

**GRADUATE STUDENT RESEARCH SYMPOSIUM**

**SYMPOSIUM DE RECHERCHE**

**DES ÉTUDIANTS DU 2<sup>E</sup> ET 3<sup>E</sup> CYCLE**

**Wednesday, February 11, 2009 &**

**Thursday, February 12, 2009**

**Le mercredi 11 février 2009 &**

**Le jeudi 12 février 2009**

**8:45 a.m. to 4:30 p.m. - Student Centre (3<sup>rd</sup> Floor)**

**8 h 45 à 16 h 30 - Centre étudiant (3<sup>e</sup> étage)**



**Laurentian**University  
Université**Laurentienne**

**Wednesday, February 11, 2009 / Le mercredi 11 février 2009**

**(3<sup>rd</sup> Floor Student Centre / Centre étudiant, 3<sup>e</sup> étage )**

**8:45AM– 9:00 AM / Opening Remarks / Mots d’ouverture / 8:45 h à 9 h :**

**9:00AM – 10:15AM / 9 h à 10 h 15**

**Chair/Président: Belaid Aouni, School of Commerce and Administration / École de Commerce et d’administration**

Amanda M. Bennett (Biology)

EFFECTS OF HABITAT FRAGMENTATION ON THE POPULATION ECOLOGY OF NORTHERN MAP TURTLES  
(*GRAPTEMYS GEOGRAPHICA*)

Jolene Laverty (Biology)

EFFECTS OF HUMAN RECREATION ON THE POPULATION ECOLOGY AND SPATIAL BEHAVIOUR OF TURTLES IN  
THE MASSASAUGA PROVINCIAL PARK, ONTARIO, CANADA

Michelle Martin (Biology)

SPATIAL BEHAVIOUR AND HABITAT USE BY ELK (*CERVUS ELAPHUS*) IN RESPONSE TO HIGHWAY CONSTRUCTION

Megan L. Rasmussen (Biology)

IS SIZE EVERYTHING? THE INFLUENCE OF ENVIRONMENTAL CONDITIONS ON HATCHLING FITNESS IN SPOTTED  
TURTLES (*CLEMMYS GUTTATA*)

**10:15AM – 11:30AM / 10 h 15 à 11 h 30**

**Chair/Président: Rizwan Haq, Dean of Science and Engineering / Doyen de la Faculté des sciences et génie**

Katharine Yagi (Biology)

SPATIAL ECOLOGY AND BEHAVIOURAL THERMOREGULATION OF SPOTTED TURTLES (*CLEMMYS GUTTATA*) IN A  
SOUTHERN ONTARIO POPULATION

Mackensy Bacon (Biology)

DYING TO LEARN ABOUT RBM10?. AN INTRODUCTION INTO A NOVEL MODULATOR OF PROGRAMMED CELL  
DEATH

Katherine Garrah (Biology)

CLASSIFYING PLANT COMMUNITIES AS POTENTIAL REFERENCE SITES FOR THE RESTORATION OF  
ANTHROPOGENIC BARREN UPLANDS IN THE HUDSON BAY LOWLAND

Krista Gooderham (Biology)

THE POWER OF PARASITES: THE INFLUENCES OF MACROPARASITES ON THE REPRODUCTIVE SUCCESS, STRESS  
LEVELS AND IMMUNE STATUS OF THE NORTH AMERICAN RED SQUIRREL (*TAMIASCIURUS HUDSONICUS*)

**11:30AM – 12:45PM / 11 h 30 à 12 h 45**

**Chair/Président: Jacques Farine, Department of Physics / Département de physique**

Anne Boulton (Humanities)

PRESENTATION ENTITLED: THE ROOTS OF SHAME: RE-INVENTING A CULTURAL LEGACY

Heather G. Wilson (Humanities)

WHY WOMEN DIDN’T FIND ENLIGHTENMENT IN THE ENLIGHTENMENT

Marie-Teresa Begona (Humanités)

LES CIVILISATIONS AU POINT D’UN FUSIL

Jessica Clayburn (History)

MAD MOTHERS; CASES OF INFANTICIDE AT THE OLD BAILEY COURT, 1844-1913

**1:00PM – 2:00PM Lunch will be served / 13 h -14 h Un repas sera servi**

**2:00PM -3:15 PM / 14 h à 15 h 15**

**Chair/Président: Peter Luk, Dean, Faculty of Management/Doyen, Faculté de gestion**

Sophie Blais (Histoire)

CONTRE L’EFFORT DE GRÈVE : RÉFLEXIONS SUR LES COMPORTEMENTS NON-SOLIDAIRES ADOPTÉS PAR LES  
TRAVAILLEURS LORS DE LA GRÈVE DE KIRKLAND LAKE, 1941-1942

Christina St-Onge (History)

“WHAT ABOUT THE CHILDREN?” THE CREATION OF CANADIAN DAY NURSERIES DURING WORLD WAR II

Gayle Adams-Carpino (Social Work)

AN EXPLORATION OF BULLYING, LOSS OF IDENTITY AND RESILIENCE AMONGST ADOLESCENT GIRLS THROUGH THE APPLICATION OF A THEORY OF AMBIGUOUS LOSS

Kristen Conroy (Social Work)

FIGHTING TO BE HEARD: AGENCY AND TEENAGE GIRLS

**3:15PM -4:30PM / 15 h 15 à 16 h 30**

**Chair/Président: Paul Colilli, Dean of the School of Graduate Studies / Doyen de l'école des études supérieures / Acting Associate Vice President – Research / Vice-recteur associé à la recherche (intérimaire)**

Alison Buckner (Biomolecular Sciences)

A ROLE FOR FLAXSEED OIL IN CHEMOTHERAPY: ENHANCING TAXOL-MEDIATED CELL DEATH

Carly Buckner (Biomolecular Sciences)

ELECTROMAGNETIC FIELD EFFECTS ON MALIGNANT CELL PROLIFERATION ARE DEPENDENT UPON TEMPORAL PATTERNS

Jason Sprowl (Biomolecular Sciences)

TNFA RESISTANCE DURING THE ACQUISITION OF DOCETAXEL RESISTANCE IN MCF-7 CELLS

Neville Hewage (Biology)

ENZYME-BASED DETECTION AND DIFFERENTIATION OF ESCHERICHIA COLI AND TOTAL COLIFORMS IN DRINKING WATER

**Thursday, February 12, 2009 / Le jeudi 12 février 2009**

**(3<sup>rd</sup> Floor Student Centre / Centre étudiant, 3<sup>e</sup> étage )**

**9:00AM – 10:15AM / 9 h à 10 h 15**

**Chair/Présidente: Linda Ambrose, Dean of Humanities and Social Sciences / Doyenne de la Faculté des sciences sociales et humanités**

René Bleeker ( Chemical Sciences)

EXPLORATION OF THE NATURAL PRODUCTS FROM *CARDAMINE DIPHYLLA* (MICHX.) WOOD

Denis Lemay (Chemical Sciences)

TOWARD THE DEVELOPMENT OF AN ELECTROCHEMICAL PROCEDURE TO FABRICATE GOLD NANOPARTICLES WITH MIXED CAPPING LIGANDS

Thomas Lum (Chemical Sciences)

TRANSVECTION AT THE *MALIC ENZYME* LOCUS IN *DROSOPHILA MELANOGASTER*

Taylor C. Shantz (Physics)

ASPECTS OF THE DESIGN OF THE HELIUM AND LEAD OBSERVATORY FOR SUPERNOVA NEUTRINOS

**10:15AM – 11:30AM / 10 h 15 à 11 h 30**

**Chair/Président: Rizwan Haq, Dean of Science and Engineering / Doyen de la Faculté des sciences et génie**

Robert Carlos Gause (Rural and Northern Health) BEFORE NOON ON EITHER DAY

HOLISTIC APPROACHES TO RELAPSE PREVENTION FOR CONCURRENT DISORDERS IN RURAL AND NORTHERN ONTARIO

Alain P. Gauthier (Rural and Northern Health)

PHYSICAL ACTIVITY AMONG NORTHEASTERN ONTARIO FRANCOPHONES: EXPLORING DATA FROM THE CANADIAN COMMUNITY HEALTH SURVEY-CYCLE 3.1

David Gass (Psychology)

HOW ALTRUISM CAN BE GOOD FOR YOUR HEALTH: PEER PRESSURE AND HAPPINESS

Matthew George (Human Development)

SOCIAL SUPPORT AND PHYSICAL ACTIVITY: A TEST OF THE HIERARCHICAL MODEL OF INTRINSIC AND EXTRINSIC MOTIVATION

**11:30AM – 12:45PM / 11 h 30 à 12 h 45**

**Chair/Présidente: Carol Stos, Modern Languages / Langues modernes**

Patrick Legault (Human Development)

THE ROLE OF SMOKING AND SOME OTHER RISK FACTORS IN PROSTATE CANCER PROGRESSION AMONG NORTHEASTERN ONTARIO MEN

Mallorie Leduc (Human Kinetics)

EXAMINATION OF VIBRATION CHARACTERISTICS AND BENEFITS OF “ANTI-VIBRATION” MATS FOR WORKERS EXPOSED TO VIBRATION VIA THE FEET

Bridget Leonard (MBA)

A BRIEF EXAMINATION OF BARGAINING IN CANADA

Pierre Echaubard (Boreal Ecology)

HABITAT FRAGMENTATION, GENETIC DIVERSITY AND AMPHIBIAN DISEASES

**1:00PM – 2:00PM Lunch will be served / 13 h à 14 h Un repas sera servi**

**2:00PM -3:15 PM / 14 h à 15 h 15**

**Chair/Président: Linda Ambrose, Dean of Humanities and Social Sciences / Doyenne de la Faculté des sciences sociales et humanités**

Darryl Edwards (Boreal Ecology)

SELECTION FOR NEST DEFENCE TRAITS IN AN ARTIC BREEDING SHOREBIRD

Andreas Luek (Boreal Ecology)

THE WEAKEST LINK: LAKE RECOVERY SLOWED BY INSUFFICIENT FISH FOOD RESPONSE TO HIGHWAY CONSTRUCTION

Nadia C.S. Myktyczuk (Boreal Ecology)

THE IMPORTANCE OF STUDYING ACID MINE DRAINAGE BACTERIA

Lucy Patterson (Biology)

PERSONALITY AND MALE REPRODUCTIVE SUCCESS IN EASTERN CHIPMUNKS (TAMIAS STRIATUS)

**3:15PM -4:30PM / 15 h 15 à 16 h 30**

**Chair/Président: Jacques Farine, Department of Physics / Département de physique**

Ashley A. Smith (Biology)

INTERSTITIAL NITRIC OXIDE LEVELS DO NOT INCREASE FOLLOWING L-ARGININE OR ATP PERFUSION INTO THE INTERSTITIUM OF RAT HIND-LIMB SKELETAL MUSCLE

Erik Szkokan-Emilson (Biology)

HEALTHY LANDS PROMOTE HEALTHY WATERS: THE ROLE OF LAND RECLAMATION IN THE RECOVERY OF NEAR-SHORE AQUATIC COMMUNITIES

Amanda Voros (Biology)

THE ACID PH RESPONSE OF *MYCOPLASMA CAPRICOLUM* AT THE SECRETOME LEVEL

**Posters/Affiches**

Marya Ahmed (Chemical Sciences)

FACILE SYNTHESIS OF CATIONIC GOLD NANOPARTICLES: THEIR CELLULAR UPTAKE AND TRANSFECTION EFFICIENCIES

Stephen Armstrong (Biology)

DEVELOPMENT OF CARBOPLATIN, DOCETAXEL, AND COMBINED CARBOPLATIN/DOCETAXEL DRUG RESISTANT OVARIAN CANCER CELL LINES

Keith Z. Brewster (Psychology)

THE EFFECTS OF STRESS ON SKILL ACQUISITION IN RATS SELECTIVELY BRED FOR THE TENDENCY TO STRESS EAT OR NON-EAT

Andréane Chénier (Biomolecular Sciences)

A CELL SURVIVAL ADAPTATION RESPONSE TRIGGERED BY MICROMOLAR CONCENTRATIONS OF L-GLUTAMINE

Gulaid Egeh (Human Development)

RISK-TAKING BEHAVIOUR: THE CONTRIBUTION OF PREVIOUS TRAUMATIC BRAIN INJURY OVER THE LIFE SPAN

Chantal Mayer-Crittenden (Human Studies)

SECOND LANGUAGE LEARNING FOR MAJORITY-LANGUAGE STUDENTS IN NORTHERN ONTARIO: DIFFICULTIES  
IN LEARNING OR SLI

Michèle Minor-Corriveau (Sciences humaines)

ÉTUDE NORMATIVE SUR LE DÉVELOPPEMENT DE LA PAROLE ET DU LANGAGE  
CHEZ L'ENFANT FRANCO-ONTARIEN

Renée Roy (Développement Humain)

L'EFFET DE LA DURÉE, L'INTENSITÉ ET LA DÉPENSE ÉNERGÉTIQUE SUR LA CONSOMMATION D'OXYGÈNE POST-  
EXERCICE

Yi (Lisa) Zhao (Biology)

ELEVATED INTERSTITIAL ATP CONCENTRATIONS STIMULATE ADENOSINE PRODUCTION IN RESTING RAT  
SKELETAL MUSCLE

**Sponsored by/Parrainé par**

School of Graduate Studies/ L'École des études supérieures

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