

APPENDIX A

GRANTS, CONTRACTS, CLINICAL TRIALS and SALARY AWARDS

April 2023 - March 2024



PI Name (Fellow Name)	Sponsor	Program	Amount Funded	Project Title	Award Type	Sector
Bernatchez, Pascal (Evans, Alexandria)	MITACS Inc.	Accelerate	\$50,000	Reverse engineering the SARS-CoV2 virus variants for the rational design of anti-COVID therapeutics	Grant	Non-Profit
Boyd, John	AM-Pharma BV		\$4,880	A randomized, double-blind, placebo-controlled, two-arm parallel-group, multi-center Phase 3 pivotal trial to investigate the efficacy and safety of recombinant human alkaline phosphatase for treatment of patients with sepsis-associated acute kidney injury	Sponsor-Initiated Clinical Trial	Industry
Boyd, John	Bayer Inc. (Canada).		\$3,200	Safety and efficacy of inhaled pegylated adrenomedullin (PEG-ADM) in patients suffering from Acute Respiratory Distress Syndrome (ARDS): a double-blind, randomized, placebo-controlled, multicenter Phase 2a/b clinical trial	Sponsor-Initiated Clinical Trial	Industry
Brunham, Liam	CIHR	Project Grant	\$122,400	CETP inhibition as a novel treatment to remove pathogen lipids and improve survival in sepsis	Grant	Government
Brunham, Liam	CRC	Canada Research Chair Tier II (CIHR)	\$100,000	Precision Cardiovascular Disease Prevention	Salary	Government
Brunham, Liam	Novartis Pharmaceuticals Canada Inc.		\$18,272	A long-term extension trial of the phase III lipid-lowering trials to assess the effect of long term-dosing of inclisiran given as subcutaneous injections in subjects with high cardiovascular risk and elevated LDL-C	Sponsor-Initiated Clinical Trial	Industry
Brunham, Liam	Novartis Pharmaceuticals Canada Inc.		\$43,360	A randomized double-blind, placebo-controlled, multicenter trial assessing the impact of lipoprotein (a) lowering with TQJ230 on major cardiovascular events in patients with established cardiovascular disease (CVD) (HORIZON Phase III)	Sponsor-Initiated Clinical Trial	Industry
Brunham, Liam	Novartis Pharmaceuticals Canada Inc.		\$24,000	CEPHEUS - Achievement of Lipid Targets in Patients with Premature Atherosclerotic Cardiovascular Disease in Canada	Contract	Industry
Brunham, Liam	Novartis Pharmaceuticals Canada Inc.		\$25,639	A randomized double-blind, placebo controlled, multicenter trial, assessing the impact of inclisiran on major adverse cardiovascular events in participants with established cardiovascular disease (VICTORION-2 PREVENT)	Sponsor-Initiated Clinical Trial	Industry
Brunham, Liam (Deng, Eric Haoyu)	MSHRBC	Research Trainee Award: Post-Doctoral Fellowship	\$20,625	Cholesteryl ester transfer protein-mediated regulation of HDL cholesterol levels and clinical outcomes in sepsis	Grant	Government
Brunham, Liam (Huang, Kate)	CIHR	CIHR Doctoral Research Award	\$70,000	Investigating atrial fibrillation caused by titin variants using patient induced pluripotent stem cell-derived atrial cells	Grant	Government
Brunham, Liam	AMGEN Canada Inc.		\$1,216	A Multicenter, Cross-sectional Study to Characterize the Distribution of Lipoprotein(a) Levels Among Patients With Documented History of Atherosclerotic Cardiovascular Disease (ASCVD)	Sponsor-Initiated Clinical Trial	Industry
Brunham, Liam	Genome British Columbia	Data Access, Integration and Analysis Program	\$248,764	Clinical utility of using genomic data to assess cardiovascular risk and guide lipid-lowering therapy in patients with high risk of premature cardiovascular disease	Contract	Non-Profit
Brunham, Liam	PHC		\$10,000	The Advancing Cardiac Care Unit-based Rapid Assessment and Treatment of hypercholesterolemia (ACCURATE) study	Contract	Non-Profit
Brunham, Liam	St. Paul's Hospital		\$10,000	The Advancing Cardiac Care Unit-based Rapid Assessment and Treatment of hypercholesterolemia (ACCURATE) study	Contract	Government
Brunham, Liam	UBC VPRI	Research Facility Support Grant	\$43,873	Molecular Phenotyping Core Laboratory Gallios flow cytometer laser repair	Grant	Non-Profit
Brunham, Liam (Vaizman, Nicol)	CIHR	Canadian Consortium of Clinical Trial Training (CANTRAIN)	\$10,938	CANTRAIN-CCTP Studentship	Grant	Government
Camp, Pat	CIHR	Team Grant	\$399,993	SPIRO: Spirometry for Improved Indigenous and Rural Respiratory Outcomes	Grant	Government
Camp, Pat	CIHR	Project Grant	\$136,718	Wildfire smoke and emergency planning for First Nations people living with lung disease in remote and rural British Columbia	Grant	Government
Camp, Pat	St. Paul's Hospital		\$10,000	Lifetime Passive Smoke Exposure Measurement in Chronic Obstructive Pulmonary Disease	Grant	Non-Profit

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Carlsten, Chris	CIHR	Project Grant	\$179,316	Traffic-related pollution, inhaled corticosteroids and host defence response in COPD (APIC)	Grant	Government
Carlsten, Chris	CIHR	Project Grant	\$96,171	Does Traffic-Related Air Pollution Reduce the Effectiveness of Costicosteroids in Asthma (DIGR)	Grant	Government
Carlsten, Chris	CRC	Canada Research Chair Tier II (CIHR)	\$100,000	Occupational and Environmental Lung Disease	Salary	Government
Daley, Denise (Vasileva, Denitsa)	CIHR	Travel Awards Institute Community Support	\$1,200	Development of New Epigenetic Clocks Using Targeted Methylation Sequencing	Grant	Government
DeMarco, Mari	British Columbia Ministry of Health	Innovation Pathway	\$50,000	A blood test for Alzheimer's disease	Grant	Government
DeMarco, Mari	MSHRBC	Scholar Award	\$90,000	Advancing Healthcare Diagnostics for Neurodegenerative Disorders	Salary	Government
DeMarco, Mari	CIHR / Canadian Consortium on Neurodegeneration in Aging	Knowledge Translation Exchange Program	\$10,000	On-demand continuing medical education on Alzheimer's CSF biomarkers	Contract	Government
DeMarco, Mari (Handen, Jordan)	MSHRBC	Research Trainee Award: Post-Doctoral Fellowship	\$6,389	In vitro diagnostics for frontotemporal dementia	Grant	Government
DeMarco, Mari (Helbling, Cyril)	CIHR / Canadian Consortium on Neurodegeneration in Aging	Trainee Research Support Program	\$1,000	Diagnostic performance of a-synuclein seeding amplification assays using cerebrospinal fluid, skin, and olfactory mucosa: a meta-analysis	Grant	Non-Profit
DeMarco, Mari (Helbling, Cyril)	Parkinson Switzerland		\$27,000	Advancing Biomarker Diagnostics for Early Detection of Synucleinopathies	Grant	Non-Profit
Dorscheid, Delbert	MSHRBC	Health Professional-Investigator Award	\$90,000	IgE-mediated inflammation generated by the airway epithelium is antigen independent - a cause of a novel asthma phenotype	Salary	Government
Dorscheid, Delbert (Guo, Tony)	CIHR	CGS-M	\$17,500		Grant	Government
Dorscheid, Delbert	AstraZeneca Canada Inc.		\$4,756	Patient Outcomes Real World Evidence Registry (POWER): A Non-Interventional Post-Authorization Primary Data Collection Study of FASENRA (benralizumab) in Adult Patients with Severe, Eosinophilic Asthma	Sponsor-Initiated Clinical Trial	Industry
Dorscheid, Delbert	AstraZeneca Canada Inc.		\$32,634	A Randomized, Double-Blind, Double Dummy, Parallel Group, Multicenter 24 to 52 Week Variable Length Study to Assess the Efficacy and Safety of Budesonide, Glycopyrronium, and Formoterol Fumarate Metered Dose Inhaler (MDI) Relative to Budesonide and Formoterol Fumarate MDI and Symbicort Pressurized MDI in Adult and Adolescent Participants with Inadequately Controlled Asthma (KALOS)	Sponsor-Initiated Clinical Trial	Industry
Dorscheid, Delbert	Sanofi-Aventis Canada Inc.		\$14,078	A randomized, double-blind, placebo-controlled, parallel-group, 12 week Proof-of-Concept study to assess the efficacy, safety, and tolerability of rilzabrutinib in participants with moderate-to-severe asthma who are not well controlled on inhaled corticosteroid (ICS) plus long-acting beta2 adrenergic agonist (LABA) therapy	Sponsor-Initiated Clinical Trial	Industry
Dorscheid, Delbert	AstraZeneca Canada Inc.		\$500	Tezepelumab Efficacy and Safety in Reducing Oral Corticosteroid Use in Adults with Oral Corticosteroid Dependent Asthma Study (SUNRISE)	Sponsor-Initiated Clinical Trial	Industry
Dorscheid, Delbert	AstraZeneca Canada Inc.		\$9,715	A Two-part Phase IIa Randomised, Double-blind, Placebo controlled, Dose-ranging, Multi-centre Study to Assess Efficacy and Safety of Inhaled AZD1402 Administered as a Dry Powder Twice Daily for Four Weeks in Adults with Asthma on Medium-to-High Dose Inhaled Corticosteroids	Sponsor-Initiated Clinical Trial	Industry
Dorscheid, Delbert	Sanofi-Aventis Canada Inc.		\$16,151	A randomized, double-blind, placebo-controlled, parallel-group, dose ranging study to assess the efficacy, safety, and tolerability of subcutaneous amlitelimab in adult participants with moderate-to-severe asthma	Sponsor-Initiated Clinical Trial	Industry
Dorscheid, Delbert	AstraZeneca Canada Inc.		\$12,584	Asthma Control in Severe Asthma Patients Treated with Tezepelumab: a Prospective, Observational, Real-World Evidence Study	Sponsor-Initiated Clinical Trial	Industry
Francis, Gordon	CIHR	Project Grant	\$134,921	The importance of smooth muscle foam cells in atherosclerosis development and treatment	Grant	Government
Francis, Gordon	MSHRBC	Health Professional-Investigator Award	\$90,000	Redefining atherosclerosis: Characterizing and targeting smooth muscle cell foam cells for the treatment and prevention of coronary heart disease and stroke	Salary	Government
Francis, Gordon	Ultragenyx Pharmaceutical Inc.		\$2,375	Speaker Services re: Treatment of Homozygous FH.	Grant	Industry
Granville, David	Leo Foundation		\$133,333	Granzyme B: A Novel Therapeutic Target in Cutaneous Leishmaniasis	Grant	Non-Profit
Granville, David	CIHR	Project Grant	\$174,420	Novel mechanisms and therapeutic approach for aging-related pruritus	Grant	Government

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Guenette, Jordan	NSERC	Discovery Grants Program - Individual	\$47,000	Sex-differences in respiratory sensation and muscle function during conditions of physiological stress	Grant	Government
Guenette, Jordan (Milne, Kathryn)	MSHRBC	Research Trainee Award: Post-Doctoral Fellowship	\$49,500	Investigating sex differences in dyspnea across the spectrum of chronic obstructive pulmonary disease severity	Grant	Government
Guenette, Jordan	British Columbia Lung Foundation	Lung Health Research Grant	\$25,000	Physiological mechanisms of sex differences in exertional dyspnea and its response to therapy in patients with fibrotic interstitial lung disease	Grant	Non-Profit
Guenette, Jordan	CIHR	Project Grant	\$198,135	Physiological and morphological mechanisms of increased dyspnea in females with COPD	Grant	Government
Guenette, Jordan (Ferguson, Olivia)	CIHR	Canadian Consortium of Clinical Trial Training (CANTRAIN)	\$21,875	The effects of dietary nitrate supplementation on exercise tolerance in patients with fibrotic interstitial lung disease	Grant	Government
Hacihaliloglu, Ilker	CFI	John R. Evans Leaders Fund - Partnerships	\$395,139	Infrastructure for AI-integrated point of care ultrasound imaging for decentralized healthcare	Grant	Government
Hacihaliloglu, Ilker	NSERC	Discovery Grants Program - Individual	\$42,000	On-Device continual learning methods for point of care ultrasound	Grant	Government
Hacihaliloglu, Ilker	MITACS Inc.	Accelerate	\$30,000	Point of care ultrasound for lung and heart disease risk assessment	Grant	Non-Profit
Hacihaliloglu, Ilker (Salmanpour, Mohammad)	MITACS Inc.	Accelerate	\$60,000	Application of deep learning generative network algorithms linked with super-resolution methods and fusion techniques to improve the quality of noisy and unlabeled ultrasound images	Grant	Non-Profit
Hackett, Tillie Louise	CFI	John R. Evans Leaders Fund - Partnerships	\$200,000	Spatial Single Cell Imaging in the Lung	Grant	Government
Hackett, Tillie Louise	CFI	Infrastructure Operating Fund	\$9,375		Grant	Government
Hackett, Tillie Louise	CRC	Canada Research Chair Tier I (CIHR)	\$200,000	Asthma and chronic obstructive pulmonary disease pathobiology and therapeutics	Salary	Government
Hackett, Tillie Louise	CIHR	Project Grant	\$146,115	The contribution of sex differences to small airways disease in chronic obstructive pulmonary disease	Grant	Government
Hackett, Tillie Louise	NIH	Research Grant	\$180,788	Novel quantitative emphysema subtypes in MESA and SPIROMICS	Contract	Government
Hackett, Tillie Louise	NIH	Research Grant	\$84,474	Exploring the biology of persistent type 2 airway niches in asthma	Contract	Government
Hackett, Tillie Louise	NIH	Research Grant	\$73,895	Immune-driven airway epithelial dysfunction in micro-obstructive asthma	Contract	Government
Hackett, Tillie Louise	St. Paul's Foundation	Research Support	\$65,000	Biomolecular Pathways In Scleroderma	Grant	Non-Profit
Hackett, Tillie Louise	St. Paul's Foundation	PHCRI New Investigator Award	\$186,166		Grant	Non-Profit
Hackett, Tillie Louise (Hsieh, Aileen)	CIHR	CGS-D	\$35,000	The Role of Small Airways Disease Heterogeneity in Asthma	Grant	Government
Hackett, Tillie Louise (Goobie, Gillian)	MSHRBC	Research Trainee Award: Post-Doctoral Fellowship	\$2,708	Air pollution as a modulator of molecular, structural, and clinical outcomes in patients with fibrotic interstitial lung disease	Grant	Government
Hogg, James C. (Vasilescu, Dragos)	Francis Family Foundation	Parker B. Francis Fellowship	\$5,410	Comprehensive multi-resolution investigation of IPF pathology	Grant	Non-Profit
Koelwyn, Graeme	CRC	Canada Research Chair Tier II (CIHR)	\$120,000	Public Health Omics in Exercise and Disease	Salary	Government
Koelwyn, Graeme	CFI		\$60,000	Cardiovascular disease and its comorbidities: identifying the regulators of cross-disease communication	Grant	Government
Koelwyn, Graeme	UBC VPRI		\$5,000	Defining the immune response to endurance exercise: The UBC long-distance telethon adaptation study (ULTRA)		
Koelwyn, Graeme	PHC		\$40,000	Startup Funding	Grant	Non-Profit
Koelwyn, Graeme	SFU		\$20,000	Startup Funding	Grant	Non-Profit
Koelwyn, Graeme	St. Paul's Foundation		\$109,658	Startup Funding	Investigator-Initiated Clinical Trial	Non-Profit
Krahn, Andrew	Population Health Research Institute		\$2,890	Avoid Transvenous Leads in Appropriate Subjects (Atlas S-ICD)	Investigator-Initiated Clinical Trial	Non-Profit

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Krahn, Andrew	CIHR	Foundation Grant - Stage 2	\$573,462	Hearts in Rhythm Organization (HiRO): Improving detection and treatment of inherited heart rhythm disorders to prevent sudden death	Grant	Government
Krahn, Andrew	Lexeo Therapeutics		\$68,246	Prediction of Arrhythmic Outcomes and Disease Progression in ARVC	Contract	Industry
Krahn, Andrew	Cardiovascular Network of Canada (CANet)	CANet SEED Grant	\$50,000	Development of an ECG Digitalization Tool to Enable Machine Learning in Arrhythmia Research	Grant	Non-Profit
Laksman, Zachary	CIHR	Randomized Controlled Trials	\$20,100	Complex Genetics of Hypertrophic Cardiomyopathy: Towards an Integration of Polygenic Risk in Clinical Care	Investigator-Initiated Clinical Trial	Government
Laksman, Zachary	Genome British Columbia	Data Access, Integration and Analysis Program	\$125,000	A Multi-omics Approach to Identify Prognostic Biomarkers for Fibrosis in Hereditary Hypertrophic Cardiomyopathy	Investigator-Initiated Clinical Trial	Non-Profit
Laksman, Zachary	Stem Cell Network	Impact Award	\$124,999	Development of high-throughput assays to stratify cardiotoxic drug risk by sex and genotype	Grant	Non-Profit
Laksman, Zachary	MyoKardia, Inc.		\$18,950	A Randomized, Double-blind, Placebo-controlled Clinical Study to Evaluate Mavacamten in Adults with Symptomatic Non-Obstructive Hypertrophic Cardiomyopathy	Sponsor-Initiated Clinical Trial	Industry
Laksman, Zachary (Phulka, Jobanjit)	CIHR	Travel Grant	\$1,500	The Clinical Utility and Ancestral Diversity of Polygenic Risk Scores in Cardiometabolic Disease Risk Prediction	Grant	Government
Leipsic, Jonathon	CRC	Canada Research Chair Tier II (CIHR)	\$100,000	Advanced Cardiopulmonary Imaging	Salary	Government
Leipsic, Jonathon	Neovasc Medical Inc.		\$8,300	Feasibility Study of the Neovasc Tiara Mitral Transcatheter Heart Valve	Contract	Industry
Leipsic, Jonathon	Edwards Lifesciences LLC		\$1,521	Assess bioprosthetic leaflet characteristics and function in patients enrolled in the PARTNER 3 Trial	Contract	Industry
Leipsic, Jonathon	Edwards Lifesciences LLC		\$4,481	Evaluation of Transcatheter Aortic Valve Replacement Compared to Surveillance for Patients with Asymptomatic Severe Aortic Stenosis: EARLY TAVR trial	Contract	Industry
Leipsic, Jonathon	Edwards Lifesciences LLC		\$100,260	Pulmonic Trial (ALTERRA)	Contract	Industry
Leipsic, Jonathon	Edwards Lifesciences LLC		\$1,850	Assess the Safety and Effectiveness of the SAPIEM M3 System in Patients with Symptomatic Severe Mitral Regurgitation	Contract	Industry
Leipsic, Jonathon	Edwards Lifesciences LLC		\$10,789	Multicenter Trial of Congenital Pulmonic Valve Dysfunction Studying the SAPIEN 3 THV With the Alterra Adaptive Presept (ALTERRA)	Contract	Industry
Leipsic, Jonathon	Edwards Lifesciences LLC		\$128,571	COMPLETE TAVR	Contract	Industry
Leipsic, Jonathon	Edwards Lifesciences LLC		\$10,915	ALLIANCE AVIV Trial to Establish the Safety and Effectiveness of Balloon-expandable Bioprosthetic SAPIEN X4 Transcatheter Heart Valve in Failing Aortic Surgical Bioprosthetic Valves	Sponsor-Initiated Clinical Trial	Industry
Leipsic, Jonathon	Edwards Lifesciences LLC		\$47,439	ALLIANCE Trial to establish Safety and Effectiveness of Balloon-Expandable Bioprosthetic SAPIEN X4 Transcatheter Heart Valve	Sponsor-Initiated Clinical Trial	Industry
Leipsic, Jonathon	Edwards Lifesciences LLC		\$4,487	Early Feasibility Study of the Edwards SAPIEN 3 System with the Edwards Caval Presept for the Treatment of Reverse Caval Flow (RIGHT-FLOW)	Contract	Industry
Leipsic, Jonathon	Edwards Lifesciences LLC		\$3,872	ViV Surveillance Trial	Contract	Industry
Leipsic, Jonathon	Edwards Lifesciences LLC		\$8,635	PROGRESS TRIAL	Sponsor-Initiated Clinical Trial	Industry
Leipsic, Jonathon	Edwards Lifesciences LLC		\$8,000	DISCORDANCE TAVR	Contract	Industry
Leipsic, Jonathon	Boston Scientific Corporation		\$31,675	ACURATE IDE	Contract	Industry
Leipsic, Jonathon	Abbott Laboratories		\$38,040	Evaluation of TAVR using the NAVITOR valve in a Global Investigation (VANTAGE)	Contract	Industry
Leipsic, Jonathon	Conformal Medical, Inc		\$48,944	The CONFORM Pivotal Trial	Sponsor-Initiated Clinical Trial	Industry
Leipsic, Jonathon	VDYNE, Inc		\$21,560	VISTA and VISTA-US	Contract	Industry
Leipsic, Jonathon	Medtronic Inc.		\$22,837	Mitral 35 Fr TF EFS Clinical Trial	Sponsor-Initiated Clinical Trial	Industry
Leipsic, Jonathon	Medtronic Inc.		\$67,774	Transcatheter Mitral Valve Replacement with the Medtronic Intrepid TMVR System in Patients with Severe Symptomatic Mitral Regurgitation APOLLO Trial	Contract	Industry
Leung, Janice	NIH	Research Grant	\$505	Sphingolipids in HIV-associated chronic obstructive pulmonary disease	Contract	Government
Leung, Janice	CIHR	Team Grant: Cannabis Research in Priority Areas	\$299,905	Canadian users of cannabis smoke study (CANUCKs): Impact on lung health via clinical, imaging, and biologic measures	Grant	Government
Leung, Janice	CRC	Canada Research Chair Tier II (CIHR)	\$120,000	Translational airway biology	Salary	Government

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Leung, Janice (Hernandez Cordero, Ana Isabel)	MSHRBC	Research Trainee Award: Post-Doctoral Fellowship	\$8,521	Understanding the link between lung genomics, transcriptomics, and sex differences in COPD	Grant	Government
Leung, Janice	St. Paul's Foundation		\$60,000	HLI contribution to start-up funds	Grant	Non-Profit
Leung, Janice (Hernandez Cordero, Ana Isabel)	British Columbia Lung Foundation	Lung Health Research Grant	\$25,000	Airway immunosenescence in HIV-associated chronic obstructive pulmonary disease	Grant	Non-Profit
Leung, Janice (Peters, Carli)	CIHR	Canadian Lung Association Research Fellowship and Studentship Awards	\$40,000	Utilizing optical coherence tomography and exercise to develop novel biomarkers of respiratory impairment in people living with human immunodeficiency virus	Grant	Government
Leung, Janice	CIHR	Project Grant	\$100,000	Accelerated lung aging in people living with human immunodeficiency virus	Grant	Government
Leung, Janice (Hernandez Cordero, Ana Isabel)	CIHR	CIHR Research Excellence, Diversity, and Independence (REDI) Early Career Transition Award	\$72,500	Epigenetic and molecular regulation of aging and age-related comorbidities	Grant	Government
Luo, Honglin	CIHR	Project Grant	\$146,880	Enterovirus subversion of the autophagy pathway	Grant	Government
Luo, Honglin	NSERC	Discovery Grants Program - Individual	\$40,000	Autophagy mechanism of coronaviral infection: Lessons from enteroviruses	Grant	Government
Luo, Honglin (Mohamud, Yasir)	MSHRBC	Research Trainee Award: Post-Doctoral Fellowship	\$8,813	Innate mechanisms of viral myocarditis: Role of the cytosolic DNA-sensing pathway	Grant	Government
Luo, Honglin (Mohamud, Yasir)	St. Paul's Foundation		\$67,658	Innate mechanisms of viral myocarditis: Role of the cytosolic DNA-sensing pathway	Grant	Non-Profit
Luo, Honglin	British Columbia Lung Foundation	Lung Health Research Grant	\$25,000	Novel oncolytic virus for lung cancer treatment	Grant	Non-Profit
Luo, Honglin	CIHR	Project Grant	\$182,070	Innate immune mechanisms of viral myocarditis: Role of the cytosolic DNA-sensing pathway	Grant	Government
Luo, Honglin (Mohamud, Yasir)	CIHR	CIHR Research Excellence, Diversity, and Independence (REDI) Early Career Transition Award	\$72,500	Elucidating the intricate interplay between mitochondria, innate immunity, and viral pathogenesis in heart failure	Grant	Government
McNagny, Kelly	CIHR	Project Grant	\$237,150	Maternal exposures during pregnancy as drivers of susceptibility to allergic asthma and Th2 inflammation	Grant	Government
McNagny, Kelly	CIHR	Project Grant	\$100,000	Podocalyxin's role in tumor invasion, metastasis, and immune evasion	Grant	Government
McNagny, Kelly	CIHR	Project Grant	\$191,250	Development and functional diversity of innate lymphoid cells	Grant	Government
McNagny, Kelly	CIHR	Team Grant	\$33,000	Contribution of the microbiome to asthma risk in premature infants	Grant	Government
McNagny, Kelly	Terry Fox Research Institute	New Frontiers Program Project Grant	\$50,000	Subtypes, prognosis and actionable targets in endometrial cancers	Grant	Non-Profit
McNagny, Kelly	CIHR	Team Grant	\$50,000	Causational Roles of the Gut Microbiome in Childhood Asthma: Leveraging the CHILD Cohort Study	Grant	Government
McNagny, Kelly (Yip, William)	MITACS Inc.	Accelerate	\$15,000	Deep immunophenotyping of the immune response in obstructive and interstitial lung disease: Optimizing a cellular and protein biomarker discovery pipeline for idiopathic pulmonary fibrosis	Grant	Non-Profit
Quon, Bradley S.	CFI	Infrastructure Operating Fund	\$6,000		Grant	Government
Quon, Bradley S.	Cystic Fibrosis Canada	Accelerating Clinical Trials Network (CFCanACT)	\$66,600	Cystic Fibrosis Canada Accelerating Clinical Trials Network (CFCanAct)	Grant	Non-Profit
Quon, Bradley S.	Cystic Fibrosis Foundation (US)	Research Grant	\$21,010	Comprehensive phenotyping of exacerbation in CF (CPEX-CF)	Grant	Non-Profit
Quon, Bradley S.	Cystic Fibrosis Canada	Basic and Clinical Research Grants	\$97,700	Inflammatory and immune biomarkers of response to elxacaftor/tezacaftor/ivacaftor in people with CF	Grant	Non-Profit
Quon, Bradley S. (Potter, Naomi)	MITACS Inc.	Accelerate	\$40,000	Model systems to Assess The in vitro efficacy of CFTR modulator therapies in Cystic Fibrosis (MATCH-CF)	Grant	Non-Profit

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Quon, Bradley S. (Matta, Jasleen Kaur)	MITACS Inc.	Accelerate	\$10,000	Biological clustering of pulmonary exacerbations in CF (BIOPEX-CF)	Grant	Non-Profit
Quon, Bradley S. (Potter, Naomi)	CIHR	Canada Graduate Scholarships - Doctoral Award	\$70,000	Patient-derived model systems to assess the in vitro efficacy of cystic fibrosis transmembrane conductance regulator (CFTR) modulator therapies in cystic fibrosis	Grant	Government
Quon, Bradley S.	Vertex Pharmaceuticals (Canada) Inc.		\$28,951	A Phase 3, Randomized, Double-blind, Controlled Study Evaluating the Efficacy and Safety of VX-121 Combination Therapy in Subjects with Cystic Fibrosis Who Are Homozygous for F508del, Heterozygous for F508del and a Gating (F/G) or Residual Function (F/RF) Mutation, or Have At Least 1 Other Triple Combination Responsive CFTR Mutation and No F508del Mutation	Sponsor-Initiated Clinical Trial	Industry
Quon, Bradley S.	Vertex Pharmaceuticals (Canada) Inc.		\$18,242	A Phase 3, Open-label Study Evaluating the Long-term Safety and Efficacy of VX-445 Combination Therapy in Subjects With Cystic Fibrosis Who Are Homozygous or Heterozygous for the F508del Mutation	Sponsor-Initiated Clinical Trial	Industry
Quon, Bradley S.	Vertex Pharmaceuticals (Canada) Inc.		\$2,482	A Phase 3, Open-label Study Evaluating the Long-term Safety and Efficacy of VX-445 Combination Therapy in Subjects With Cystic Fibrosis Who Are Heterozygous for the F508del Mutation and a Gating or Residual Function Mutation (F/G and F/RF Genotypes)	Sponsor-Initiated Clinical Trial	Industry
Quon, Bradley S.	Vertex Pharmaceuticals (Canada) Inc.		\$53,985	A Phase 3 Double-blind, Randomized, Placebo- controlled Study Evaluating the Efficacy and Safety of ELX/TEZ/IVA in Cystic Fibrosis Subjects 6 Years of Age and Older With a Non-F508del ELX/TEZ/IVA- responsive CFTR Mutation	Sponsor-Initiated Clinical Trial	Industry
Quon, Bradley S.	Vertex Pharmaceuticals (Canada) Inc.		\$27,794	A Longitudinal Study on the Impact of ELX/TEZ/IVA Treatment in Patients With Cystic Fibrosis in the Real World	Sponsor-Initiated Clinical Trial	Industry
Quon, Bradley S.	Vertex Pharmaceuticals (Canada) Inc.		\$85,529	A Phase 3, Open-label Study Evaluating the Longterm Safety and Efficacy of VX-121 Combination Therapy in Subjects With Cystic Fibrosis	Sponsor-Initiated Clinical Trial	Industry
Quon, Bradley S.	Vertex Pharmaceuticals (Canada) Inc.		\$145,608	A Phase 3 Open-label Study Evaluating the Long-term Safety and Efficacy of Elexacaftor/Tezacaftor/Ivacaftor in Cystic Fibrosis Subjects With Non-F508del CFTR Genotypes	Sponsor-Initiated Clinical Trial	Industry
Ryerson, Chris	MSHRBC	Health Professional-Investigator Award	\$90,000	Clinical, biological, and prognostic impact of supplemental oxygen in fibrotic interstitial lung disease	Salary	Government
Ryerson, Chris	MSHRBC	Research Trainee Award: Post-Doctoral Fellowship	\$35,313	Connecting clinical research and economic evaluation by mapping lung function to EQ-SD-5L in patients with interstitial lung disease	Grant	Government
Ryerson, Chris	Genome British Columbia	Sector Innovation Program	\$25,000	Blood Single-cell RNA Sequencing of Fibrotic Interstitial Lung Disease Subtypes	Investigator-Initiated Clinical Trial	Non-Profit
Ryerson, Chris (Goobie, Gillian)	Canadian Lung Association	Breathing as One - Boehringer Ingelheim Canada COPD Catalyst Grant	\$2,500	Air pollution as a modular of molecular, structural, and clinical outcomes in patients with fibrotic interstitial lung disease	Grant	Non-Profit
Ryerson, Chris (Goobie, Gillian)	CIHR	CIHR Fellowship	\$55,000	Air pollution as a modulator of molecular, structural, and clinical outcomes in patients with fibrotic interstitial lung disease	Grant	Government
Ryerson, Chris (Marinescu, Daniel)	MSHRBC	Research Trainee Award: Post-Doctoral Fellowship	\$20,625	The association of genetic risk factors with morphology and outcomes in interstitial lung disease	Grant	Government
Ryerson, Chris	Genome British Columbia	Data Access, Integration and Analysis Program	\$125,000	Integration of Environmental and Genomic Risk Factors to Predict Fibrotic Interstitial Lung Disease Progression	Investigator-Initiated Clinical Trial	Non-Profit
Ryerson, Chris	Boehringer Ingelheim (Canada) Ltd.		\$90,920	A double blind, randomized, placebo-controlled trial evaluating the efficacy and safety of BI 1015550 over at least 52 weeks in patients with Progressive Fibrosing Interstitial Lung Diseases (PF-ILDs)	Sponsor-Initiated Clinical Trial	Industry
Ryerson, Chris	United Therapeutics Corp.		\$23,504	A Randomized, Double-blind, Placebo-controlled, Phase 3 Study of the Efficacy and Safety of Inhaled Treprostinil in Subjects with Idiopathic Pulmonary Fibrosis	Sponsor-Initiated Clinical Trial	Industry
Ryerson, Chris	NIH	Research Grant	\$8,593	Prognostic biomarker development in progressive fibrosing interstitial lung disease	Contract	Government
Ryerson, Chris (Campbell, Alec)	Canadian Pulmonary Fibrosis Foundation	Robert Davidson Fellowship Award	\$90,000	Use of peripheral blood single-cell transcriptomic diagnostics in the diagnosis of prognostication of interstitial lung disease	Grant	Non-Profit
Sellers, Stephanie	MSHRBC	Scholar Award	\$90,000	Valvular heart disease and bioprosthetic heart valves: defining mechanisms of degeneration and therapeutic discovery from bedside to bench	Salary	Government
Sellers, Stephanie	PHCRI	Early Career Investigator Award	\$15,000	Understanding of BPHV use, define features of BPHV level, and begin to develop new imaging approaches for detecting valve degeneration and identifying therapeutic targets to improve valve durability	Grant	Non-Profit
Sellers, Stephanie	NIH	Research Grant	\$65,078	Patient-specific blood cell reactivity and flow dynamic profiles in transcatheter aortic valve replacement	Grant	Government

PI Name (Fellow Name)	Sponsor	Program	Amount Funded	Project Title	Award Type	Sector
Sellers, Stephanie	Anteris Technologies Ltd		\$63,000	Assessment of Leaflet Height and Calcification with DurAVR Transcatheter Heart Valve	Contract	Industry
Sellers, Stephanie (Gill, Hacina)	CIHR	CGS-D	\$35,000	Investigation of Fibrosis Mediated Structural Valve Degeneration: Unveiling the Nature of Bioprosthetic Heart Valve Fibrosis and Its Contribution to Bioprosthetic Heart Valve Failure	Grant	Government
Seow, Chun	CIHR	Project Grant	\$136,170	Mechanisms underlying the bronchodilatory effect of deep inspiration in health and asthma: from airway smooth muscle to the whole lung	Grant	Government
Seow, Chun	UBC VPRI	Research Facility Support Grant	\$13,231	Cellular Imaging and Biophysics LSM880 confocal microscope repair and upgrade	Grant	Non-Profit
Sin, Don	CRC	Canada Research Chair Tier I (CIHR)	\$200,000	Chronic obstructive pulmonary disease	Salary	Government
Sin, Don	CFI	Infrastructure Operating Fund	\$149,021	Enabling precision health in COPD	Grant	Government
Sin, Don	CIHR	Project Grant	\$190,485	A novel approach to discover therapeutic and biomarker targets and enable precision health in COPD: TORCH (Towards Omics and Imaging to Revolutionize COPD Health)	Grant	Government
Sin, Don (Gerayeli, Firoozeh)	MITACS Inc.	Accelerate	\$26,667	Platform development to assay immune cell chemotaxis in chronic obstructive pulmonary disease (COPD)	Grant	Non-Profit
Sin, Don (Eddy, Rachel)	MSHRBC	Research Trainee Award: Post-Doctoral Fellowship	\$35,063	Ventilation heterogeneity in asthma, COPD, and asthma-COPD overlap: Oscillometry and pulmonary MRI	Grant	Government
Sin, Don (Eddy, Rachel)	St. Paul's Foundation		\$12,375	Ventilation heterogeneity in asthma, COPD, and asthma-COPD overlap: Oscillometry and pulmonary MRI	Grant	Non-Profit
Sin, Don (Guinto, Elizabeth)	MITACS Inc.	Accelerate	\$60,000	Cellular phenotyping chronic obstructive pulmonary disease from microbes to epithelial and macrophages	Grant	Non-Profit
Sin, Don (Milne, Stephen)	MSHRBC	Research Trainee Award: Post-Doctoral Fellowship	\$958	Dissecting heterogeneity in COPD: a functional imaging-guided-omics study	Grant	Government
Sin, Don (Tajima, Yuki)	MITACS Inc.	Accelerate	\$30,000	A Novel Radiofrequency Treatment for Emphysema in Pig Model	Grant	Non-Profit
Sin, Don (Leung, Clarus)	MSHRBC	Research Trainee Award: Post-Doctoral Fellowship	\$22,458	Endo-phenotyping of asthma and chronic obstructive pulmonary disease overlap by airway inflammation and structure	Grant	Government
Sin, Don (Leung, Clarus)	The Lung Association	Breathing as One: Allied Health Fellowship	\$16,500	Endo-phenotyping of asthma and chronic obstructive pulmonary (COPD) overlap by airway inflammation	Grant	Non-Profit
Sin, Don	NI ONE INC.		\$135,274	Effects of TSLP Inhibition on the Air-liquid Interface Model of the Epithelial Airway in COPD	Contract	Industry
Sin, Don	CSA Medical Inc		\$15	A Prospective Safety and Feasibility Study of the RejuvenAir System Metered Cryospray Therapy for Chronic Bronchitis Patients	Sponsor-Initiated Clinical Trial	Industry
Sin, Don	IKOMED Technologies Inc.		\$106,821	Frequency Treatment for Emphysema Rat Model	Contract	Industry
Singh, Amritpal	NSERC	Discovery Grants Program - Individual	\$45,500	Integrative methods for single cell multiomics	Grant	Government
Singh, Amritpal	British Columbia Lung Foundation	Lung Health Research Grant	\$25,000	Development of triple co-culture airway model systems for asthma pathogenesis and evaluation using single cell multiomics	Grant	Non-Profit
Singh, Amritpal (Ahmadzadeh, Maryam)	MITACS Inc.	Elevate Postdoctoral Fellowship Program	\$80,000	Integrating digital pathology with electronic health records for predicting outcomes in heart transplantation	Grant	Non-Profit
Singh, Amritpal (Dong, Kang)	MITACS Inc.	Elevate Postdoctoral Fellowship Program	\$80,000	Integrating public and in-house multiomics data to identify drug repurposing candidates for scleroderma	Grant	Non-Profit
Tebbutt, Scott	Genome British Columbia	Data Access, Integration and Analysis Program	\$247,583	Identifying molecular surrogates of optimal immunosuppression by leveraging short and long-term outcomes in heart transplantation	Contract	Non-Profit
Tebbutt, Scott	NIH	Research Grant	\$13,615	Immune development in early life (IDEAL) shapes vaccine response, respiratory infectious disease and asthma	Grant	Government
Tebbutt, Scott	British Columbia Lung Foundation	Lung Health Research Grant	\$25,000	Circulating metabolites as non-invasive biomarkers of chronic lung allograft dysfunction in humans	Grant	Non-Profit
Tebbutt, Scott (Abhinav, Checkervarty)	MITACS Inc.	Accelerate	\$15,000	Tissue-construct to predict optimal vaccine response in neonates	Grant	Non-Profit

PI Name (Fellow Name)	Sponsor	Program	Amount Funded	Project Title	Award Type	Sector
Tebbutt, Scott (Lapp, Linda)	MSHRBC	Research Trainee Award: Post-Doctoral Fellowship	\$37,625	Identification of biomarker signatures predicting short and long term complications following heart transplant surgery	Grant	Government
Walley, Keith	CIHR	Foundation Grant - Stage 2	\$302,935	Translational research to improve sepsis outcomes	Grant	Government
Wang, Ying	CIHR	Project Grant	\$163,710	Targeting efferocytosis to reduce risk of cardiovascular events	Grant	Government
Wang, Ying	SSHRC	NFRF Exploration Stream	\$125,000	Beyond morphology: Convert disease-related gene networks to pixels in digital pathology to solve the puzzle of "vulnerable plaques" that lead to cardiovascular events	Grant	Government
Wang, Ying	Heart and Stroke Foundation of Canada	New Investigator Award	\$60,000	Targeting efferocytosis to reduce risk of cardiovascular events	Grant	Non-Profit
Wang, Ying	MSHRBC	Scholar Award	\$90,000	Targeting efferocytosis to reduce risk of cardiovascular event	Salary	Government
Wang, Ying	UBC Faculty of Medicine	Scholar (Incentive Funding)	\$81,500	Targeting efferocytosis to reduce risk of cardiovascular events	Grant	Non-Profit
Wang, Ying	UBC Faculty of Medicine	Precision Health Catalyst Grant	\$50,000	Who will benefit from colchicine to reduce heart attacks? Characterizing the baseline inflammation status of patients with coronary atherosclerosis	Grant	Non-Profit
Wang, Ying	CFI	John R. Evans Leaders Fund - Partnerships	\$2,465	Spatial characterization of human atherosclerotic disease for therapeutic and biomarker development	Grant	Government
Wang, Ying	PHCRI	John R. Evans Leaders Fund - Partnerships	\$3,834	Spatial characterization of human atherosclerotic disease for therapeutic and biomarker development	Grant	Non-Profit
Wang, Ying (Elishaev, Maria)	CIHR	Travel Awards Institute Community Support	\$1,500	Determining the relationship between inflammation and impaired efferocytosis in human atherosclerotic lesions	Grant	Government
Yang, Decheng	CIHR	Project Grant	\$120,870	Role of transcription factor NFAT5 in viral myocarditis: a novel strategy for therapy	Grant	Government

APPENDIX B

PI PUBLICATIONS

in 2023



Abdelkhalek M, Daeian M, Chavarria J, Sellers S, Gulsin G, **Leipsic J**, Sheth T, Keshavarz-Motamed Z. Patterns and Structure of Calcification in Aortic Stenosis: An Approach on Contrast-Enhanced CT Images. *JACC Cardiovasc Imaging*. 2023 Mar 22. doi: 10.1016/j.jcmg.2023.02.011. PMID: 37052564.

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APPENDIX C

FRIDAY SEMINAR SERIES



- January 13 New Findings on Salt-Dependent Hypertension: Implications for Prevention and Clinical Management
Speaker: Dr. Theodore W. Kurtz
- January 20 Using Genetics to Optimize the Care of Patients with Inherited Lipid Disorders
Speaker: Dr. Liam Brunham
- January 27 Understanding Idiopathic Pulmonary Fibrosis in a Post COVID World Part 2: The Integrin Strikes Back
Speakers: Dr. Gisli Jenkins
- February 3 Molecular and clinical implications of airway autoimmunity in severe asthma
Speaker: Dr. Manali Mukherjee
- February 17 UBC FoM Black History Month Event
- March 3 Aortic Stenosis: How to be Hard Hearted?
Speaker: Dr. David Newby
- March 10 Pneumonia: Signals and tools for the future?
Speaker: Dr. Jim Russell
- March 24 Angiotensin Targeting in COPD-emphysema
Speaker: Dr. Enid Neptune
- March 31 Transcriptional regulatory networks as a means of defining disease mechanisms in idiopathic pulmonary fibrosis
Speaker: Dr. Gregory Joseph Fonseca
- April 14 Cellular senescence as a driver of extracellular matrix dysregulation in COPD
Speaker: Dr. Corry-Anke Brandsma
- April 21 Platform Based Translational Research as An Incubator of Innovations
Speaker: Dr. Colin Collins

- April 28 Epigenetics and the Human Life Course
Speaker: Dr. Michael S. Kobor
- May 5 Understanding human gene regulation through interpretable machine learning
Speaker: Dr. Maxwell Libbrecht
- May 12 HD Video Recorder of the Cell
Speaker: Dr. Nozomu Yachie
- June 2 Lipid nanoparticles enabling gene therapies
Speaker: Dr. Jayesh Kulkarni
- June 9 Unveiling the mechanisms of innate immunity in viral myocarditis
Speaker: Dr. Honglin Luo
- Sept 15 Primary Ciliary Dyskinesia: An Update in 2023
Speaker: Dr. Adam Shapiro
- Sept 22 HLI Day - Celebrating 46 Years
- Sept 29 A single-cell atlas of small airways disease in COPD
Speaker: Dr. Tillie Hackett
- October 20 Critical roles of airway smooth muscle in mediating deep-inspiration-induced bronchodilation: a big stretch?
Speaker: Dr. Chun Seow
- November 3 Epigenetics and the Human Life Course
Speaker: Dr. Michael S. Kobor
- November 17 Bridging the Gap: Pulmonary Rehabilitation in Underserved Communities
Speaker: Dr. Dr. Leslie Seijo
- November 24 Moving from Phenotype discovery to a Health Excellence Organization - the Hearts in Rhythm Organization story
Speaker: Dr. Andrew Krahn
- December 1 IL-13 alters mucus glycoproteins to promote mucus tethering and mucus plug formation in fatal asthma
Speaker: Dr. David Erle
- December 8 Mucus in Severe Asthma: Implications for the choice of biologics
Speaker: Dr. Parameswaran Nair
- December 15 The influence and impact of cough in asthma
Speaker: Dr. Imran Satia

APPENDIX D RESEARCH- IN-PROGRESS SEMINAR SERIES



- January 9 Single-cell RNA sequencing of peripheral blood mononuclear cells in interstitial lung disease
Speaker: Daniel He
- January 16 Niwh Yizt'iyh Nilht'iz Nets'eelh'iyh Strengthening Our Bodies - Preliminary Survey Results on Physical Activity in BC First Nations Communities
Speaker: Sunaina Chopra
- January 23 Lessons About Resilience from Occupational Therapy and Occupational Science: Findings from a Scoping Review
Speaker: Justin Turner
- January 30 Face Masks During Exercise: Investigating sex differences in the multidimensional components of dyspnea
Speaker: Morgan Flynn
- February 6 Generation and Characterization of Co-culture Engineered Heart Tissue for Cardiac Disease Modeling
Speaker: Hattie Luo
- February 13 Identification of diagnostic biomarkers of frontotemporal dementia
Speaker: Lauren Forgrave
- February 27 Cellular and Molecular Biomarkers of Long COVID: Highlights from a Scoping Review
Speaker: Estefania Espin
- March 6 Sex Differences in Exercise-Induced Arterial Hypoxemia and Pulmonary Edema Development in Elite Athletes Following High-Intensity Exercise
Speaker: Alanna Hind
- March 20 Age-associated Differences in Non-diseased Lung Fibroblast Inflammatory and Extracellular Matrix Processes
Speaker: Kingsley Nwozor

- March 27 Airway Epithelial Function and Models of SARS-CoV-2
Speaker: Tony Guo
- April 3 Effects of dead space loading on respiratory mechanics and exertional dyspnea
Speaker: Reid Mitchell
- April 17 The pleiotropic properties of angiotensin II receptor AT1 blocker losartan on
protective endothelial function are mechanosensing-dependent and AT2
receptor-independent
Speaker: Elodie Sauge
- April 24 The balance of interleukin-1 α and transforming growth factor- β signaling in lung
injury and repair
Speaker: Kauna Usman
- May 1 Identification of Prognostic Airway Epithelial Biomarkers for HIV-Associated
Chronic Obstructive Pulmonary Disease
Speaker: Jia Yi (Nina) Huang
- May 8 Predictors of unsatisfied inspiration at peak exercise in healthy adults
Speaker: Olivia Ferguson
- May 15 Exploring the therapeutic relationship between physiotherapists and Indigenous
people living with chronic diseases in telehealth care
Speaker: Debora Petry Moecke
- May 29 Native Aortic Valve Disease Following Transcatheter Aortic Valve Implantation
Speaker: Joshua Yoon
- June 5 Evaluation of Lipoprotein Fractions and Macrophage-Smooth Muscle Cell
Interactions in Foam Cell Development
Speaker: Pinhao (Eric) Xiang
- June 12 Characterizing the cellular origin of inflammation in human atherosclerotic
lesions using a novel multiplex imaging platform
Speaker: Maria Elishaev
- Sept 18 Development of Oncolytic Coxsackievirus B3 for Breast Cancer Therapy
Speaker: Amirhossein Bahreyni
- October 16 Measurement of gene expression changes within the brains of rats following
fetanyl self-administration
Speaker: Rishika Daswani

- October 23 Early endothelial function activation by angiotensin II receptor blockers mitigates vascular damage in diabetes
Speaker: Chris Yuen
- October 30 About High Time: Characterizing the Clinical and Transcriptomic Effects of Cannabis Smoke on the Lungs
Speaker: Cassie Gilchrist
- November 6 Advancing Biomarker Diagnostics for Early Detection of Synucleinopathies
Speaker: Cyril Helbling
- November 20 Exercise and Long Term Outcomes Following Sepsis
Speaker: Sarah Bradwell
- November 27 Circulating Cholesterol and Triglycerides During Chronic Muscle Wasting: Friends or Foes?
Speaker: Zeren Sun
- December 4 The contribution of sex differences to small airways disease in Chronic Obstructive Pulmonary Disease (COPD)
Speaker: Fatemeh Aminazadeh

