

2014 Faculty of Medicine Summer Student Research Projects

Student	Supervisor	Project Title
Akyurekli, Celine	Dr. Charlotte Jones	Seniors' Move it! & Mingle and Walking Incentive Board: Improving physical activity and overcoming loneliness/social isolation in seniors
Baldwin, Sarah	Dr. Sheila Au	Retrospective review of skin cancer post transplant screening clinic (SCREEN Clinic)
Baumann, Brett	Dr. Caroline Quartly	Botox treatment in adult patients with post-stroke lower limb spasticity (an international multi-center trial, phase 3 study with part I: double blind randomized parallel placebo control; and part II open-label)
Bhatla, Jennifer (Jenn)	Dr. Videsh Kapoor	Using GPS mapping in combination with direct observation
Bowie, Drew	Dr. Sarah Gray	The role of PACAP in adaptive thermogenesis
Brown Bentley, Tlell	Dr. Marion Tipple & Dr. Videsh Kapoor	Assessment of diarrheal rates and sanitation practices in a population of children in the Indian Himalayas: a student-led initiative
Carr, Michael	Dr. Cheryl Wellington	Does prior prolonged anabolic steroid exposure affect
Chahal, Barinder	Dr. Deborah Giaschi	Using depth perception to treat visual disorders
Chan, Benjamin (Ben)	Dr. Aziz Ghahary	Evaluating the quality assurance measures for a bio-hybrid scaffold system, optimizing its fabrication, and preparing it for submission to regulatory bodies and future clinical use
Chan, Yui Ling Elaine	Dr. S. Evelyn Stewart	Neural correlates in childhood-onset obsessive compulsive
Chatha, Sandeep	Dr. Wendy Norman	Better contraceptive choices for marginalized women: immediate vs. interval insertion of intrauterine contraception after second trimester abortion
Chehroudi, Ali Cyrus	Dr. Bruce Verchere	Role of interleukin-1 β in islet amyloid polypeptide
Chen, Henry Chieh-Heng	Dr. Kevin Wade	Glaucoma, a chronic disease: implementing national strategy guidelines
Cheng, Angela	Dr. Blake Gilks	A clinical and immunohistochemical comparison between
Cheng, Xinbo (Justin)	Dr. Simon Rabkin	Understanding of inflammation in the pathophysiology of vascular disease
Cho, Hyokeyun (Michael)	Dr. Carl Brown	Identifying both modifiable and non-modifiable predictors
Cole, Alexandra (Ali)	Dr. Jennifer Yao	Effectiveness of intensive interdisciplinary outpatient rehabilitation as a model of rehabilitation service delivery
Collins, Annie	Dr. Juanita Crook	Comparison of rigid and deformable registration between
Cory, Julia	Dr. Jordan Guenette	Sex differences in the qualitative dimensions of exertional dyspnea in healthy humans
Cox, Adrian	Dr. Andrew Penn	Reducing stroke burden with hospital-ready biomarker test for rapid TIA triage
Dekker, Melissa	Dr. Jennifer Grace	Audit of all strokes and transient ischemic attacks presenting to the emergency department at Campbell River Hospital
Fayowski, Cassandra (Cassie)	Dr. Jeffery Brubacher	Emergency department visits of older drivers for minor motor vehicle collisions
Gao, Golden	Dr. Peter Lennox	Post-mastectomy irradiation in two-stage tissue expander/implant immediate breast reconstruction with acellular dermal matrix (ADM)
Garber, Kathleen	Dr. Jacqueline Pettersen	Characterization of mixed alzheimer and vascular dementia
Golbaz, Khashayar	Dr. Clare Beasley	Role of DISC-1 in axonal transport of mitochondria in individuals with bipolar disorder

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Guenther, Jeremy	Dr. Kennard Tan	Evaluation of sepsis diagnosis and outcomes at Island Health - a health informatics approach
Guo, Michael	Dr. Bernard MacLeod	Time course of the novel analgesic isovaline
Han, Tony	Dr. Cornelia Laule & Donna Lang	Effects of exercise on symptom severity in chronic schizophrenia
Hao, Elaine	Dr. Kevin Harris	Optical coherence tomography identifies coronary artery changes in pediatric transplant recipients
Harris Mccallum, Jessica (Jess)	Dr. Hussein Kanji	Evaluation of a 64-slice computed tomography protocol to clear cervical spinal injuries.
Haslock, Christine	Dr. Rasika Rajapakshe	Development of a lung cancer surgical outcomes database
Heron, Ryan	Dr. Brian Christie & Patrick Nahirney	Effect of omega-3 fatty acids on neurite growth of cultured Neuro 2a stem cells using live-cell imaging
Hoffer, Alexander (Alex)	Dr. Steven Reynolds & Sue Willems	Serial ultrasonographic evaluation of diaphragm thickness during mechanical ventilation in ICU patients
Hu, Angela	Dr. Christopher Loewen	Genome-wide identification of regulators of lipid kinases
Huang, Benjamin (Ben)	Dr. David Sweet	The effect of antibiotic administration on blood culture positivity in patients with severe sepsis and septic shock presenting to the emergency department: a prospective multicenter observational trial
Hughes, Lauren	Dr. Chris Baliski	Influence of surgeon related factors on the provision of
Javer, Jamil	Dr. Nadia Khan	Ethnic differences in ACS management and health behaviors
Jew, Michael	Dr. Martin Hosking & Dr. Colin Phoon	Mitochondrial dysfunction in a mouse model of Barth syndrome
Jia, Lingsa	Dr. Adele Diamond	Comparison of low-dose versus normal-dose methylphenidate on executive function in children with attention-deficit hyperactivity disorder
Johnson, Fraser	Dr. Kurt Haas	Testing the effect of the autism-associated mutation of the cell adhesion molecule Neuroligin-3 on experience-driven
Kandola, Kirandeep	Dr. Tricia Tang	Prevention matters: reducing the diabetes burden in Vancouver's South Asian community
Kassam, Farah	Dr. Silke Cresswell	Coping styles and their influence on outcomes in
Khare, Nikisha	Dr. Douglas Allan	Genetic screening to identify genes that maintain nerve cell
Kim, Diana	Dr. Martin McKeown	Effects of noisy subsensory galvanic vestibular stimulation on cortical and subcortical connections
Lam, Katherine (Kat)	Dr. E. Paul Zehr	Improving strength and functional ability in the more affected arm by training the less affected arm after stroke
Lam, Sin Man (Charmaine)	Dr. Rita McCracken	An observational cross-sectional survey of polypharmacy for frail elders living in residential care facilities in British Columbia: WiseMed baseline
Lee, Jong Min (John)	Dr. David Tu & Piotr Klakowicz	Retrospective cohort review of hepatitis C care cascade, from diagnosis to clearance, at an inner-city medical clinic in Vancouver
Lester, Robynn	Dr. Lori Brotto	What happens to genital pain symptoms in women two years following treatment in a Vancouver-based multidisciplinary vulvodynia program?
Leung, Nicole	Dr. Rusung Tan	Analysis of IL-17 and IFN-gamma dual secreting cytotoxic
Levin, Gabrielle	Dr. John Falconer	Blinded comparison of Telehealth to in-person and telephonic patient consultation

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Li, Xi Yuan (Angela)	Dr. Helene Cote	Longitudinal changes in cell mitochondrial DNA (mtDNA)
Liu, Rachel	Dr. Brian Kwon	Characterization of pro-inflammatory and anti-inflammatory macrophage responses to acute spinal cord injury
Lobo, Anjali	Dr. Lee Ann Martin	Management of febrile neutropenia within a large geographical health authority: a participatory action research project
Lohre, Ryan	Dr. Samaad Malik	The incidence of symptomatic bowel obstructions/incisional hernias post laparoscopic colorectal surgery: does laparoscopic surgery decrease the incidence of postoperative adhesions and its sequela?
Lovatt, Catherine Anne (Kate)	Dr. Geoffrey Cundiff	Determination of Experience of Sexual Improvement Related to trEatment: The DESIRE pilot study
Lui, Jordon	Dr. Patricia Mills	Efficacy of botulinum toxin for the treatment of spasticity in spinal cord injury: a systematic review
May, Curtis	Dr. Christopher Shaw	A comparison of the neurotoxicity of aluminum chloride
McGinnis, Eric	Dr. Brad Nelson	Role of CD4+ killer T cells in the immune response to ovarian cancer
McLeod, Jane	Dr. Paris-Ann Ingledew	Liver cancer internet information: an evaluation of the usage of internet resources by patients with liver cancer and the quality of information available on the internet
Mejia-French, Adriana	Dr. Stirling Bryan	Contraception access research team - contraception cost-effectiveness modelling
Minaker, Samuel	Dr. Allen Hayashi	Surgeon operated transabdominal ultrasound for the evaluation of intraabdominal adhesions by "visceral slide"
Moghaddam, Nima	Dr. Shubhayan Sanatani	Using the SOLAR SVT registry to determine the efficacy of second-line therapeutic agents for refractory supraventricular tachycardia in infants
Nugent, Sean	Dr. Kristin Campbell	The effects of exercise before doxorubicin chemotherapy
Pogorzelec, Kathleen	Dr. Philip E. Lee	Ethnicity and dementia - a characterization of white matter
Qiu, Lily Yu Long	Dr. Raymond W. Lam	Systematic assessment of occupational functioning in clients with depression in an EAP setting
Rasool, Alysha	Dr. Amin Javer & Jamil Manji	The long-term safety of budesonide via mucosal atomization device for treatment of chronic rhinosinusitis
Rhine, Brett	Dr. David Rhine	Establishing normative baseline data for age and gender
Roberts, James	Dr. Bradley Quon	An evaluation of the impact of travel time to the St. Paul's Hospital adult cystic fibrosis (CF) clinic on access to care, medication use, and health outcomes
Roden, Kelsey	Dr. Robert Olson	Impact of a multi-pronged intervention to improve the use of evidence based single fraction radiotherapy (SFRT) for bone metastases across six centres
Sam, Davis	Dr. Winson Cheung	Efficacy and clinical use of vemurafenib and ipilimumab in a population-based cohort of metastatic melanoma patients
Sappong-Kumankumah, Antonia	Dr. Jeremy Penner & Dr. Videsh Kapoor	Assessing early childhood nutrition practices and perspectives in rural Kenya
Sarai, Karnjit	Dr. James Johnson	14-3-3 proteins as novel regulators of beta-cell replication
Sawatzky, Lauren	Dr. Donna Lang	Manual segmentation of hippocampal volumes in chronic schizophrenia pre and post exercise

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Sayson, Elizabeth	Dr. D. Douglas Cochrane &	Intraoperative ultrasound concordance with immediate post
Schmitt, Toby	Dr. William Honer	The impact of drug use on psychosis and viral infection in Vancouver's Downtown East Side
Schwartzentruber, Bennet	Dr. Richard Bedell & Videsh	Evaluating community health worker's nutritional
Sepehri, Aresh	Dr. Demetrios Sirounis	Evaluation of brachial flow mediated dilation assessment to
Sharma, Ashutosh (Ash)	Dr. Pearce Wilcox	Characterizing the evolution of changes in serum C-reactive protein and peripheral blood neutrophil count during the course of pulmonary exacerbation treatment
Shen, Li (Lucy)	Dr. John Oliver	Review of clinical pathways of patients undergoing hip and
Shevchuk, Olena (Helen)	Dr. Mohamed Bedaiwy	Characterization of unexplained recurrent pregnancy loss:
Sidhu, Harmandeep	Dr. Nichole Fairbrother	The prevalence and incidence of perinatal anxiety, related
Sidhu, Navdeep (Nav)	Dr. Dr. David Twist & Dr.	The effect of pain neurophysiology education and exercise
Skocylas, Rachel	Dr. Douglas Courtemanche	Perioperative fluid management in craniosynostosis
Steel, Michael (Mike)	Dr. Patrick Nahirney	Ultrastructural analysis of post-synaptic densities in
Tabeshi, Raymond	Dr. Ash Singhal & Ross	Caregiver experiences in the surgical waiting room
Tod, Sarah	Dr. Vincent Arockiasamy & Dr.	The experience with bronchiolitis in the setting of a rural
Tsui, Clara	Dr. Timothy J. Kieffer	Engineering gut cells to produce insulin as diabetes
Tuet, Gigi	Dr. Ric Procyshyn	Understanding persistent antipsychotic polypharmacy (AP):
Vandenberg, Chelsea	Dr. Christine Wilson & Rasika	Populating an epidemiological model for breast cancer
Villamayor, Anica	Dr. Lara Boyd	Influence of learning intervention programs, specifically the Arrowsmith Program, on neuroplastic changes in children with learning disabilities
Wang, Shirley	Dr. Teresa Liu-Ambrose	Benefits of aerobic-based exercise training on functional neuroplasticity in vascular cognitive impairment
Wong, Jordan	Dr. Sam Wiseman & Kaye	Management of PET detected thyroid incidentalomas in
Wong, Kristie	Dr. Ronald G Barr	Crying doll babysitting study: female and male adolescents
Wong, Stephanie	Dr. Bonita Sawatzky	The biomechanics, safety and confidence of using a
Xu, Jie (Janet)	Dr. Delbert Dorscheid	Expression and role of FcERI and FcERII in airways of
Yin, Zhongheng (John)	Dr. Todd Woodward	The functional connectome: hallucinations
Yoon, Cassandra	Dr. Kathryn Selby	Bi-level positive airway pressure assisted breath stacking
Yu, Adam	Dr. Jacqueline Quandt	Immunocytochemical and immunohistochemical staining of tissues isolated from models of multiple sclerosis
Zarbfian, Misha Adam	Dr. Jan Dutz	Ultraviolet light mediated induction of systemic lupus
Zhang, Christina	Dr. Ipek Oruc	Effects of high-level visual adaptation on human observers'
Zhang, Kevin	Dr. Jian Ye & Catherine Mok	Change pattern of serum creatinine following transapical
Zhong, Ellia Ziyang	Dr. Kirk R. Schultz	IL-7 down-stream signaling pathway in normal T-cells and acute lymphoblastic leukemia
Zhu, Maria	Dr. Jason Barton	Disentangling the neuronal representations of facial identity and expression within the face perception network: an ssVEP approach
Zhuang, Meiying	Dr. Eric Tony Accili	Control of pacemaker channel opening by putative antagonists of cyclic AMP