



March 23 and 24, 2019
at The University of Western Ontario

TALK SCHEDULE

Saturday March 23rd 2019

CONCURRENT SESSION I

2:30 – 3:30

Cell and Molecular Biology A

BIOLOGICAL & GEOLOGICAL SCIENCES BUILDING, RM 0153

2:30 – 2:45, Saturday, March 23rd, B&GS 0153

cancelled, 15 minute break

2:45 – 3:00, Saturday, March 23rd, B&GS 0153

Jasika Bashal - Ryerson University

SUBSTRATE SPECIFICITY OF OMPTIN PROTEASES OF ENTEROBACTERIACEAE

3:00 – 3:15, Saturday, March 23rd, B&GS 0153

Pislaru, Alexandra – University of Western Ontario

GENOMIC SIGNATURES PROVIDE A UNIQUE PERSPECTIVE IN CLASSIFYING THE HETEROGENEITY IN SPECIES OF *BACILLUS* USING ALIGNMENT-FREE METHODS.

3:15 – 3:30, Saturday, March 23rd, B&GS 0153

Abuzar Zainul - Ryerson University

INVESTIGATING THE QUEE STRUCTURE AND BACTERIAL VIABILITY ASSOCIATED WITH QUEE MEDIATED FILAMENTATION IN *ESCHERICHIA COLI*

Saturday March 23rd 2019

CONCURRENT SESSION I

2:30 – 3:30

Cell and Molecular Biology B

BIOLOGICAL & GEOLOGICAL SCIENCES BUILDING, RM 0165

2:30 – 2:45, Saturday, March 23rd, B&GS 0165

Supriya Aryal - University of Windsor

ROLES OF SKP2 AND SAC IN PRESERVING GENOMIC INTEGRITY

2:45 – 3:00, Saturday, March 23rd, B&GS 0165

Madison Curtis - University of Windsor

THE ROLE OF SPY1 IN THE CELL CYCLE AND THE DEVELOPMENT OF HEPATOCELLULAR
CARCINOMA

3:00 – 3:15, Saturday, March 23rd, B&GS 0165

Alexander Rodzinka - University of Windsor

DISSECTING HETEROGENEOUS NATURE OF BRAIN TUMOURS

3:15 – 3:30, Saturday, March 23rd, B&GS 0165

Dan Wilsdon - University of Western Ontario

THE EFFECTS OF METFORMIN AND BERBERINE ON MEDULLOBLASTOMA CELL VIABILITY IN VITRO

Saturday March 23rd 2019

CONCURRENT SESSION I

2:30 – 3:30

Cell and Molecular Biology C

BIOLOGICAL & GEOLOGICAL SCIENCES BUILDING, RM 1056

2:30 – 2:45, Saturday, March 23rd, B&GS 1056

Saher Ahmed - Ryerson University

EXAMINING THE DIVERSITY OF METABOLIC CAPABILITIES IN BACTERIA ISOLATED FROM WASTEWATER TREATMENT PLANTS

2:45 – 3:00, Saturday, March 23rd, B&GS 1056

Jacqueline Diaz? - Ryerson University

Hipolito, V.E.B., Botelho, R.J.

INVESTIGATING THE SOURCE OF LIPIDS DURING TUBULAR LYSOSOME FORMATION IN BONE-MARROW DERIVED MACROPHAGES FOLLOWING ACUTE LPS STIMULATION

3:00 – 3:15, Saturday, March 23rd, B&GS 1056

Luna Guiot - University of Western Ontario

DECIPHERING THE ROLES OF LDH AND PDK IN XEN DIFFERENTIATION

3:15 – 3:30, Saturday, March 23rd, B&GS 1056

Saba Khuffash - Ryerson University

LYCAT REGULATES PIP2 SIGNALLING THROUGH MEDIATING FATTY ACYL CHAIN PROFILES

Saturday March 23rd 2019

CONCURRENT SESSION I

2:30 – 3:30

Physiology and Biochemistry A PHYSICS & ASTRONOMY BUILDING, RM 34

2:30 – 2:45, Saturday, March 23rd, P&A 34

Paul Boersma - University of Western Ontario

EFFECTS OF SILVER NANOPARTICLES ON GROWTH OF SOYBEANS (*GLYCINE MAX*) AND
BRADYRHIZOBIUM JAPONICUM USDA110

2:45 – 3:00, Saturday, March 23rd, P&A 34

Leah Mindorff - Wilfred Laurier University

ASSESSING THE QUALITY OF DISSOLVED ORGANIC MATTER IN NORTHERN FRESHWATER
ENVIRONMENTS

3:00 – 3:15, Saturday, March 23rd, P&A 34

Joseph Moryousef-Abitbol - University of Western Ontario

EXPOSURE TO Δ^9 -TETRAHYDROCANNABINOL DURING GESTATION LEADS TO MITOCHONDRIAL
DYSFUNCTION IN POSTNATAL LIFE

3:15 – 3:30, Saturday, March 23rd, P&A 34

Jessica Sinka - Nipissing University

WOUND HEALING AND SUBERIZATION IN *SOLANUM TUBEROSUM* IS NOT EFFECTED BY
APPLICATION OF REVUS FUNGICIDE

Saturday March 23rd 2019

CONCURRENT SESSION I

2:30 – 3:30

**Physiology and Biochemistry B
PHYSICS & ASTRONOMY BUILDING, RM 36**

2:30 – 2:45, Saturday, March 23rd, P&A 36

Pritha Banerjee - Laurentian University

THE BIOLOGICAL AND BIOPHYSICAL EFFECTS OF LAUGHTER ON SALIVARY CORTISOL

2:45 – 3:00, Saturday, March 23rd, P&A 36

Olivia Hayhurst - Laurentian University

ELECTROMAGNETIC FIELDS CAUSE HOMOGENIZATION OF PH VARIABILITY IN ARTIFICIAL CEREBROSPINAL FLUID

3:00 – 3:15, Saturday, March 23rd, P&A 36

Hope Lachapelle - Laurentian University

SYNERGISTIC EFFECTS OF ELECTROMAGNETIC FIELDS PAIRED WITH LIDOCAINE AND NATURAL REMEDIES AS AN INTERVENTION FOR NICOTINE ADDICTION AND WITHDRAWAL: A PLANARIAN MODEL

3:15 – 3:30, Saturday, March 23rd, P&A 36

Farah Morris - Laurentian University

INVESTIGATING THE INDUCTION EFFECTS OF ELECTROMAGNETIC FIELDS ON NON LIVING BRAINS

Saturday March 23rd 2019

CONCURRENT SESSION I

2:30 – 3:30

Ecology and Evolution A

PHYSICS & ASTRONOMY BUILDING, RM 148

2:30 – 2:45, Saturday, March 23rd, P&A 148

Mckenzie Cervini - University of Windsor

INTERACTIVE EFFECTS OF MATERNAL PRENATAL GLUCOCORTICOIDS AND ELEVATED REARING TEMPERATURES ON COPING STYLES IN CHINOOK SALMON FRY

2:45 – 3:00, Saturday, March 23rd, P&A 148

Mohamed Elshikh - University of Windsor

EFFECTS OF ACUTE ALARM CUE EXPOSURE ON EMBRYONICALLY PRIMED JUVENILE ATLANTIC SALMON

3:00 – 3:15, Saturday, March 23rd, P&A 148

Lily (Yijun) Xiong - University of Toronto

SEA LICE, SOCKEYE SALMON, AND PARASITE HOST PREFERENCE: THE INDECISIVE CALIGUS

3:15 – 3:30, Saturday, March 23rd, P&A 148

Ian Smith - University of Windsor

PERSONALITY AND SOCIAL LEARNING OF PREDATOR CUES IN ATLANTIC SALMON

Saturday March 23rd 2019

CONCURRENT SESSION I

2:30 – 3:30

Ecology and Evolution B

PHYSICS & ASTRONOMY BUILDING, RM 106

2:30 – 2:45, Saturday, March 23rd, P&A 106

Justin Aoun - University of Windsor

SENSORY HAIR CELL REGENERATION IN BLACK BULLHEAD (*AMEIURUS MELAS*) AFTER NOISE EXPOSURE

2:45 – 3:00, Saturday, March 23rd, P&A 106

Alaa El-Cheikh Mohamad - University of Windsor

THE INFLUENCE OF SOUND ON ROUND GOBY (*NEOGOBIUS MELANOSTOMUS*) FORAGING BEHAVIOUR

3:00 – 3:15, Saturday, March 23rd, P&A 106

Enxhi Kotrri - University of Windsor

AUDITORY EVOKED POTENTIALS (AEP) TO QUANTITATIVELY ASSESS HEARING ABILITIES IN BLACK BULLHEAD (*AMEIURUS MELAS*)

3:15 – 3:30, Saturday, March 23rd, P&A 106

Deena Oozeer - University of Windsor

EFFECT OF AGE AND SOUND ON HAIR CELL DISTRIBUTION IN MEMBRANOUS LABYRINTH OF THE SEA LAMPREY (*PETROMYZON MARINUS*)

Saturday March 23rd 2019

CONCURRENT SESSION I

2:30 – 3:30

Ecology and Evolution C

PHYSICS & ASTRONOMY BUILDING, RM 150

2:30 – 2:45, Saturday, March 23rd, P&A 150

Meghan Dilliot - Wilfrid Laurier University
SEEDLING SURVIVAL AND SEED SIZE IN CUSCUTA

2:45 – 3:00, Saturday, March 23rd, P&A 150

Alicia Banwell - University of Western Ontario
WHITE VARIANTS OF EDIBLE GOLDEN CHANTERELLES

3:00 – 3:15, Saturday, March 23rd, P&A 150

Jerret Johns - Nipissing University
COPPICE GROWTH OF RED OAK, RED MAPLE AND SUGAR MAPLE AFTER 14 YEARS UNDER UNIFORM SHELTERWOOD AND GROUP SELECTION TREATMENTS IN THE GREAT LAKES-ST. LAWRENCE FOREST REGION

3:15 – 3:30, Saturday, March 23rd, P&A 150

Katie Talbot - Nipissing University
DIFFERENCES IN THE FOLIAR CONCENTRATION OF ANTIHERBIVORE ALLELOCHEMICALS OF ADJACENT BALSAM FIR SAPLINGS GROWING IN DISTURBED FOREST GAPS IN WESTERN NEWFOUNDLAND

Saturday March 23rd 2019

CONCURRENT SESSION I

2:30 – 3:30

Ecology and Evolution D

PHYSICS & ASTRONOMY BUILDING, RM 117

2:30 – 2:45, Saturday, March 23rd, P&A 117

Hiba ElMiari - Wilfrid Laurier University

SEED STORY: ARE DRY, INDEHISCENT FRUITS AND SMALL SEEDS ADAPTED TO INTERNAL DISPERSAL BY WATERFOWLS?

2:45 – 3:00, Saturday, March 23rd, P&A 117

Anna Basu - University of Western Ontario

SYSTEMATICS OF THE GENUS *HOHENBUEHELIA*

3:00 – 3:15, Saturday, March 23rd, P&A 117

Breanna Craig - Nipissing University

DEFOLIATION OF BOREAL FOREST STANDS DURING SPRUCE BUDWORM OUTBREAKS IN RELATION TO SITE QUALITY

3:15 – 3:30, Saturday, March 23rd, P&A 117

Heather Patterson - Laurentian University

CHRONOSEQUENCE ANALYSIS OF CARBON SEQUESTRATION IN RECLAIMED FOREST SOILS IN SUDBURY, ONTARIO

Saturday March 23rd 2019

CONCURRENT SESSION II

4:00 – 5:00

Cell & Molecular Biology D

BIOLOGICAL & GEOLOGICAL SCIENCES BUILDING, RM 0153

4:00 – 4:15, Saturday, March 23rd, B&GS 0153

Mario Filice - University of Toronto

THE ROLE OF DROSOPHILA HEAT SHOCK FACTOR IN THE REGULATION OF KEY DEVELOPMENTAL GENES

4:15 – 4:30, Saturday, March 23rd, B&GS 0153

Sarah Nafal - University of Windsor

THE EFFECTS OF REDUCED PHOSPHATIDYLSERINE ON NERVE TERMINAL GROWTH AT DROSOPHILA LARVAL NEUROMUSCULAR JUNCTIONS

4:30 – 4:45, Saturday, March 23rd, B&GS 0153

Arif Sarowar - University of Toronto

EFFECT ON NEURAL DEVELOPMENT BY SPECIFIC TYPE IS MOTOR NEURON EXPRESSION PATTERNS IN DROSOPHILA MELANOGASTER

4:45 – 5:00, Saturday, March 23rd, B&GS 0153

Yordan Stoyanov - McMaster University

UNDERSTANDING THE ROLE OF CONSERVONS IN STREPTOMYCES VENEZUELAE DEVELOPMENT

Saturday March 23rd 2019

CONCURRENT SESSION II

4:00 – 5:00

Cell and Molecular Biology E

BIOLOGICAL & GEOLOGICAL SCIENCES BUILDING, RM 0165

4:00 – 4:15, Saturday, March 23rd, B&GS 0165

Nathalie Abikou - Laurentian University

MALE WALLEYE REPRODUCTIVE FITNESS FROM WASSI FALLS, NIPISSING LAKE

4:15 – 4:30, Saturday, March 23rd, B&GS 0165

Tianhui Chen - University of Toronto

CHARACTERIZATION OF THE MOLECULAR MECHANISMS REGULATING EPITHELIAL MORPHOGENESIS DURING ZEBRAFISH EMBRYONIC DEVELOPMENT

4:30 – 4:45, Saturday, March 23rd, B&GS 0165

Sharbel Najm - University of Windsor

DETERMINATION OF GENE FLOW AND CONNECTIVITY AMONG TOURIST-FED AND UNFED *HYPANUS AMERICANUS* POPULATIONS AT GRAND CAYMAN

Saturday March 23rd 2019
CONCURRENT SESSION II

4:00 – 5:00

Cell and Molecular Biology F
BIOLOGICAL & GEOLOGICAL SCIENCES BUILDING, RM 1056

4:00 – 4:15, Saturday, March 23rd, B&GS 1056

Raymond Huynh - Ryerson University

ROLE OF PMRD PROMOTER ALTERATIONS IN HDP RESISTANCE

4:15 – 4:30, Saturday, March 23rd, B&GS 1056

Laura Orofiamma - Ryerson University

AMP-ACTIVATED PROTEIN KINASE CONTROLS B1-INTEGRIN VIA A NOVEL ARF6-DEPENDENT SIGNALING PATHWAY

4:30 – 4:45, Saturday, March 23rd, B&GS 1056

Gayashan Tennakoon - University of Ottawa

NKG2D AND DNAM-1: THE KEY TO REVERSING POSTOPERATIVE NK CELL DYSFUNCTION?

4:45 – 5:00, Saturday, March 23rd, B&GS 1056

Dafne Vural - Ryerson University

REGULATION OF EPIDERMAL GROWTH FACTOR RECEPTOR SIGNALING BY ACK1

Saturday March 23rd 2019
CONCURRENT SESSION II

4:00 – 5:00

Ecology and Evolution F
PHYSICS & ASTRONOMY BUILDING, RM 34

4:00 – 4:15, Saturday, March 23rd, P&A 34

Chelsea Frank - University of Windsor

POLAR BEARS' (*URSUS MARTIMUS*) TERRESTRIAL BEHAVIOURS DURING THE ICE-FREE SEASON ON EAST BAY ISLAND, NUNAVUT

4:15 – 4:30, Saturday, March 23rd, P&A 34

Marlee Pyott - Laurentian University

A DIVISION OF LABOUR IS CAUSING SEXUAL SIZE DIMORPHISM IN THE CANIDAE FAMILY

4:30 – 4:45, Saturday, March 23rd, P&A 34

Rushiraj Vansiya - McMaster University

IMPACT OF SPATIAL CONSTRAINT ON THE SKELETAL GROWTH OF *STRONGYLOCENTROTUS PURPURATUS*, PURPLE SEA URCHINS

4:45 – 5:00, Saturday, March 23rd, P&A 34

Alexis Wilder - University of Windsor

ECOLOGICAL FACTORS INFLUENCE PRIMATE VOCAL BEHAVIOUR IN A NEOTROPICAL DRY FOREST: HABITAT AND BEHAVIOUR IN THREE SPECIES OF MONKEY

Saturday March 23rd 2019
CONCURRENT SESSION II

4:00 – 5:00

Physiology and Biochemistry C
PHYSICS & ASTRONOMY BUILDING, RM 36

4:00 – 4:15, Saturday, March 23rd, P&A 36

Fatimat Zahra Muhammad - Laurentian University

THE EFFECTS OF PH AND CHLORPROMAZINE ON DIFFERENTIATION AND VIABILITY OF PC12 CELLS

4:15 – 4:30, Saturday, March 23rd, P&A 36

Andrew Pellegrini - Laurentian University

A QUANTITATIVE ELECTROENCEPHALOGRAPHIC ASSESSMENT OF MYALGIC ENCEPHALOMYELITIS / CHRONIC FATIGUE SYNDROME IN 46 ADULTS

4:30 – 4:45, Saturday, March 23rd, P&A 36

Rahul Ravindran - Laurentian University

BIOMARKERS FOR DISEASE

4:45 – 5:00, Saturday, March 23rd, P&A 36

Taylor Roy - Laurentian University

THE EFFECTS OF EXAM INDUCED STRESS OF MEMORY SCORES AND EEG PROFILES

Saturday March 23rd 2019
CONCURRENT SESSION II

4:00 – 5:00

Ecology and Evolution G
PHYSICS & ASTRONOMY BUILDING, RM 148

4:00 – 4:15, Saturday, March 23rd, P&A 148

Nikita Frizzelle - University of Western Ontario

DISPERSAL ABILITY & FLIGHT MORPHOLOGY IN THE ROCKY MOUNTAIN APOLLO BUTTERFLY,
PARNASSIUS SMINTHEUS

4:15 – 4:30, Saturday, March 23rd, P&A 148

Jonathan Gootgarts - University of Western Ontario

USING STABLE ISOTOPES TO DETERMINE NATAL ORIGIN AND LARVAL HOST PLANT USE BY THE
WESTERN BEAN CUTWORM, *STRIACOSTA ALBICOSTA* (LEPIDOPTERA: NOCTUIDAE)

4:30 – 4:45, Saturday, March 23rd, P&A 148

Aranya Iyer - McMaster University.

LONG TERM TRENDS IN ABUNDANCES OF AERIAL INSECTIVORES ACROSS STOPOVER SITES IN
ONTARIO

4:45 – 5:00, Saturday, March 23rd, P&A 148

Nilram Jalilian - University of Western Ontario

THE EFFECT OF THERMAL STRESS ON *MYTHIMNA UNIPUNCTA*

Saturday March 23rd 2019
CONCURRENT SESSION II

4:00 – 5:00

Ecology and Evolution H
PHYSICS & ASTRONOMY BUILDING, RM 106

4:00 – 4:15, Saturday, March 23rd, P&A 106

Arshpreet Bassi - University of Windsor
THE FISH PERSPECTIVE OF ARTIFICIAL LIGHT AT NIGHT

4:15 – 4:30, Saturday, March 23rd, P&A 106

Riley Beach - University of Windsor
BIOLOGY OF THE ROUGHHEAD GRENADIER (*MACROURUS BERGLAX*) IN THE EASTERN CANADIAN ARCTIC

4:30 – 4:45, Saturday, March 23rd, P&A 106

Amy Dao - University of Toronto
SEASONAL PLASTICITY IN THE GUT OF *SALVELINUS NAMAYCUSH* AND *MICROPTERUS DOLOMIEU*

4:45 – 5:00, Saturday, March 23rd, P&A 106

Eric Kuindersma - University of Windsor
EFFECTS OF HABITAT COMPLEXITY ON PERFORMANCE AND SURVIVAL OF DIFFERENT BEHAVIOURAL PHENOTYPES IN FISH USING AGENT-BASED MODELLING

Saturday March 23rd 2019

CONCURRENT SESSION II

4:00 – 5:00

Ecology and Evolution I

PHYSICS & ASTRONOMY BUILDING, RM 150

4:00 – 4:15, Saturday, March 23rd, P&A 150

Luc LaRoche - Laurentian University

MATERNAL INFLUENCES ON LAKE WHITEFISH (*COREGONOUS CLUPEIFORMIS*) EMBRYONIC FITNESS FROM AN EXPLOITED STOCK WITH A RECENT FOOD WEB CHANGE IN LAKE HURON

4:15 – 4:30, Saturday, March 23rd, P&A 150

Monica Sokolowski - University of Windsor

GETTING DEEP INTO SKATES: BIOLOGY OF *AMBLYRAJA HYPERBOREA* (ARCTIC SKATE) IN THE EASTERN CANADIAN ARCTIC

4:30 – 4:45, Saturday, March 23rd, P&A 150

Madison Sturba - University of Windsor

AN INTEGRATIVE APPROACH TO QUANTIFYING SENESCENCE IN SPAWNING FEMALE CHINOOK SALMON DURING FRESHWATER RESIDENCY

4:45 – 5:00, Saturday, March 23rd, P&A 150

Shelby Wright - University of Windsor

EFFECTS OF ALARM CUE PRIMING ON ANTI-PREDATOR BEHAVIOUR AND PHENOTYPIC VARIATION IN ATLANTIC SALMON (*SALMO SALAR*)

Saturday March 23rd 2019
CONCURRENT SESSION II

4:00 – 5:00

Ecology and Evolution J
PHYSICS & ASTRONOMY BUILDING, RM 117

4:00 – 4:15, Saturday, March 23rd, P&A 117

Natalie Burgess - Laurentian University

TERRESTRIAL MAMMALIAN PREDATOR/PREY RATIOS IN SOUTH AMERICA

4:15 – 4:30, Saturday, March 23rd, P&A 117

Sian Milne - University of Toronto

DATING *CUSCUTA* (CONVOLVULACEAE): EXPLORING A MOLECULAR CLOCK APPROACH IN THE DIFFICULT CASE OF PARASITIC PLANTS

4:30 – 4:45, Saturday, March 23rd, P&A 117

Cassidy Sullivan - Laurentian University

THE ROLE OF POPULATION DENSITY IN BIRTH SEX RATIOS OF DEER MICE (*PEROMYSCUS MANICULATUS*)

4:45 – 5:00, Saturday, March 23rd, P&A 117

Tiger Wu – University of Toronto

Balgobin, J., Havelka, M., Richter, C., Wu, T., Younen, T.

THE IMPACT OF WHITE-TAILED DEER (*ODOCOILEUS VIRGINIANUS*) ON THE DIVERSITY, GROWTH, AND SPECIES ABUNDANCE OF URBAN PLANT COMMUNITIES

Sunday March 24th 2019

Concurrent Session III

9:00 – 10:30

Cell and Molecular Biology G

BIOLOGICAL & GEOLOGICAL SCIENCES BUILDING, RM 0153

9:00 – 9:15, Sunday, March 24th, B&GS 0153

Jazlyn Borges - Ryerson University

REGULATION OF STAT5 ACTIVATION BY CLATHRIN-MEDIATED ENDOCYTOSIS

9:15 – 9:30, Sunday, March 24th, B&GS 0153

Cancelled, 15 minute break

9:30 – 9:45, Sunday, March 24th, B&GS 0153

Yupeng Liu - University of Toronto

PROTEINS ASSOCIATED WITH NEURODEGENERATIVE DISEASE REGULATE RNA POLYMERASE II
TRANSCRIPTION AT RIBOSOMAL DNA REPEATS

9:45 – 10:00, Sunday, March 24th, B&GS 0153

Anna Maria Mapili - Ryerson University

IDENTIFYING THE REGULATION OF OMPT OMPTIN PROTEASE ACTIVITY BY THE EXPRESSION OF
RNA POLYMERASE SIGMA FACTOR 54 IN *ESCHERICHIA COLI*

10:00 – 10:15, Sunday, March 24th, B&GS 0153

Amandeep Sandhu - University of Western Ontario.

THE SPECIFIC ROLES OF DNAJ CHAPERONES IN CELLULAR PROTEIN QUALITY CONTROL

10:15 – 10:30, Sunday, March 24th, B&GS 0153

Anne Semaan - University of Windsor

VALIDATING DROSOPHILA MELANOGASTER AS A TOOL TO STUDY TUBERIN CELL CYCLE
REGULATION

Sunday March 24th 2019

Concurrent Session III

9:00 – 10:30

Cell and Molecular Biology H

BIOLOGICAL & GEOLOGICAL SCIENCES BUILDING, RM 0165

9:00 – 9:15, Sunday, March 24th, B&GS 0165

Disha Acharya - Ryerson University

EXAMINATION OF BACTERIAL SURVIVAL FOLLOWING PRIMARY AND SECONDARY INFECTION IN MAMMALIAN MACROPHAGE CELLS

9:15 – 9:30, Sunday, March 24th, B&GS 0165

Emily Miraglia - Ryerson University

THE EFFECT OF ADHERENT-INVASIVE ESCHERICHIA COLI ON HOST MACROPHAGES

9:30 – 9:45, Sunday, March 24th, B&GS 0165

Meghan Pepler - McMaster University

POTENTIAL FOR ANTIBIOTIC DISCOVERY AND PRODUCTION BY THE GENERATION OF A STREPTOMYCES VENEZUELAE-DERIVED CHASSIS STRAIN

9:45 – 10:00, Sunday, March 24th, B&GS 0165

Elliott Somerville - Ryerson University

ROLE OF PHAGOLYSOSOME FRAGMENTATION IN THE REFORMATION OF LYSOSOMES WITHIN MURINE MACROPHAGES

10:00 – 10:15, Sunday, March 24th, B&GS 0165

Hiu-Ki (Rachel) Tran - McMaster University

EXPANDING THE VIRULENCE ONTOLOGY (VIRO) TO DETERMINE THE VARIABILITY OF SECRETION SYSTEM EFFECTORS

10:15 – 10:30, Sunday, March 24th, B&GS 0165

Bianca Valente – University of Western Ontario

INTRIGUING SEQUENCE SIMILARITIES BETWEEN VIRAL GENOMES AND THEIR HOSTS

Sunday March 24th 2019

Concurrent Session III

9:00 – 10:30

Cell and Molecular Biology I

BIOLOGICAL & GEOLOGICAL SCIENCES BUILDING, RM 1056

9:00 – 9:15, Sunday, March 24th, B&GS 1056

Zaleena Akheralie - University of Toronto

CHARACTERIZING EMBRYONIC OPTIC NEUROBLASTS IN THE DEVELOPING DROSOPHILA
MELANOGASTER BRAIN

9:15 – 9:30, Sunday, March 24th, B&GS 1056

Gianluca Calcagno - Ryerson University

TESTING CANCER CHEMOTHERAPY SENSITIVITY AND RESISTANCE RELATIONSHIPS FOR A
PANCREATIC CANCER DRUG

9:30 – 9:45, Sunday, March 24th, B&GS 1056

Kurt Clemmer - University of Western Ontario

EXPLORATION OF EVOLUTION IN B-CELL LEUKEMIA: IDENTIFYING POTENTIAL GENES THAT
ENABLE CLONAL EVOLUTION BY WHOLE EXOME SEQUENCING AND MOUSE MODELS

9:45 – 10:00, Sunday, March 24th, B&GS 1056

Colin Curran - University of Windsor

MEASURING THE EFFECTS OF BMAL1 ON TUMOR CHARACTERISTICS AND INCIDENCE RATES IN
APC MIN/- MICE

10:00 – 10:15, Sunday, March 24th, B&GS 1056

Devon Knight - University of Western Ontario

INVESTIGATING AIOLOS MUTATIONS AS DRIVERS OF B CELL ACUTE LYMPHOBLASTIC LEUKEMIA
IN MICE

10:15 – 10:30, Sunday, March 24th, B&GS 1056

Fatima Nadeem - University of Windsor

THE ROLE OF THE MICROENVIRONMENTAL LANDSCAPE IN GBM PROGRESSION AND THERAPY
RESISTANCE

Sunday March 24th 2019

Concurrent Session III

9:00 – 10:30

Cell and Molecular Biology J

PHYSICS & ASTRONOMY BUILDING, RM 34

9:00 – 9:15, Sunday, March 24th, P&A 34

Lamia Akbar - University of Toronto

AN EXPLORATION OF EPIGENETIC EFFECTS IN DUTCH AND BANGLADESHI HISTORICAL FAMINE POPULATIONS: A LITERATURE REVIEW

9:15 – 9:30, Sunday, March 24th, P&A 34

Shahnawaz Butt - Laurentian University

FROM MOUSE TO HUMAN: AN IMPERATIVE KEY TO UNLOCKING THE INTERACTION BETWEEN THE STB TOXIN AND AN INTESTINAL CELL SURFACE RECEPTOR

9:30 – 9:45, Sunday, March 24th, P&A 34

Cori Lau - University of Western Ontario

COMPARISON OF THE GENE EXPRESSION IN THP-1 CELLS INDUCED BY NORMAL, PRE-FIBROTIC AND DUPUYTREN'S DISEASE MYOFIBROBLASTS

9:45 – 10:00, Sunday, March 24th, P&A 34

Cancelled, break for 15 minutes

10:00 – 10:15, Sunday, March 24th, P&A 34

Daniel Olteanu - University of Western Ontario

INSIDE THE LUNGS OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE PATIENTS: A METAGENOMIC MICROBIAL RE-ANALYSIS

10:15 – 10:30, Sunday, March 24th, P&A 34

Nikita Thakkar – University of Western Ontario

CHANGES IN BRAIN MORPHOLOGY AND MICROGLIAL ACTIVATION FOLLOWING MATERNAL IMMUNE ACTIVATION

Sunday March 24th 2019

Concurrent Session III

9:00 – 10:30

Cell and Molecular Biology K

PHYSICS & ASTRONOMY BUILDING, RM 36

9:00 – 9:15, Sunday, March 24th, P&A 36

Amritpal Garha

University of Western Ontario

ROLE OF O-GLUCNACYLATION IN EXTRAEMBRYONIC ENDODERMAL DIFFERENTIATION OF THE F9 MOUSE CELL LINE

9:15 – 9:30, Sunday, March 24th, P&A 36

Marco Herrera - University of Western Ontario

INVESTIGATING THE ROLE OF P66SHC IN OXIDATIVE STRESS SENSITIVITY IN AB-RESISTANT PC12 CELLS

9:30 – 9:45, Sunday, March 24th, P&A 36

Melissa Huestis - Ryerson University

INVESTIGATING THE INTERPLAY BETWEEN AMP-ACTIVATED PROTEIN KINASE, P38 MAPK AND O-LINKED B- N-ACETYLGLUCOSAMINE IN RESPONSE TO CELL STRESS

9:45 – 10:00, Sunday, March 24th, P&A 36

Vanessa Montemurri - University of Windsor

THE ROLE OF G9A AND PUMILIO ON THERMAL NOCICEPTION

10:00 – 10:15, Sunday, March 24th, P&A 36

Naomi Mishan - University of Western Ontario

THE CYTOPLASMIC DOMAIN OF MT1-MMP ASSISTS IN THE REGULATION OF AEROBIC GLYCOLYSIS

10:15 – 10:30, Sunday, March 24th, P&A 36

Jordan VanderBurgt - University of Western Ontario

IDENTIFYING THE CINNAMATE 4-HYDROXYLASE ENZYME FAMILY IN SOYBEAN AND DETERMINING THEIR SUBCELLULAR LOCALIZATION IN *NICOTIANA BENTHAMIANA*

Sunday March 24th 2019

Concurrent Session III

9:00 – 10:30

Physiology and Biochemistry D

PHYSICS & ASTRONOMY BUILDING, RM 148

9:00 – 9:15, Sunday, March 24th, P&A 148

Peter Denezis - University of Western Ontario

DOES PARKIN REGULATE MITOCHONDRIAL DEGRADATION AND METABOLIC SUPPRESSION IN DIAPAUSING COLORADO POTATO BEETLES?

9:15 – 9:30, Sunday, March 24th, P&A 148

Michael Dunphy - Wilfrid Laurier University

THE EFFECTS OF TEMPERATURE ON ANOXIA-INDUCED BRAIN SWELLING IN GOLDFISH (CARASSIUS AURATUS)

9:30 – 9:45, Sunday, March 24th, P&A 148

Michel Grossauer - Laurentian University

2. University of Massachusetts Boston

BRAIN SIZE IN BRACHYHYPOPOMUS OCCIDENTALIS FROM PANAMA

9:45 – 10:00, Sunday, March 24th, P&A 148

Sydney Neufeld - University of Western Ontario

CAPACITY FOR PLASTICITY OF CARDIAC PERFORMANCE IN ATLANTIC SALMON PARR, *SALMO SALAR*

10:00 – 10:15, Sunday, March 24th, P&A 148

Adam Smith - University of Western Ontario

METABOLIC COSTS OF FREEZING AND RECOVERY IN THE SPRING FIELD CRICKET, *GRYLLUS VELETIS*

10:15 – 10:30, Sunday, March 24th, P&A 148

Rachel Wise - University of Western Ontario

THE EFFECT OF ELEVATED REARING TEMPERATURE ON GILL MORPHOLOGY IN JUVENILE ATLANTIC SALMON (*SALMO SALAR*)

Sunday March 24th 2019

Concurrent Session III

9:00 – 10:30

Physiology and Biochemistry E

PHYSICS & ASTRONOMY BUILDING, RM 106

9:00 – 9:15, Sunday, March 24th, P&A 106

Emma Barbu - University of Western Ontario

THE EFFECTS OF WESTERN DIET IN UTERO AND POSTNATALLY ON HEPATIC MITOCHONDRIAL FUNCTION IN GUINEA PIGS

9:15 – 9:30, Sunday, March 24th, P&A 106

Melanie Denomme - University of Western Ontario

CAN BIRDS CARB LOAD? USING STABLE ISOTOPES TO DETERMINE THE EFFECTS OF DIET ON PREFERENTIAL FUEL USE IN THE YELLOW-RUMPED WARBLER (*SETOPHAGA CORONATA CORONATA*)

9:30 – 9:45, Sunday, March 24th, P&A 106

Dominique Gatti - University of Windsor

ALARM CUE STIMULATION OF GILL PORE PAPPILLAR CHEMOSENSORY RESPONSES IN THE ADULT SEA LAMPREY (*PETROMYZON MARINUS*)

9:45 – 10:00, Sunday, March 24th, P&A 106

Spencer Matt - University of Western Ontario

UPTAKE AND TRANSLOCATION OF CADMIUM IN SOYBEAN (*GLYCINE MAX*) IN RESPONSE TO SULFUR ADDITION

10:00 – 10:15, Sunday, March 24th, P&A 106

Dana Nguyen - University of Western Ontario

EFFECT OF DIET MANIPULATION AND WING MORPHOLOGY ON BURST FLIGHT PERFORMANCE IN YELLOW-RUMPED WARBLERS (*SETOPHAGA CORONATA CORONATA*)

10:15 – 10:30, Sunday, March 24th, P&A 106

Alyssa Stephens - University of Windsor

STUDYING THE IMPACT OF PHOTOPERIOD AND FEEDING TIME ON CIRCADIAN RHYTHMS IN CHINOOK SALMON

Sunday March 24th 2019

Concurrent Session III

9:00 – 10:30

Physiology and Biochemistry F

PHYSICS & ASTRONOMY BUILDING, RM 150

9:00 – 9:15, Sunday, March 24th, P&A 150

Saloni Aggarwal - University of Western Ontario

THE ROLE OF ENHANCER OF ZESTE HOMOLOG 2 (EZH2) IN REGENERATION OF ADULT ACINAR CELLS FOLLOWING CERULEIN-INDUCED PANCREATITIS IN MICE

9:15 – 9:30, Sunday, March 24th, P&A 150

Lauren Culmone - University of Windsor

UBISOL-Q10 (A NANOMICELLAR WATER-SOLUBLE FORMULATION OF COQ10) SUPPLEMENTATION REDUCES BEHAVIOURAL AND PATHOLOGICAL SYMPTOMS IN DOUBLE TRANSGENIC MOUSE MODELS OF ALZHEIMER'S DISEASE

9:30 – 9:45, Sunday, March 24th, P&A 150

Benjamin Scaria - University of Windsor

EVALUATING THE EFFICACY OF ETHANOLIC LEMONGRASS EXTRACT (CITRATUS CYMPBOPOGON) IN TREATMENT OF COLON CANCER AND DRUG-DRUG INTERACTIONS OF LEMONGRASS EXTRACT AND CHEMOTHERAPEUTICS FOR TREATMENT OF COLON CANCER

9:45 – 10:00, Sunday, March 24th, P&A 150

Iryna Shchybyvolok - Ryerson University

THE POTENTIAL FOR DNA DAMAGE EFFECTS IN HIV ANTIRETROVIRAL THERAPY

Sunday March 24th 2019

Concurrent Session III

9:00 – 10:30

Science Education A

PHYSICS & ASTRONOMY BUILDING, RM 117

9:00 – 9:15, Sunday, March 24th, P&A 117

Sandy Chau and/or Haya Habib? - University of Toronto

HOW FEAR OF FAILURE AFFECTS STUDENTS' ATTITUDE TOWARDS LEARNING

9:15 – 9:30, Sunday, March 24th, P&A 117

Ahmed Akhlaq and/or Hasnaan Katal? - University of Toronto

DEVELOPING CAREER RESOURCES FOR BIOLOGY UNDERGRADUATE STUDENTS

9:30 – 9:45, Sunday, March 24th, P&A 117

Nicole Pereira - Ryerson University

EFFECTIVENESS OF VIDEOS USED AS A PEDAGOGICAL TOOL TO TEACH BASIC LABORATORY STATISTICS

9:45 – 10:00, Sunday, March 24th, P&A 117

Gavin Ridgeway - Ryerson University

INCORPORATING VIDEOS AS A PEDAGOGICAL TOOL IN UNDERGRADUATE BIOLOGY LABORATORIES

10:00 – 10:15, Sunday, March 24th, P&A 117

Shiza Shaikh - University of Toronto

CAN FIRST YEAR NON-MAJOR BIOLOGY STUDENTS ACCURATELY PREDICT THEIR ABILITY TO APPLY THE SCIENTIFIC METHOD? EXPLORING THE CORRELATION BETWEEN METACOGNITION AND DISCIPLINE-BASED LEARNING.

10:15 – 10:30, Sunday, March 24th, P&A 117

Jaiden Tu - University of Western Ontario

STUDENTS' PERCEPTIONS OF THE PEER REVIEW PROCESS IN ACADEMIC WRITING IN A SECOND-YEAR UNDERGRADUATE SCIENCE COURSE

Sunday March 24th 2019

Concurrent Session IV

11:00 – 12:00

Cell and Molecular Biology L

BIOLOGICAL & GEOLOGICAL SCIENCES BUILDING, RM 0153

11:00 – 11:15, Sunday, March 24th, B&GS 0153

Liam Brown - University of Western Ontario

CHASING THE NEUROLIGINS: QUANTIFICATION OF LOW COPY TRANSCRIPTS IN *DROSOPHILA MELANOGASTER*

11:15 – 11:30, Sunday, March 24th, B&GS 0153

Anuj Kaushal - University of Toronto

DETERMINING GENETIC INTERACTIONS WITH NSF IN *DROSOPHILA MELANOGASTER*

11:30 – 11:45, Sunday, March 24th, B&GS 0153

Sara Kulinski - University of Western Ontario

THE ROLE OF FRUITLESS P3 AND P4 TRANSCRIPTS IN *DROSOPHILA MELANOGASTER*

11:45 – 12:00, Sunday, March 24th, B&GS 0153

Megan Stewart - University of Western Ontario

DETERMINING THE ROLE OF DOPAMINERGIC FRUITLESS NEURONS ON THE SOCIAL SPACE OF *DROSOPHILA MELANOGASTER*

Sunday March 24th 2019

Concurrent Session IV

11:00 – 12:00

Ecology and Evolution K

BIOLOGICAL & GEOLOGICAL SCIENCES BUILDING, RM 0165

11:00 – 11:15, Sunday, March 24th, B&GS 0165

Natasha Sacka – McMaster University

EXPLORING COMPETING THEORIES OF THE ORIGINS OF THE GENETIC CODE THROUGH STATISTICAL ANALYSIS

11:15 – 11:30, Sunday, March 24th, B&GS 0165

Andrew Crozier - University of Toronto

PROBLEM-SOLVING IN BLACK-CAPPED CHICKADEES, *POECILE ATRICAPILLUS*, ACROSS AN URBANIZATION GRADIENT ALONG THE CREDIT RIVER OF MISSISSAUGA, ONTARIO

11:30 – 11:45, Sunday, March 24th, B&GS 0165

Nanxi Huang - University of Western Ontario

SEX-SPECIFIC PERFORMANCE OF AN ALLOCENTRIC SPATIAL MEMORY TASK IN BROWN-HEADED COWBIRDS

11:45 – 12:00, Sunday, March 24th, B&GS 0165

Dariusz Wojtaszek - University of Western Ontario

IDENTIFYING SITES OF PRODUCTION OF WATERFOWL HUNTED IN THE GREAT LAKES REGION, USING STABLE HYDROGEN ISOTOPES

Sunday March 24th 2019

Concurrent Session IV

11:00 – 12:00

Ecology and Evolution L

BIOLOGICAL & GEOLOGICAL SCIENCES BUILDING, RM 1056

11:00 – 11:15, Sunday, March 24th, B&GS 1056

Haylee Begin-Dyck - University of Windsor

HABITAT, SEASON, AND VOCAL BEHAVIOUR OF NOCTURNAL BIRDS IN A NEOTROPICAL DRY FOREST

11:15 – 11:30, Sunday, March 24th, B&GS 1056

Brighten Ching - Wilfrid Laurier University

MODELLING SONG ASSIMILATION AND TRANSMISSION IN WHITE-THROATED SPARROWS (*ZONOTRICHIA ALBICOLLIS*)

11:30 – 11:45, Sunday, March 24th, B&GS 1056

Charlotte Kruger - University of Western Ontario

THE EFFECTS OF PHOTOPERIOD AND TEMPERATURE ON REPRODUCTIVE READINESS IN BLACK-CAPPED CHICKADEES (*POECILE ATRICAPILLUS*)

11:45 – 12:00, Sunday, March 24th, B&GS 1056

Rebecca Whiley - University of Western Ontario

CARRY-OVER EFFECTS OF CHRONIC STRESS AND ENVIRONMENTALLY RELEVANT MERCURY EXPOSURE ON MIGRATORY BEHAVIOUR IN SONG SPARROWS, *MELOSPIZA MELODIA*

Sunday March 24th 2019

Concurrent Session IV

11:00 – 12:00

Ecology and Evolution M

PHYSICS & ASTRONOMY BUILDING, RM 34

11:00 – 11:15, Sunday, March 24th, P&A 34

Jona Gjevori - University of Toronto

POTENTIAL EVIDENCE SUPPORTING *HALICTUS CONFUSUS* AS AN OBLIGATELY SOCIAL SPECIES FOUND AT ITS NORTHERNMOST RANGE IN ALBERTA

11:15 – 11:30, Sunday, March 24th, P&A 34

Tanya Irani - Wilfrid Laurier University

DETERMINING SPECIES LEVEL COMPLIANCE IN COMPLETE GENOMES OF *E. COLI*

11:30 – 11:45, Sunday, March 24th, P&A 34

Emily Purvis - University of Western Ontario

DON'T BE A BUZZ KILL: AGRICULTURAL FIELD MARGINS AS BUMBLEBEE HABITAT

11:45 – 12:00, Sunday, March 24th, P&A 106

Breanna Pyott - Laurentian University

HOW ARE CANADIAN ZOOS AND AQUARIUMS CONTRIBUTING TO PEER-REVIEWED LITERATURE?

Sunday March 24th 2019

Concurrent Session IV

11:00 – 12:00

Cell and Molecular Biology M

PHYSICS & ASTRONOMY BUILDING, RM 36

11:00 – 11:15, Sunday, March 24th, P&A 36

Maverick Aradanas - Ryerson University

CONSTRUCTING PLASMID MAPS USING DNA SEQUENCE DATA FROM WILD-TYPE CULTURES
ISOLATED FROM WASTEWATER TREATMENT PLANTS

11:15 – 11:30, Sunday, March 24th, P&A 36

Alycia Crooks - University of Western Ontario

CERTAIN GENE REGIONS OF THE HUMAN GENOME HAVE A DISTINCT SEQUENCE COMPOSITION

11:30 – 11:45, Sunday, March 24th, P&A 36

Donovan McDonald - University of Western Ontario

NOVEL BIOINFORMATICS APPROACH TO EXAMINE THE RELATIONSHIP BETWEEN
HETEROZYGOSITY AND NEW DELETIONS AND DUPLICATIONS

11:45 – 12:00, Sunday, March 24th, P&A 36

Mary Anne Panoyan - Laurentian University

CHARACTERIZATION OF SPECIES – DIAGNOSTIC ISSR AND SCAR DNA MARKERS DIFFERENTIATING
RED MAPLE (*ACER RUBRUM*) AND SILVER MAPLE (*A. SACCHARINUM*)

Sunday March 24th 2019

Concurrent Session IV

11:00 – 12:00

Physiology and Biochemistry G

PHYSICS & ASTRONOMY BUILDING, RM 148

11:00 – 11:15, Sunday, March 24th, P&A 148

Andrew Bell - University of Western Ontario

INVESTIGATING THE ROLE OF NAD SYNTHETASE 1 IN EARLY *XENOPUS LAEVIS* DEVELOPMENT

11:15 – 11:30, Sunday, March 24th, P&A 148

Abdulrahman Hamdoon - University of Windsor

ELECTROPORATION OF CELLS IN THE PERIPHERAL OLFACTORY ORGAN IN *PETROMYZON MARINUS*

11:30 – 11:45, Sunday, March 24th, P&A 148

Agatha Tymczak - University of Toronto Mississauga

SPECTROSCOPIC CHARACTERIZATION THE REGULATORY REGION OF YEAST CADMIUM FACTOR 1

11:45 – 12:00, Sunday, March 24th, P&A 148

cancelled

Sunday March 24th 2019

Concurrent Session IV

11:00 – 12:00

Physiology, Behaviour and Science Education O
PHYSICS & ASTRONOMY BUILDING, RM 106

11:00 – 11:15, Sunday, March 24th, P&A 106

Caroline Luszawski – University of Western Ontario

IF YOU GIVE A RAT AN IPAD: OPTIMIZATION OF A MULTIMODAL TEMPORAL ORDER JUDGEMENT TASK USING TOUCHSCREENS

11:15– 11:30, Sunday, March 24th, P&A 106

Alina Tsimbaliouk - Ryerson University

BEEF FROM GRASS-FED CATTLE CONTAINS A HIGHER CONTENT OF ALPHA-LINOLENIC ACID (ALA), AND CONSEQUENTLY A HIGHER RATIO OF OMEGA-3: OMEGA-6 FATTY ACIDS, THAN BEEF FROM GRAIN-FED CATTLE

11:30 – 11:45, Sunday, March 24th, P&A 106

Princess Vergara - University of Windsor

BEHAVIOURAL ANALYSIS OF SEA LAMPREY (*PETROMYZON MARINUS*) UPON EXPOSURE TO DEAD TROUT WATER

11:45 – 11:30, Sunday, March 24th, P&A 106

Parmveer Mundi - University of Western Ontario

IS THERE A GENDER ACHIEVEMENT GAP IN INTRODUCTORY SCIENCE COURSES AT WESTERN?

Sunday March 24th 2019

Concurrent Session IV

11:00 – 12:00

Physiology and Biochemistry H

PHYSICS & ASTRONOMY BUILDING, RM 150

11:00 – 11:15, Sunday, March 24th, P&A 150

Maryum Chaudhry - University of Windsor

ROLE OF FRAGILE X MENTAL RETARDATION PROTEIN IN DROSOPHILA COURTSHIP
CONDITIONING

11:15 – 11:30, Sunday, March 24th, P&A 150

Fu-Tsuen Lee - University of Toronto

USING FEV1/FVC AS A PREDICTOR TO SKIP EARLY DOSES IN METHACHOLINE CHALLENGE

11:30 – 11:45, Sunday, March 24th, P&A 150

Mickenzie Martin - University of Western Ontario

LOSS OF ACTIVATING TRANSCRIPTION FACTOR 3 REDUCES THE SEVERITY OF INDUCED CHRONIC
PANCREATITIS IN MICE

11:45 – 12:00, Sunday, March 24th, P&A 150

Mark Zaidi - Ryerson University

USE OF IMAGE ANALYSIS TO QUANTIFY HYPOXIA AND PROLIFERATION RELATIVE TO VESSEL
DISTANCE

Sunday March 24th 2019

Concurrent Session IV

11:00 – 12:00

Ecology and Evolution N

PHYSICS & ASTRONOMY BUILDING, RM 117

11:00 – 11:15, Sunday, March 24th, P&A 117

Jen Baron - University of Western Ontario

SECONDARY INVASION? INTERACTING EFFECTS OF THE EMERALD ASH BORER (*AGRILUS PLANIPENNIS*) AND ECOLOGICAL INTEGRITY ON INVASIVE SHRUB ESTABLISHMENT

11:15 – 11:30, Sunday, March 24th, P&A 117

Lindsay Daly - University of Western Ontario

TIMING AND FREQUENCY OF AVIAN PREDATION ON GOLDENROD GALL FLIES (*EUROSTA SOLIDAGINIS*)

11:30 – 11:45, Sunday, March 24th, P&A 117

Jordan deBoer - McMaster University

MODELLING INVASIVE *PHRAGMITES* BIOMASS AND LIVE:DEAD SHOOT RATIO USING WORLDVIEW-3.

11:45 – 12:00, Sunday, March 24th, P&A 117

Emilie Mikhail - University of Windsor

MATERNAL STRESS EXPOSURE AND CLIMATE CHANGE EFFECTS ON SOCIAL BEHAVIOURS IN CHINOOK SALMON FRY