weeks,
William Montelpare, Sharon Compton: Exploring
the relationship between oral health literacy and
chronic disease knowledge

Luke McDougall (MSc HUB), Brendan McKeown
& Robert Hurta: Magnolol inhibits expression and
EGF-induced expression of ICAM and VCAM in
DU145 human prostate cancer cells

Julia McKenna (MSc HUB) & William
Montelpare: HRV and CAS TEAOE as biomarkers
for concussion

Brendan McKeown (MSc HUB) & Robert Hurta:
Effects of magnolol on insulin-like growth factor
binding protein expression in PC3 and LNCaP
human prostate cancer cells *in vitro*

Mark H Nabuurs (MSc MMS) & Chris W Kirby:
Bioprospecting for biopesticides

Heidi O'Brien (MSc HUB): Analysis of past
concussions and current health measures: long term
impacts of concussion on dementia, depression and
general health scores

Luke Poirier (PhD ESC), Paula Tummon Flynn,
Sophie St-Hilaire & Pedro Quijon: Green crab
management: fishery prospects and effects on
commercial species

Continued...

STUDENT PRESENTATIONS

(Alphabetical)

Abstracts and affiliations at:

www.upei.ca/science/graduate-programs

Gillian Potter (MScHUB) & William Montelpare:
Identifying predictors of concussion symptoms:
examining measures of pain coping, neurocognition,
anxiety, and depression in a cohort of athletes

Adam Proud (PhD MMS) & Jason Pearson: How to
make a lasso with a protein

William Robbins (MSc ESC), Gary Conboy,
Raphael Vanderstichel, Spencer Greenwood,
Sheldon Opps & Marina Silva-Opps: A general
parasite survey of urban red foxes (*Vulpes vulpes*) in
Charlottetown, PEI by means of faecal examination

Tessa Roche (MSc HUB) & William Montelpare:
Assessment of eye-movement and balance
behaviours in university athletes following a head
injury: A step towards a more comprehensive return-
to-play protocol

Scott Roloson (PhD ESC): Migratory patterns of
non-native rainbow trout in PEI rivers

Brendan Sheppard (MSc MMS) & Jason Pearson:
The effects of hydrogen bonding on the topology of
localized electron pairs

Ashok Somalraju (MSc ESC) Kaushik Ghose¹,
Leanne Carter, Karen Samis & Bourlaye Fofana:
Phenotypic characterization of an EMS-
mutagenized dihaploid potato population

Colin Stetson (MSc HUB), Jason McCallum &
Robert Hurta: Phytochemical profiling and anti-
cancer analysis of select woody plants

Paula Tummon Flynn (MSc ESC), Cassandra
Mellish, Luke Poirier & Pedro Quijon: Cannibalism
and intra-guild predation in native and invasive
crabs in the southern Gulf of St. Lawrence

2014 *SCIENCE* GRADUATE STUDIES DAY

PROGRAM



Thank you for attending and participating!

**For more details on our student publications
and presentations, follow the links at
<http://www.upei.ca/science/graduate-programs>**

Science Graduate Studies Committee

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

FRIDAY MAY 23rd

**Regis and Joan Duffy Research Centre
Lecture Theater & Hall**
