



4TH ANNUAL

BIOLOGY GRADUATE RESEARCH FORUM

AGENDA

PRESENTED BY

THE DEPARTMENT OF BIOLOGY AND
THE SOCIETY OF BIOLOGY GRADUATE STUDENTS

SATURDAY, OCTOBER 19TH, 2013

UNIVERSITY COMMUNITY CENTRE ROOM 56

THE UNIVERSITY OF WESTERN ONTARIO

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Biology Graduate Research Forum 2013 Agenda
Saturday, October 19, 2013 • University Community Centre (UCC) Room 56

8:30 – 9:00 am	Poster set-up and load presentations
9:00 – 9:05 am	Welcome and Opening Remarks Mark Bernards - Chair, Department of Biology
Platform Session I - Long oral presentations	
9:05 – 9:20 am	Combined effects of altered nitrogen availability, temperature, and CO₂ on nitrogen fixation by the cyanobacterium <i>Nostoc punctiforme</i> Danielle Griffith
9:20 – 9:35 am	Migratory condition, but not flight, increases in muscle oxidative enzymes in yellow rumped warblers Morag Dick
9:35 – 9:50 am	Functional characterization of microRNA156 in <i>Medicago sativa</i> Banyar Aung
9:50 – 10:05 am	Periphyton growth as an indicator of agricultural impacts in low-order streams in the Beaver Valley watershed, Ontario, Canada Catherine Dieleman
10:05 – 10:20 am	Investigating the role of PDK1 in mediating amyloid-beta resistance in a transgenic mouse model of Alzheimer's disease Richard Harris
10:20 – 10:35 am	Why I study rapid evolution in salmon Steve Sharron
10:35 – 10:50 am	Morning break
Platform Session II - Short oral presentation	
10:50 – 10:57 am	Increasing atmospheric nitrogen deposition: Implications for tallgrass prairie restoration Jennifer McPhee
10:57 – 11:04 am	Factors influencing migration chronology by Lesser Scaup (<i>Aythya affinis</i>) and Mallards (<i>Anas platyrhynchos</i>) during spring Taylor Finger
11:04 – 11:11 am	An eye to the future: identifying early disease mechanisms in a mouse model of retinal degeneration Eric Dolinar
11:11 – 11:18 am	The adaptive capacity of thermal tolerance: Reintroduction of Atlantic salmon into Lake Ontario Kayla Gradil
11:18 – 11:25 am	<i>Arabidopsis</i> response to spider mite feeding: Perception, Signaling and Response Kristie Bruinsma
11:25 – 11:32 am	Effects of changing ocean acidity on the growth and toxicity of the marine raphidophyte <i>Heterosigma akashiwo</i> Julia Matheson

11:32 – 11:39 am	Habitat selection during the nonbreeding period by Eastern Population Tundra Swans Katelyn Weaver
11:39 – 11:46 am	Olfaction-related copy number variants, important for mate selection, are predominant in wild mice but infrequent in inbred laboratory mice Maja Milojevic
11:46 – 11:51 am	Redundant role of cytokinin receptors during symbiotic root nodule organogenesis in <i>Lotus japonicus</i> Mandana Miri
11:51 – 11:58 am	A genetic basis for plasticity in thermal tolerance within a coastal population of Chinook salmon Nicolas Muñoz
12:00 – 1:00 pm	Lunch break
	Laudenbach Memorial Lecture
1:00 – 2:00 pm	Dr. Melissa Holmes, University of Toronto
2:00 – 3:00 pm	Poster Session
3:00 – 3:20 pm	Closing Remarks and Award Presentations

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