

2006 B.H.Sc. Summer Research Scholarship Recipients

STUDENT	RESEARCH TOPIC / DESCRIPTION	SUPERVISOR
Natallia Beilhartz	<ul style="list-style-type: none"> ◆ Vascular Research Intervention Program ◆ Collection and analysis of patient data, writing of key reports and project dissemination 	Supervisor: Lisa Dolovich Department: Medicine
Michal Bohdanowicz	<ul style="list-style-type: none"> ◆ Rating clinical research papers to find a replacement for journal impact factors as a guide to what clinicians should read for keeping up to date 	Supervisor: Brian Haynes Department: Clinical Epidemiology and Biostatistics (CE&B)
Veronica Brown	<ul style="list-style-type: none"> ◆ Understanding IgA Neutralizing HSV ◆ Since HSV is primarily sexually transmitted it is important to determine if IgA antibodies can neutralize HSV in the genital tract of mice 	Supervisor: Kenneth Rosenthal Department: Pathology and Molecular Medicine
Nihal Haque	<ul style="list-style-type: none"> ◆ Immunological control of enteric endocrine cell function in infection and inflammation: Discover the role of CD4+ T cells in this situation 	Supervisor: Waliul I. Khan Department: Medicine
Bonnie Hartle	<ul style="list-style-type: none"> ◆ Multi-sensory interactions between movement and auditory rhythm 	Supervisor: Laurel Trainor Department: Psychology, Neuroscience and Behaviour
Edith Ho	<ul style="list-style-type: none"> ◆ Mechanisms of Action of Vasodilator Effect of Du-Zhong, a Chinese Medical Herb ◆ To investigate the vasodilatation properties of Du-Zhong in intact vascular tissues and isometric contractility approach in animal models 	Supervisor: C.Y. (David) Kwan Department: Medicine
Steven Hoffman	<ul style="list-style-type: none"> ◆ Towards optimally packaged and relevance-assessed health technology assessments 	Supervisor: John Lavis Department: Clinical Epidemiology and Biostatistics (CE&B)

Sarah Holtby	<ul style="list-style-type: none"> ◆ Determination of stress-related protein levels in individuals with diabetes and metabolic syndrome ◆ To investigate the extent and the potential roles of ER (endoplasmic reticulum) stress associated with diabetes and obesity in human patients 	Supervisor: Geoff Werstuck Department: Biochemistry and Biomedical Sciences
Erin Jamula	<ul style="list-style-type: none"> ◆ Development of Confocal Microscopy Techniques for Identification of Specific Subtypes of Dendritic Cells ◆ This will involve research and experimentation into the use of different cell surface markers that could potentially be used to identify and locate DC subtypes in tissue cultures, such as samples from muscles and lymph nodes. 	Supervisor: Manel Jordana Department: Pathology and Molecular Medicine
Joelle Karam	<ul style="list-style-type: none"> ◆ Proposed Sensory Gating during a Hypnotic Motor Task ◆ Interested in identifying the level of neural control at which hypnotic suggestions act to produce hypnotic motor phenomena 	Supervisor: Victoria Galea Department: Rehabilitation Science
Melanie Larock	<ul style="list-style-type: none"> ◆ Expression of Proneurotrophin-3 and Assessment of Biological Activity ◆ Expressing cleavage-resistant proNT-3 in a baculovirus/insect cell expression system, harvest, concentrate, dialyze and quantify the supernatant containing the protein, and use it in biological assays such as TrkC activation and neurite outgrowth to examine the activity of the expressed protein 	Supervisor: Margaret Fahnestock Department: Psychiatry and Behavioural Neurosciences
Kitto Lau	<ul style="list-style-type: none"> ◆ The long lasting vasodilatory effect of Luobuma, an antihypertensive medical herb in China ◆ Attempting to find out the pharmacodynamics and pharmacokinetics of the often used drug, Luobuma 	Supervisor: C.Y. (David) Kwan Department: Medicine

Bryden Magee	<ul style="list-style-type: none"> ◆ Dynamics of Parallel Systems of Finance: Interactions between Canada's Workers Compensation Systems and Public Health Care Systems ◆ Research & analysis of the relationships and interactions between systems. This relationship provides a Canadian example of parallel systems of finance and may offer insight into the current debate over health insurance policy 	Supervisor: Jerry Hurley Department: Economics
Amanda Moretti	<ul style="list-style-type: none"> ◆ Development of temporally and geographically regulated adenovirus vectors 	Supervisor: Jonathan Bramson Department: Pathology and Molecular Medicine
Adarsh Rao	<ul style="list-style-type: none"> ◆ The effect of NMDA excitotoxic lesions to the core and shell of the nucleus accumbens on Quinpirole-induced checking behaviour ◆ Using the animal model for obsessive compulsive disorder developed by this lab, the current project will investigate the role of the Nucleus Accumbens (NAcc) on checking behaviour 	Supervisor: Henry Szechtman Department: Psychiatry and Behavioural Neurosciences
Laurissa Slobodian	<ul style="list-style-type: none"> ◆ Identification of Predictors of Functional Outcome Following Surgery Repair and Rehabilitation for Patients with a Torn Rotator Cuff ◆ Measuring factors such as strength, range of motion, self-reported function, quality of life and initial injury severity in patients with rotator cuff tears 	Supervisor: Dianne Bryant Department: Clinical Epidemiology and Biostatistics (CE&B)
Pawel Stefanski	<ul style="list-style-type: none"> ◆ Impact of cigarette smoke on the immune system 	Supervisor: Martin Stampfli Department: Pathology and Molecular Medicine