



5TH ANNUAL

BIOLOGY GRADUATE RESEARCH FORUM

AGENDA

PRESENTED BY

THE DEPARTMENT OF BIOLOGY AND
THE SOCIETY OF BIOLOGY GRADUATE STUDENTS

FRIDAY, OCTOBER 3RD, 2014

PHYSICS AND ASTRONOMY, ROOM 100

THE UNIVERSITY OF WESTERN ONTARIO

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8:00 - 8:30 am	Poster set-up and load presentations
8:30 - 8:37 am	Welcome and Opening Remarks
Platform Session I - Short oral presentations	
8:37- 8:44 am	Caroline Sepiol <i>Identification and characterization of chalcone reductase genes in soybean</i>
8:44- 8:51 am	Andrea Boyer <i>Effects of simulated recurrent inclement winter weather on the stress response and feeding behaviour of white-throated sparrows (Zonotrichia albicollis)</i>
8:51- 8:58 am	Eric Diehl <i>Comprehensive assessment of epigenetic and gene expression changes in the hippocampus of fetal ethanol-exposed mice</i>
8:58- 9:05 am	Richard Harris <i>Age-dependent decline in aerobic glycolysis correlates with memory loss in a transgenic mouse model of Alzheimer's disease</i>
9:05- 9:12 am	Aniruddho Chokroborty-Hoque <i>Molecular and neural correlates of environmental enrichment in a mouse model of fetal alcohol spectrum disorder</i>
9:12- 9:19 am	Yelin Xu <i>Are reproductive tactics growth dependent in female kokanee salmon?</i>
9:19- 9:26 am	Benjamin Walters <i>The effect of predation risk on physiological condition and flight ability</i>
9:26- 9:33 am	Gurjoth Deol <i>Extraembryonic endoderm formation is regulated by crosstalk between the Wnt and Hedgehog pathways</i>
9:33- 9:40 am	Joel Slade <i>Locally good genes at MHC and resistance to malaria in song sparrows (Melospiza melodia)</i>
9:40- 10:50 am	Poster session and coffee break (Physics and Astronomy atrium)
Platform Session II - Long oral presentation	

10:50- 11:05 am	Joseph Stinziano <i>Temperature has a stronger effect than photoperiod in regulating seasonal photosynthetic performance in white spruce (Picea glauca)</i>
11:05- 11:20 am	Nico Munoz <i>The adaptive potential of a Pacific salmon challenged by climate change</i>
11:20- 11:35 am	Mandana Miri <i>Cytokinin-ethylene cross-talk may limit bacterial infection in Lotus japonicus</i>
11:35- 11:50 am	Sean Miletic <i>A plant-made vaccine to protect cattle against Shiga toxin-producing Escherichia coli</i>
11:50- 12:05 pm	Emma Hobbs <i>Quantifying the effects of perceived predation risk on the avian brain</i>
12:05- 12:20 pm	Tosha Kelly <i>Immune function is related to migration distance and phases of the annual migratory cycle in song sparrows (Melospiza melodiae)</i>
12:20 – 1:45 pm	Lunch (Physics and Astronomy atrium) and break for Departmental Seminar (BGS 0153)
Laudenbach Memorial Lecture	
1:45 – 2:45 pm	Dr. Marla Sokolowski, University of Toronto
2:45 – 3:20 pm	Platform Session III - Short oral presentations
2:45- 2:52 pm	Khaled Omari <i>Analysis of cell wall residue of alfalfa overexpressing miR156</i>
2:52- 2:59 pm	Sahar Kharaghani <i>NdrG1a and the retinoic acid pathway in development of anterior endoderm organs in Xenopus laevis</i>
2:59- 3:06 pm	Natalie Cheng <i>Changes in courtship and mating behaviour in response to perceived predation risk</i>
3:06- 3:13 pm	Asma Asemaninejad <i>Climate change impacts on communities of fungi in boreal peatlands</i>
3:13- 3:20 pm	Jaya Joshi <i>Analysis of candidate enzymes for the conversion of Cysteine into S-methylcysteine in seed of common bean (Phaseolus vulgaris)</i>
3:20- 4:45 pm	Break for Ecology and Evolution Philosophicals
4:45 - 5:00 pm	Closing Remarks and Awards Presentation