

PHAR 499

Student	Supervisor	Poster Title
Cornell, Heidi	Amer Johri	Shared Decision-Making in Athletes Diagnosed with a Cardiovascular Condition - A Scoping Review
Remtulla, Aasiya	Don Maurice	Investigating the adipogenic potential of human adipose derived mesenchymal stem cells in response to differentiation media and DHA
Cheng, Camilyn Schwey-Yi	Jagdeep Walia	
Fowler, Mia	Jagdeep Walia	Polymeric nanoparticle-mediated gene delivery of Extracellular Superoxide Dismutase (EcSOD) reduces superoxide species in-vitro
Liang, Caroline Ning	Jagdeep Walia	Effect of AGAT and GAMT on creatine synthesis and guanidinoacetic acid accumulation in a cellular model of GAMT deficiency
Mocherniak, Abby	Louise Winn	Perturbations to Placental Growth & Development in CD-1 Mice Following <i>in utero</i> Valproic Acid Exposure
Nash, Cassidy	Louise Winn	Benzene's Effect on Placental DNA Repair Genes
Sas, Alexandra	Louise Winn	Possible mechanism of teratogenesis? VPA may reduce DNA methylation in CD1 mouse placental DNA
Durocher, Emma	Terence Ozolins	Investigating Rat Embryonic Calcium Deposition in Response to Inhibition of Vitamin K Activity
Eckler, Jane	Terence Ozolins	B-Mode and M-Mode Ultrasounds Show Differential Abilities to Detect Abnormal Cardiac Function in Neonatal Rat Hearts
Ioannou, Julia	Terence Ozolins	Changes in Calcium Deposition in GD12 Rat Yolk Sacs Due to Warfarin-Induced Vitamin K Deficiency

PHGY 499

Student	Supervisor	Poster Title
Williamson, Matthew	Amer Johri	Community-to-Institution Athletic Cardiovascular Screening: Electrocardiogram Workflow Model Validation Study
Cornell, Heidi	Amer Johri	Shared Decision-Making in Athletes Diagnosed with a Cardiovascular Condition: A Scoping Review
Shastry, Abhishek	Kimberely Dunhamsnary and Charles Hindmarch	Mitochondrial DNA-dependent changes in lipid transport and metabolism in skeletal muscle
Wilkinson, Mia	Kimberely Dunhamsnary and Charles Hindmarch	Transcriptome Analysis of Subcutaneous and Visceral White Adipose Tissues in C3H/HeN
Piepjohn, Hollie	Mark Ormiston	Investigating the contribution of <i>Bmpr2</i> loss to tumour vascularization and growth in a mouse model of metastatic breast cancer
Sherrington, Fiona	Nader Ghasemlou	Circadian rhythms of osteoarthritis-related chronic pain: What we can learn from previous EMA studies
Gill, Isha	Nader Ghasemlou and Mohammad El Diasty	Non-Pharmacological Management of Cardiac Surgical Patients
Mann, Sarah	Nader Ghasemlou and Mohammad El Diasty	Involvement of CCL17 and CCL22 Signalling via CCR4 in Pain Responses
Trus, Ryan	Nader Ghasemlou and Mohammad El Diasty	A Review of The Clinical Use of Pentoxifylline as an Angiogenesis Inhibitor
Dawson, Dana	Qingling Duan	Impact of human milk fatty acids on human milk microbiota and risk of asthma among breastfed infants
Lee, Kevin	Shetuan Zhang	Investigating the Effects of Remdesivir on Mutant G601S hERG Channels
Wall, Erika	Shetuan Zhang	Mechanism of hERG mutation associated long QT syndrome identified in patients at the Kingston General Hospital
Schincariol, Hailey	Stephen Vanner	Novel pH sensitive opioid analgesic for the treatment of colitis-induced pain

MICR 499

Student	Supervisor	Poster Title
Davis, Abbie	Anne Ellis	Analysing Phenotypes Post-Exposure in Allergic Rhinitis (APPEAR): Retrospectively Comparing Phenotype Distributions of Different Allergens in the Environmental Exposure Unit (EEU) and Nasal Allergen Challenge (NAC)
Joy, Sydney	Anne Ellis	Deconstructing the Atopic March: the Role of Cutaneous Sensitization in Allergic Rhinitis and Peanut Allergy
Rougier, Elise	Bruce Banfield	Investigating HSV-2 Us3 Interaction Partners
Siwak, Kimberley	Che Colpitts	Elucidating the Role of Cellular Glycans in the Entry of Pre-Emergent Bat Coronaviruses
Walsh, Taylor	Che Colpitts	The role of cellular cyclophilins in coronavirus innate immune evasion
Card, Adam	Christopher Lohans	Characterization and Quantification of the β-lactam Degradation Capabilities of New Delhi Metallo-β-lactamase 1 Containing Outer Membrane Vesicles
Greiss, Patrick	Christopher Lohans	Characterization of <i>P. aeruginosa</i> gene <i>poxA</i> in the context of antibiotic resistance
Yamamoto, Shota	Christopher Lohans	Validation of Luminescent-Based and Construction of Colourimetric-Based Biosensor for the Rapid Detection of Beta-Lactamase-Producing Bacteria
Bohonos, Brenna	Inka Brockhausen	
Colpitts, Lauryn	Inka Brockhausen	Neuroprotective Effects of Mesencephalic Astrocyte-Derived Neurotrophic Factor: A Stem Cell-Derived Model of Parkinson's Disease
Steiner, Olivia	Inka Brockhausen	The Role of Dolichol in α-Synuclein Aggregation and Toxicity
Green, Rachel	Andrew Winterborn	The Effect of Anesthesia on Gut Microbiome Diversity and Abundance in Mice.
Shao, Catherine	Katrina Gee	Interleukin-27 Increases STAT1 and STAT3 Signalling in PMA-THP-1 Macrophages During Influenza A Virus Infection
Brownlee, Emma	Lindsay Fitzpatrick	Human and mouse macrophage response to human recombinant high mobility group box 1 (HMGB1)
Dent, Jayne	Nader Ghasemlou	Advanced Dynamic Weight Bearing as an observer-independent measure of acute pain
Khan, Adam	Peter Davies	Identification of the <i>Granisotoma rainieri</i> Antifreeze Protein's Ice-Binding Surface
Lee, Jocelyn	Peter Davies	Structure-function relationships in ice nucleation proteins
Aitkens, Madison	Prameet Sheth	Examining the Differences in the Nasal Microbiota of SARS-CoV-2 Infected Individuals with Alpha, Delta and Omicron Variants
Brown, Maddie	Prameet Sheth	Investigating Impacts of 17BIPHE2 on Opportunistic Pathogens within the Female Genital Tract
Greenlaw, Jill	Prameet Sheth	Evaluating the Impact of a Novel Treatment for <i>Clostridioides difficile</i> Infection on the Murine Gastrointestinal Microbiota
Whittaker, Reese	Sam Basta	Investigating the Role of Granulocyte Macrophage – Colony Stimulating Factor in Macrophage Polarization and Their Response to Viral Infection

CANC 499

Student	Supervisor	Poster Title
Alabi, Nikolay	Amber Simpson	Molecular Subgroups Identified by Machine Learning Facilitate Accurate Prognostication of Head and Neck Cancer
Carew, Madeleine Rose	Christopher Nicol	The Role of PPAR γ in Ductal Carcinoma <i>in situ</i> (DCIS) and Invasive Ductal Carcinoma (IDC)
Slotman, Ava Michaela	David Berman	Nuclear morphometry as a tool for refining diagnostic categories in bladder cancer pathology
Fu, Cassidy	David Berman and Paolo Nasute Fauerbach	Breast Cancer Screening and Overdiagnosis of Low-Grade Ductal Carcinoma in Situ (DCIS) for Women of Average Risk
Opoka, Monica	Edmond Chan	Exploring Neddylation as a Target for Triple-Negative Breast Cancer Treatment - The Potential Role of Mitochondrial Dynamics
Offenheim, Rachel	Edmond Chan	Exploring the role of the mitochondria in breast cancer: Opa1 in apoptosis
Emon, Isaac	Harriet Feilotter	Exploring clonal hematopoiesis of indeterminate potential (CHIP) as a predictive biomarker in patients with advanced melanoma
Torretto, Gabby	Harriet Feilotter	Assessing the Validity of <i>NOTCH3</i> Somatic Mutations in Non-Small Cell Lung Cancer
Doherty, Hannah	Lynne Postovit	Elucidating the Antitumourigenic Role of the Embryogenic Protein Nodal in Thyroid Cancer
Perron, Cierra	Lynne Postovit	The Effects of Three-Dimensional Culturing on the Integrated Stress Response and Senescence in High Grade Serous Ovarian Carcinoma
Wyman, Cole	Samuel Silver	
Schincariol, Emma	Scott Davey	The antineoplastic effects of Metformin on Colorectal Cancer in the HT-29 cell line
Massey, Nicole	Scott Davey	Understanding Citation Metrics to Create a New Weighted Metric and Determine the Correlation Between Productivity and Funding
Lyons, Hannah	Sheela Abraham	Assessing Nanoparticle Enrichment Protocols to Isolate Extracellular
Mason, Emily	Sheela Abraham	Fundamental Changes in Human HSCs During Aging
Ptack, Adam	Sheela Abraham	Lysosomal Changes in Human HSCs During Aging
Choi, Angela (Seungah)	Tricia Cottrell	Investigating Biomarkers to Improve Prediction of Outcome to Anti-PD-1 Therapy in Non-Small Cell Lung Carcinoma
Mataj, Michelle	Tricia Cottrell	Investigating the presence of subclonal EMT in epithelioid malignant pleural mesothelioma
Morse, Pablo	Tricia Cottrell	Proportionately Sampling the Immune Infiltration of Tumours in Squamous Cell Carcinoma

PATH 499

Student	Supervisor	Poster Title
Korovina, Maria	Anna Panchenko	A search and analysis of analogous protein-DNA complex structures based on the binding interface of the linker histone with the nucleosome
Smith, Sarah	Anna Panchenko	DNA Methylation and Nucleosome Positioning Patterns in Normal and Breast Cancer Tissues
McFarlane, Matti	David Berman	Breast Cancer Diagnosis for Women of Average Risk in Southeastern Ontario
O'Donnell, Meaghan	David Lillcrap	Role of the Hippo Pathway in von Willebrand Factor Gene Expression
Halls, Shannon	Jeannie Callum	Quality Improvement Plan: Optimizing Usage and Minimizing Wastage of Albumin at KHSC
Cooper, Megan	Jeannie Callum	Optimization of perinatal and neonatal cord blood bank testing: transitioning from a universal testing protocol to a selective testing strategy
Rouselle, Emma	Kathrin Tyryshkin and David LeBrun	Application of Gene Set Enrichment Analysis to Identify Signaling Pathways Driving DLBCL Response to RCHOP Treatment
Chu, Korinna	Lois Mulligan	Investigating the Effects of RET Receptor Interactions with HRS on Intracellular Trafficking
Ostromecki, Courtney	Lois Mulligan	Investigating CRK's Role in RET-Mediated Functions
Barter, Bronwen	Lois Mulligan	RET Interactions with SH2 Domain Containing Proteins.
Choudhri, Yasmeen	Michael Rauh	Clonal Hematopoiesis of Indeterminate Potential May Increase Risk of Critical COVID-19 Illness
Sadh, Sanathan	Michael Rauh	Impact of Tet2 on the Expression of Endogenous Elements (ERV's) and the Interferon Response
Mayotte, Harrison	Neil Renwick	MicroRNA-375 as a Biomarker for Neuroendocrine Neoplasms Using Chromogenic <i>in situ</i> Hybridization
Dmytryk, Natasha	Peter Greer	Enhancing Anti-Tumour CD8+ T-cell Responses by Targeting Fes in Antigen Presenting Cells
Myers, Zoe	Peter Greer	Designing a biosensor for CAPN8 and CAPN9 PEF domains to study calpain interactions and the effectiveness and specificity of calpain-2 inhibitors
Tibouti, Leila	Prameet Sheth	Evaluating the activity of antimicrobial peptide 17BIPHE2 on bacterial organisms of the Female Genital Tract
Neill, Aidan	Susan Crocker	
Kelly, Tynan	Xiaolong Yang	Development of an Inducible CRISPR System to Efficiently Knockout GSDMD in Human Mammary Cells
Wigglesworth, Alison	Xiaolong Yang	Development of Novel Bioluminescent Biosensors to Monitor the Cleavage and Activity of GSDMD During Pyroptosis in Breast Cancer Cells

NSCI 499

Student	Supervisor	Poster Title
Pepper, Jordan	Boehnke, Gallivan, Winterborn	The Effects of Social Isolation on Vasopressin and Social Brain Structure in Macaques: An Exploratory Analysis
Sly, Hannah	Boehnke, Gallivan, Winterborn	An investigation of how changes in social environment impact on neuroendocrine function and cortical neuroanatomy in macaques
Ellsay, Andrea	David Andrew	
Wijekoon, Sachitha	David Andrew	High glutamate concentration evokes a propagating depolarization
Wolkoff, Sophie	David Andrew	Optimizing Brain Slicing Temperature for Rodent Stroke Models
Kim, Caroline	Doug Munoz	Beta-band neural synchrony between frontal and parietal regions communicates social content of visual scenes
Pitigoi, Isabell	Doug Munoz	Age, gender, and task modulation of eye blink behaviour in humans
Stuart, Devon	Douglas J. Cook	Repeated sub-concussive exposures: linking tissue deformation and behavioural function
Makwana, Aditii	Garima Shukla	Association of Early Onset Psychiatric Disorders with REM Sleep Behavior Disorder/REM Sleep without Atonia -- A Retrospective Study
Milutinovic, Jovana	Garima Shukla	Determinants of quality of life among patients diagnosed with Restless legs syndrome at a tertiary level Canadian Sleep Neurology
Ravishanker, Kasthuri	Garima Shukla	
x Petrauskaite, Fausta	James Reynolds	Health Nexus-Funded Fetal Alcohol Spectrum Disorder Community Support Groups in Ontario: An Analysis of the Evolution and Impacts on Support Group Participants
Zhang, Melody	James Reynolds	The Fetal Alcohol Resource Program: Analysis of Supports Provided to Individuals and Families Impacted by FASD
Cakmakci, Batu	Kerstin de Wit	How do physicians test for deep vein thrombosis?
Kraft, Rhys	Kerstin de Wit	Evaluating the association between emergency physician gender and head computed tomography orders in older adults
Boyle, Amy	Michael Hendry	A mouse median nerve model to evaluate peripheral nerve regeneration
Watson-Boehnisch, Griffin	Michael Hendry	Testing efficacy of Gefitinib induced nerve regeneration of peripheral nerves in mouse median nerve models
Nakouzi, Matthew	Alastair Ferguson	
Misner, Beth	Eric Dumont	
Thomson, Ninan	Eric Dumont	
Wilmore, Aislinn	Eric Dumont	
Falby, Madeleine	Gavin Winston	Establishing Standardized Clinical fMRI Paradigms to Lateralize Language in Patients with Epilepsy
Shore, Abigail	Gordon Boyd	Analysis of the Association Between Optimal Mean Arterial Pressure and Delirium in ICU Patients

	Ricci, Nick	Michael Kawaja	Spatiotemporal Embryonic Nerve Growth Factor Expression in Developing Mice Bone and Its Relationship to Chronic Pain
	Zahra, Serena	Michael Kawaja	Investigating the Consequences of Amyloid-β Load in TgCRND8 Mice
	Zhang, Peng Fei	Michael Kawaja	Investigating circadian control of neuropathic pain with 2-dimensional gel electrophoresis and spared nerve injury in global BMAL1 knockout mice
	Masotti, Bruce	Nader Ghasemlou	Circadian Rhythm of Microglia Activation Within the Mouse Brain
	Imtiaz ,Tashifa	Neil Renwick	
	Mirsu, Diana	Neil Renwick	Identifying Candidate Targets of miR-375 in Lung Neuroendocrine Carcinoid Cells
	Martin, Chloe	Patrick Stroman	
	Keshen, Emma	Roman Milev	The Effects of Probiotics on Quality of Life and Functioning in Patients with Major Depressive Disorder
	Storer, Ana	Roman Milev	The Neural Mechanisms of Repetitive Thought and Autobiographical Memory Processes
	Buehner, Benjamin	Roman Milev/Arthi Chinna Meyyappan	
	Buso, Chloe	Stephen Scott	

EPID 499

Student	Supervisor	Poster Title
Datta, Rohini	Amber Simpson, Karen Yeates	Implementation of mHealth for the detection and management of pre-eclampsia: a cluster randomized trial
Macrae, Kathryn	Ana Johnson	Qualitative Evaluation of the Implementation of Health Links in Southeastern Ontario
Mahal, Shaan	Ana Johnson	
Rabi, Sarah	Ana Johnson	Post-discharge opioid use following lumbar spine surgery in older adults in Ontario: a population-based cohort study
Hopkin, Teely	Brooke Linden	Do First Generation Post-Secondary Students Face More Psychological Distress Than Their Continuing Generation Peers
Morris, Nicole	Drs. Melanie Walker, Susan Bartels	
Cadeau, Patricia	Heather Stuart	Psychological Distress in Patient-Facing Health Care Workers Vs the General Population During COVID-19
Krug-Mushey, Alexandra	Heather Stuart	Psychosocial distress in parents vs non-parents during the COVID-19 pandemic
Hildebrandt, Emma	Helene Ouellette-Kuntz	The Association Between Cancer and Psychosocial Distress Among Adults with Intellectual and Developmental Disabilities (IDD)
Healey, Claire	Susan Bartels	Association Between Gender and Perception of Child Marriage Among Syrian Refugees in Lebanon
Maskery, Mackenzie	Susan Bartels	Association Between Peacekeeper-Perpetrated Sexual Exploitation & Abuse and Life Satisfaction in Haiti
Costello, Fiona	Susan Phillips	The Meaning of Measures: Youth and Mental Health

REPD 499

Student	Supervisor	Poster Title
Spiess, Katie	Chandra Tayade	Influence of THC and CBD on Cell Growth with Implications in Endometriosis and Decidualization
Aleksieva, Stanimira	Chandra Tayade	TSLP Contributes to Endometriotic Lesion Maintenance and Macrophage Polarization
Kim, Robyn	Charles Graham	The investigation of innate immune memory in complications resulting from aberrant inflammation during pregnancy
Toews, Alexa	Charles Graham	Transgenerational effects of aberrant inflammation in pregnancy on the expression of placental amino acid transporters
Jones, Allie	David Natale	Localization of Cannabinoid Receptors in the Mouse Placenta
Krawczyk, Aleksandra	David Natale	The Effects of PIGF/NRP1 Signaling on Trophoblast Cells in the Mouse Placenta
McGinnis, Avery	David Natale	The Relationship between Sca-1 and TGFbeta in Mouse Trophoblast Stem Cells
Hamill, Kate	Fred Kan	Exploring the mechanism of tacrolimus in enhancing migration of trophoblasts during implantation
Charland, Danielle	Graeme Smith	10-Year Review of the Postpartum Maternal Health Clinic at the Kingston Health Sciences Centre
Penfound, Sydney	Maha Othman	
Saville, Olivia	Maha Othman	The Impact of Sex on D-Dimer Levels and Disease Outcomes in Hospitalized COVID-19 Patients: A Systematic Review and Meta-analysis
Seiler, Carlee	Olga Bougie	Investigating the Potential Connection Between Endometriosis and Cardiovascular Disease

BCHM 422

Student	Supervisor	Poster Title
Abbott, Jon	Andrew Craig	Investigating the Role of chromosome 19 micro-RNA cluster expression
Feng, Yan	Avena Ross	Characterizing of Tambjamine BE-18591 Dodecyclamine (DDA) Biosynthetic Enzyme
Golds, Alex	Chantelle Capicciotti	Site-Specific Glyco-Engineering to Develop Antibody-Drug Conjugates
Collier, Emma	Chris Mueller	Immune Signature in Non-small Cell Lung Cancer
Falconer, Dylan	Chris Mueller	DNA Methylation Based Liquid Biopsy for Detecting Prostate Cancer
Konermann, Marietta	Chris Mueller	DNA Methylation Based Liquid Biopsy for Detecting Pancreatic Cancer
McEwen, Mairead	Chris Mueller	Methods of Methylation Detection for Breast Cancer Liquid Biopsy
Hendrikx, Vincent	Ed Chan	
Petkovic, Andrea	John Allingham	Dissection of the ATPase cycle of kinesin-8 at the microtubule plus end
Dufresne, Catherine	Mark Ormiston	Investigating the impact of BMPR-II loss on canonical signalling and BMP-9 induced angioproliferation
Booker, Aidan	Nader Ghasemlou	Circadian Control of Nociception Associate Genes in the Naïve State
Sivilotti, Lorenzo	Peter Davies	
Wu, Ben Hwa-Young	Wayne Snedden	Calcium Transduction Signaling: Investigating CML 13 & 14
Lehotsky, Kirsten	Zongchao Jia	Characterization of a Novel Post-Translational Modification of Histidine Residues by Inorganic Polyphosphate