National Undergraduate Student Research Program Awards

Previous Recipients

2023
Sponsored by CSPS
Angel Nong (University of Alberta) Exposure-Toxicity Relationships of Tacrolimus on the Development of Post-Transplant Diabetes in Renal Transplant Patients
Wen Liao (University of British Columbia) Developing a Pharmacy-Specific Suicide-Prevention Program for E2P PharmD Students
Sarah Smit and Brandon MacDonald (Dalhousie University) Role of Cytochrome P450 in Aldehyde Oxidase Inactivation by Epidermal Growth Factor Receptor-Tyrosine Kinase Inhibitors
Henri Fournier (Université Laval) Predictive performance of pharmacokinetic models of rifampicin in tuberculosis patients
Catherine Lê (Université de Montréal) Intracellular trafficking of the scavenger receptor CD36 via the endosomal-lysosomal pathway in macrophages
Adrienne Nagy (University of Saskatchewan) Method Development and Validation of Reverse-Phase HPLC Assay for Quantification of Mycophenolic Acid and Plasma Extraction Procedures
Jack Lu (University of Toronto) - Genome-wide CRISPR Suppressor Screen Reveals Proneural Master Regulatory and Autophagy Regulator Work Synergistically to Promote Neuronal Commitment in Glioblastoma Stem Cells
Bhawani Jain (University of Waterloo) - Impact of Vitamin C Supplementation on Oxidizing Cytotoxic Anti-Cancer Therapy (ACT): A Systematic Review

2022
Sponsored by CSPS
Akshita Chandok (University of Alberta) A Survey of Canadian Pharmacists’ Knowledge and Comfort in the Management of Epilepsy and Antiepileptic Drugs
Idaylia Swanson (University of British Columbia) Building Community-based Medication Practices for a Self-Governing Remote Indigenous Community
Meagan London (Dalhousie University) Evaluation and clinical impact of a pharmacist-led, interdisciplinary service focusing on education, monitoring, and toxicity management of immune checkpoint inhibitors
Olivia Perry (Memorial University of Newfoundland) Quantification of Neurovasculature Changes in a Post-Hemorrhagic Stroke Animal-Model
Abdul Salama (University of Saskatchewan) Optimization and characterization of chitosan-coated polymeric nanoparticles for sustained oral release of the immunosuppressant drug mycophenolate mofetil
Vivien Trinh (University of Toronto) Ethanol-initiated oxidative DNA damage in Brca1 knockout mice
Lauren Dayes (University of Waterloo) Association between COVID-19 and mental health and coping responses of family/friend caregivers of residents in assisted living in Alberta and British Columbia
2021
Sponsored by CSPS
Minwoo Ha (University of Alberta) Identifying Novel Allosteric Sites and Analyzing the Hydrogen Bond Networks and Correlated Dynamics in the SARS-CoV-2 RNA Polymerase
Kelly Tam (University of British Columbia) Analysis of polysialylated breast cancer cell derived extracellular vesicles
James Davis (Dalhousie University) Implementing an updated evidence-based asthma care pathway for pediatric inpatients: a pre-post quality improvement study
Genesis Lobo (Université Laval) Lower Insoluble Aggregates of DJ1 and Parkin Proteins in the Substantia Nigra of Parkinson’s Disease Patients
Snehit Patel (University of Manitoba) Treatment with glucagon-like peptide-1 agonists improves β-cell survival in amyloid forming islets during ex vivo culture
Omar Shogan (Memorial University of Newfoundland) Characteristics that Influence Purchase Choice for Cannabis Products: A Systematic Review
Junior Jessy Gatete (Université de Montréal) Cahier de laboratoire électronique, il est temps!
Jenny Cheung (University of Toronto) Inflammation-induced peripheral hyperalgesia perturbs neuronal function in the superficial dorsal horn of the spinal cord
Svetlana Litchmanova (University of Waterloo) Analysis of the relationship between age and vWF in hemophilia A: the precision of using age as a proxy for vWF in FVIII population pharmacokinetic models for estimating PK

2020
Sponsored by GlaxoSmithKline
Julian Ethier-Hopwood, University of Alberta
Characterization of a poly(Acrylic acid)-grafted-Cellulose NanoCrystal Bio-adhesive Nano-gel for Local Antineoplastic Drug Delivery in Colorectal Cancer Treatment
Colin Blackadar, University of British Columbia
Pharmacokinetics of Native and Nano-Formulated Innate Defense Regulator Peptides
Chandni Sehgal, Dalhousie University
Factors associated with patient success in a self-medication program in a rehabilitation setting in Halifax, Nova Scotia
Marie-Noël Boulianne, Université Laval
Development of liposomal formulation for delivering the Feldan Shuttle, a cell-penetrating peptide
Tushar Upreti, University of Manitoba
The Effect of Gold Nanoparticle Protein corona formation on its imaging capability of tumour tissue
Taylor Skinner, Memorial University of Newfoundland
Effects of wild Newfoundland blueberries in models of Parkinson’s disease
Jessica Le Blanc, Université de Montréal
Platelets Selectively Regulate the Release of BDNF, but not that of PROBDNF
Brittany Scutchings, University of Saskatchewan
Optimization of Peptide-Modified Gemini Surfactant-Based Gene Delivery System for Dental Application
Winston Chan, University of Toronto
An Investigation into CRISPR Cas12a’s in-vitro ssDNA Interactions
Shams Ismaeil, University of Waterloo
*Simulation of Acebutolol Pharmacokinetics in Chronic Kidney Disease (CKD) Patients Using Physiologically Based Pharmacokinetic Modelling (PBPK)*

2019
Sponsored by GlaxoSmithKline
Jadin Chahade, University of Alberta
*Skeletal Muscle Ketone Body Metabolism Regulates Glycemia During Experimental Obesity*
Jamie Park, University of British Columbia
*Smartphone Apps Targeting Medication Adherence: Content Analysis of User Reviews*
Joonho (Jimmy) Lee, Dalhousie University
*Jadomycin B and S Prevent the Formation of Mammospheres Originating from Breast Cancer Stem Cells*
Patricia Poulin, Université Laval
*Evaluation of Dalteparin and Enoxaparin Accumulation in Renal Impaired Patients*
Nicole Head, Memorial University of Newfoundland
*Potential Protective Effects of Sea Cucumber Extract in Animals with Ethanol-Induced Dysfunction*
Jean-Alexandre Caissy, Université de Montréal
*Characterization of the Effects of SUMOylation on the Orphan Nuclear Receptor Nur77*
Anna Maria Smolyakova, University of Saskatchewan
*Characterization and Modulation of the Type 1 Cannabinoid Receptor in a Rat Model of Absence Epilepsy*
Constantine Georgiou, University of Toronto
*Characterizing the Upregulation of Reduced Folate Carrier (RFC) by Vitamin D Receptor at the Blood-Brain Barrier*
Naushin Hooda, University of Waterloo
*Chemotherapy-Induced Nausea and Vomiting (CINV) in Colorectal Cancer (CRC) Patients Undergoing FOLFOX Chemotherapy: A Retrospective Chart Review Comparing Two Ontario Hospitals*

2018
Sponsored by GlaxoSmithKline
Jonathon Thomson, University of Alberta
Supervisor: Dr. Cheryl Sadowski
*Needs Assessment and Online Program for Physiotherapists in Alberta Regarding Physical Function and Drugs*
Anne Nguyen, University of British Columbia
Supervisor: Dr. Shyh-Dar Li
*Modulating Physiochemical Properties of a Small Peptide Drug by Chemical Conjugation*
Kelsey Mann, Dalhousie University
Supervisors: JR Manderville and Heather Neville
*Nocturnal Hypoglycemia Associated with Bedtime Insulin Mixture Administration in Hospitalized Patients*
Rachel Ward, Memorial University of Newfoundland
Supervisor: John Weber
*Potential Neuroprotective Effects of Wild Blueberries: A Pilot Study*
Francis Lefebvre, Université de Montréal
Supervisor: Marc Servant
*Investigating the Role of the IKKβ Protein Kinase in Vascular Remodeling Events*
Grace Cuddihy, University of Saskatchewan
Supervisor: Kishor Wasan
*Cytotoxicity Profiles of Lanthanide Compounds within Human Kidney (HEK-293), Liver (HEPG2), and Osteoblast (HOb) Cells in addition to Murine Pre-osteoclast (RAW 264.7) Cells*

Wendy Siu, University of Toronto
Supervisor: Carolyn Cummins
*Examining the Cholesterol Synthetic Pathway in the Search for New Druggable Targets for Glioblastoma*

Stephanie De Jong, University of Waterloo
Supervisor: Praveen Nekkar Rao
*Effect of Female Sex Hormones and Their Derivatives on Amyloid Beta Aggregation*

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2017

**Sponsored by GlaxoSmithKline**

Pawan Gill, University of Alberta
Supervisor: Dr. Lisa Guirguis
*Developing Tools to Help Pharmacists Take Action with Asthma*

Jovan Gill, University of British Columbia
Supervisor: Dr. Urs Hafeli
*Investigation of the Potential Application of Rhenium in Diagnostic X-Ray Imaging*

Camille Thibault, Université Laval
Supervisor: Dr. Chantale Simard
*Is Exposure to Cigarette Smoke Influencing NAFLD-induced Modulation of Drug Metabolism?*

Lyndon Walker, University of Manitoba
Supervisor: Dr. Emmanuel Ho
*Mathematical Prediction of Hydrophilic Chemotherapeutic Elution Kinetics from a Reservoir Polyurethane Intravaginal Ring Fabricated by Fused Deposition Modeling 3D Printing*

Catherine Grandy, Memorial University of Newfoundland
Supervisor: Dr. John Weber
*The Effect of Antioxidant-rich Newfoundland Wildberry Extracts on Neuroinflammation*

Valérie Long, Université de Montréal
Supervisor: Dr. Céline Fiset
*Increased Heart Rate in Pregnant Mice is Associated with Changes in Sinoatrial Node Calcium Homeostasis*

Kayla Wharton, University of Saskatchewan
Supervisor: Dr. Ildiko Badea
*Development of Radiolabeled Antibody-Targeted Gemini Nanoparticles for Melanoma*

Steven Choi, University of Toronto
Supervisor: Dr. Reina Bendayan
*Peroxisome Proliferator-Activated Receptor Gamma (PPAR-γ): Potential Therapeutic Target in HIV-1 Associated Brain Inflammation and Excitotoxicity*

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2016

Sponsored by GlaxoSmithKline
Amanda Leong, University of Alberta
Supervisor: Dr. Mark Makowsky
An Evaluation of the Quality of iPhone Applications for Hypertension Self-Management

Madelaine Bell, University of British Columbia
Supervisor: Mark Harrison
How is Uncertainty in Risks and Benefits Presented in Patient Decision Support Interventions? A Review

Sara Rehan, Dalhousie University
Supervisor: Dr. Ingrid Sketris
Co-prescription of Antipsychotic and Antiparkinson Medications: Adherence to Guidelines and the STOPP (Screening Tool of Older Persons’ Potentially Inappropriate Prescriptions) Criteria in Beneficiaries of the Nova Scotia Seniors’ Pharmacare Program

Carolanne Gélinas, Laval University
Supervisor: Dr. Chantale Simard
Altered Cardiac Protein Expression of CYP2j in Mouse Models of Type I and Type II Diabetes

Karam Al-Bayati, University of Manitoba
Supervisor: Dr. Emmanuel Ho
Development of Antibody-modified Chitosan Nanoparticles for the Targeted Delivery of siRNA across the Blood-brain Barrier as a Strategy for Inhibiting HIV Replication in Astrocytes

Scott Unruh, Memorial University of Newfoundland
Supervisor: Dr. John Weber
Determination of Polyphenolic Content and Antioxidant Capacity of Wild Newfoundland Berries

Meghanne Rieder, University of Saskatchewan
Supervisors: Kishor and Ellen Wasan
Lanthanide Compounds for the Treatment of Bone Density Disorders

Ying (Marc) Li, University of Toronto
Supervisor: Dr. Reina Bendayan
Characterization of Low Affinity Folate Transporters at the Blood-Brain Barrier

Paul Malik, University of Waterloo
Supervisor: Andrea Edginton
Using Population PBPK Modelling to Explore Variability in Trastuzumab Pharmacokinetics

2015
Sponsored by GlaxoSmithKline

Kamran Bahadorani, University of Alberta
Supervisor: Dr. Kamaljit Kaur
Identification of Target Receptor Protein for P160-based Cancer

Miao Yan (Marilyn) Sun, University of British Columbia
Supervisor: Dr. Tara Leah Klassen
Novel Missense Mutations in SCN1B as a Cause of Pediatric Epilepsy

Matthew Ladda, Dalhousie University
Supervisor: Dr. Kerry Goralski
Jadomycins B, S, and F are Aurora B Kinase Inhibitors and are Cytotoxic to Multiple Breast Cancer Subtypes

Audrey Blais-Boilard, Universite Laval
Supervisor: Dr Chantale Simard
Altered Hepatic Protein Expression of CYP2c and CYP4a in Mouse Models of Type I and Type II Diabetes
Jessica Adria, University of Manitoba
Supervisor: Dr. Emmanuel Ho
_Targeted Brain Delivery of siRNA using Dual-antibody Modified Chitosan Nanoparticles_
Matthew Hamlyn, Memorial University of Newfoundland
Supervisors: Justin Peddle and Laurie Twells
_Medication use After Laparoscopic Sleeve Gastrectomy: One Year Results from the Newfoundland and Labrador Bariatric Surgery Cohort Study_
Nour Ghazal, Universite de Montreal
Supervisor: Dr. Gregoire Leclair
_Mimicking the Cholera Toxin to Enhance the Intestinal Absorption of Poorly Permeable Drugs_
Matthew Walliser, University of Saskatchewan
Supervisor: Dr. Azita Haddadi
_Novel Anti-Cancer Compounds for Cervical Cancer_
Theodora Bruun, University of Toronto
Supervisor: Dr. Reina Bendayan
_Regulation of Folate Permeability at the Blood Brain Barrier_

2014
_Sponsored by GlaxoSmithKline_
Howe-Ming Yu, University of Alberta
Supervisor: Dr. Kamaljit Kaur
_Using Peptides to Synthesize Cancer Targeting Compounds_
Riley Walsh, University of British Columbia
Supervisor: Dr. Kishor Wasan
_Efficacy of an Oral and Tropically Stable Lipid-based Formulation of Amphotericin B (iCo-010) in an Experimental Mouse Model of Systemic Candidiasis_
Andre Pollmann, Dalhousie University
Supervisor: Dr. Andrea Murphy
_In Search of the Optimal Strategy for Sedative Discontinuation: A Literature Review_
Jessica Virgili, Universite Laval
Supervisor: Dr Frédéric Calon
_Effect of Glycine on Cognitive Functions of 3xTg-AD Mice_
Amanda Li, University of Manitoba
Supervisor: Dr. Emmanuel Ho
_Fabrication and Characterization of a Segmented Reservoir Intravaginal Ring Device for Controlled Release of Hydroxychloroquine_
Kaetan Waghmare, Memorial University of Newfoundland
Supervisor: Dr. Noriko Daneshtalab
_The Effect of Advanced Age and Inflammation in Inducing Stroke in Hypertensive Situations_
Caitlin Strugari, University of Saskatchewan
Supervisor: Dr. Ildiko Badea
_Cyclodextrin-based Nanoparticles Overcome Drug Resistance to Antimelanoma Drug_
Arman Zereshkian, University of Toronto
Supervisor: Dr. Raymond Reilly
_Effect of Human Polynucleotide Kinase/Phosphatase Inhibitor on Survival of Acute Myeloid Leukemia_
Cells Bearing the Leukemia Stem Cell Phenotype CD123+/CD131- Following Exposure to External Gamma Irradiation or Auger Electron
Sarah Johnson, University of Waterloo
Supervisor: Dr. Nancy Waite
Pharmacy Students-As-Immunizers: A Scoping and Jurisdictional Review

2013
Sponsored by GlaxoSmithKline
Darlene Korn, University of Alberta
Supervisor: Dr. Mark Makowsky
An Evaluation of Hypertension Self-management Applications for the iPhone
Andrea Wan, University of British Columbia
Supervisor: Dr. Brian Rodrigues
Endothelial Heparanase Secretion Induced by High Glucose Amplifies Fatty Acid Delivery to the Cardiomyocyte
Matthew Morrison, Dalhousie University
Supervisor: Dr Kerry Goralski
Quantifying Dabigatran Etexilate Pharmacokinetics and Pharmacodynamics in Hemodialysis Patients
Alicia Dash, University of Manitoba
Supervisor: Dr. Emmanuel Ho
Development and Characterization of a Novel Intravaginal Nanomedicine for the Targeted Delivery of Saquinavir to CD4+ T-Cells
Nelson Pearce, Memorial University of Newfoundland
Supervisor: Dr. Noriko Daneshtalab
Multi-Disease Animal Model for Examining the Relationship Between Stroke and Rheumatoid Arthritis
Kaiyu Yang, University of Toronto
Supervisor: Dr. Raymond Reilly
111 In Labeled Gold Nanoparticles Conjugated to Trastuzumab (111In-Au-T) Selectively Target HER-2 Overexpressed Breast Cancer Cells and Cause DNA Double Strand Breaks

2012
Sponsored by GlaxoSmithKline
Christopher Chen, University of Alberta
Supervisor: Dr. Kamaljit Kaur
Using Peptides to Create Cancer Targeting Compounds
Kathryn Landry, Dalhousie University
Supervisor: Dr. Kerry Goralski
Effect of a Surgery-induced Inflammatory Response on the Brain Distribution of Morphine and its Glucuronidated Metabolites
Jordan Nash, University of Manitoba
Supervisor: Dr. Gaik-Lean Chee
Chemical Reactivity and Biological Activity of Dihydro-1,4-dithiin Tetraoxides
Stephanie Hewitt, Memorial University of Newfoundland
Supervisor: Dr. John Weber
Analyzing the Potential Neuroprotective Effects of Antioxidants
Arwa El-Housseini, Université de Montréal
Supervisor: Grégoire Leclair
Nanomized Nystatin: From In Vitro Activity to In Vivo Efficacy Evaluation
Heather Duerksen, University of Saskatchewan
Supervisor: Ildiko Badea
Novel Cyclodextrin-based Nanoparticles Engineered for the Treatment of Skin Cancers
Chonguk Allan Choi, University of Toronto
Supervisor: Dr. Linda MacKeigan
Psychometric Analysis of the Multiple Mini-Interview as an Admissions Tool for the Leslie Dan Faculty of Pharmacy
Muffadal Shamshuddin, University of British Columbia
Supervisor: Dr. Peter Soja
Carrageenan-Induced Hyperalgesia is Associated with Cortal EEG Slowing

2011
Sponsored by GlaxoSmithKline

Deidre Clark, Memorial University of Newfoundland
Supervisor: Dr. Deborah Kelly
Determining Patient Attitudes Regarding the Role of the Pharmacist
Anita Cumbleton, University of Alberta
Supervisor: Dr. Lisa Guirguis
Pharmacists’ Integration of Practice Care Tools for Assessment and Documentation into Routine Patient Care
Catherine Julien, Université Laval
Supervisor: Dr. Paul Poirier
Prevalence, Awareness, Treatment and Control of Hypertension and Associated Risk Factors within the PURE-Quebec Cohort
Soriya Kvann, Université de Montréal
Supervisor: Dr. Daniel Levesque
Effects of TNF-a Gene Knockout on Basal and Antipsychotic-induced Nur77 Expression in the Mouse Brain
Yatong Li, University of Toronto
Supervisor: Dr. Sandy Pang
Effects of Vitamin D Analogs on Cyp7a1, the Rate-Limiting Enzyme in Cholesterol Metabolism
Jonathan Melong, Dalhousie University
Supervisor: Dr. David Jakeman
Design of New Antibiotics by Attenuating Cell Wall Biosynthesis through Inhibition of the L rhamnose Biosynthetic Pathway in Streptococcus Pneumonia
Calvin Poon, University of Waterloo
Supervisor: Dr. Roger Cheng and Dr. Sylvia Hyland
Medication Incidents Involving Psychotropic Drugs: An Aggregate Analysis
Lindsay Usher, University of Saskatchewan  
Supervisor: Dr. Anas El-Aneed  
*Single Stage and Tandem Mass Spectrometric Analysis of Novel Antineoplastic Curcumin Analogs*

Ian Wong, University of British Columbia  
Supervisor: Dr. Kishor Wasan  
*Dietary Supplementation with Phytosterol and Ascorbic Acid Reduces Mass Accumulation in High Fat-fed Mice*

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**2010**  
**Sponsored by Merck-Frosst Canada Ltd.**

Elissa Aeng, University of British Columbia  
Supervisor: Dr. Helen Burt  
*Micellar Paclitaxel and Docetaxel for Intravesical Bladder Cancer Therapy*

David Nguyen, University of Manitoba  
Supervisor: Dr. Frank Burczynski  
*Cellular Antioxidant Effect of Ditiazem and Silymarin*

Sarai Hamodat, Memorial University of Newfoundland  
Supervisor: Dr. John Weber  
*Analyzing the Potential Neuroprotective Effects of Native Newfoundland and Labrador Berries*

Corey Ramer, University of Alberta  
Supervisor: Dr. Paul Jurasz  
*A Novel Anti-Angiogenesis Mechanism of Angiostatin: Inhibition of Endothelial Cell MMP-2 Production*

Jenna McNeil, Dalhousie University  
Supervisor: Dr. Kerry Goralski  
*Characterization of P-glycoprotein Transport in a Novel Human Proximal Tubule Cell Line*

Lindsay Wong, University of Toronto  
Supervisor: Dr. Suzanne Cadarette  
*Confounding in Pharmacoepidemiologic Studies of Fracture Risk*

Katherine Lang, University of Saskatchewan  
Supervisor: Dr. Anas El-Aneed  
*Qualitative Investigation of Barriers to Accessing Health Services by Injection Drug Users in Saskatoon Health Region*

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**2009**  
**Sponsored by Merck-Frosst Canada Ltd.**

Joshua Buse, University of Saskatchewan  
Supervisor: Dr. Anas El-Aneed  
*Similarities and Differences in the Mass Spectrometric Fragmentation Patterns of a Series of Novel Gemini Surfactants Used in Non-Viral Gene Delivery*

Trevor Elton, University of Alberta  
Supervisors: Dr. Mark Makowsky & Dr. Ross Tsuyuki  
* Differences in Prevalence and Treatment Patterns of Lower Extremity Peripheral Arterial Disease in Urban and Rural Communities in Alberta (epiPAD)*
Anthony Gador, University of British Columbia
Supervisor: Dr. Kathleen McLeod
Role of INOS and Reactive Oxygen Species in Activation of HroA/Rho Kinase Pathway in Diabetic Cardiomyopathy

Jesse Goldmacher, University of Toronto
Supervisor: Dr. Carolyn Cummins
Investigating Insulin and Glucocorticoid Signaling in LXR-Deficient Mice

Michael Prout, University of Manitoba
Supervisor: Dr. Mike Namaka
An Interim Analysis: The Role of Superantigen Producing Staphylococcus Aureus in the Etimology of Multiple Sclerosis

Thomas Veinot, Dalhousie University
Supervisor: Dr. David Jakeman
Structural Elucidation of Drug Metabolites and Identifying New Antibiotics Using Mass Spectrometry Unit

2008
Sponsored by Merck-Frosst Canada Ltd.

Travis Featherstone, University of Alberta
Supervisor: Dr. Scot Simpson
Characterizing Use of Acetylsalicylic Acid Within a Long Term Nursing Home Facility

Christine Leong, University of Manitoba
Supervisor: Dr. Mike Namaka
Nasal Colonization of Staphylococcus aureus in Relapsing Remitting Multiple Sclerosis Patients

Leslie Leung, University of British Columbia
Supervisor: Dr. Ujendra Kumar
Regulation of the Membrane Expression of Somatostatin Receptor Subtypes (SSTR 1 to 5) Under Tamoxifen and Estradiol Treatment and the Effect of Oxidative Stress on the Cell-death Pathway in Human Breast Cancer Cells

Alexandre Meunier, University of Toronto
Supervisor: Dr. Stephane Angers
Characterization of FLJ10324: A Novel Protein Connecting Heterotrimeric and Small G Proteins

Jason Wentzell, Dalhousie University
Supervisor: Dr. David Jakeman
Cloning and Characterization of the Metabolic Genes Involved in the Biosynthesis of L-digitoxose

2007
Sponsored by Merck-Frosst Canada Ltd.

Ali-Reza Merali, University of British Columbia
Supervisor: Dr. Kishor M. Wasan
Effect of Risperidone on the Plasma and Lipoprotein Distribution of Clozapine following Co-Incubation within Normolipidemic and Hypertriglyceridemic Human Plasmas

Naureen Sheikh, Memorial University of Newfoundland
Supervisor: Dr. Husam Younes
Robert Hardy, University of Manitoba
Supervisor: Dr. Xiaochen Gu

Effect of Polyethylene Oxide (PEP) Content and Drug Solubility on Polymer Swelling and Drug Dissolution
Lillian Lim, University of Alberta
Supervisor: Dr. Mavanur R. Suresh

Characterization of Monoclonal Antibodies Against Sars-Coronavirus Nucleocapside Protein for Diagnostic Applications
Lindsay Lord, Dalhousie University
Supervisors: Dr. Anne Marie Whelan and Dr. Tannis Jurgens

Evaluating the Quality of Randomized Controlled Trials (RCTs) Examining the Effectiveness of Natural Health Products (NHPs): A Systematic Review of Critical Appraisal Instruments
Shazia Syed, University of Toronto
Supervisor: Dr. Usoa Busto

Clinical and Genetic Characterization of Co-morbid Populations: Pathological Gambling with Substance Use Disorders
Francois Duhamel, Universite de Montreal
Supervisor: Dr. Jean-Francois Bouchard

Cannabinoids: New Modulators of Synaptogenesis
Marilou Grenier, Laval University
Supervisor: Dr. Roxane Pouliot

Bioengineered Skin: Optimization and Characterization of an In Vitro Skin Model
Jaklin Iskander, 3rd Year Pharmacy, University of Toronto
Supervisor: Dr. Heather Boon

Natural Health Products: Is There Evidence for Safety and Efficacy?

2006
Sponsored by Merck-Frosst Canada Ltd.

Framin Mark, 2nd Year Pharmacy, University of British Columbia
Supervisor: Dr. Urs Hafeli
Toxicity Measurement of Magnetic Nanoparticles
Jeremy Reid, 2nd Year Pharmacy, Memorial University
Supervisor: Dr. Husam Younes
Mechanistic Release Study of Water Soluble Drugs from Hydrophobic / Amphiphilic Elastomeric Matrices
Aneri Gupta, 2nd Year Pharmacy, University of Manitoba
Supervisor: Dr. Mike Namaka
The Role of Superantigen-Producing Staphylococcus aureus in the Etiology of Multiple Sclerosis
Jany Zhang, 2nd Year Pharmacy, University of Alberta
Supervisor: Dr. Mavanur R. Suresh
Dendritic Cell Targeting of MUC-1 Breast Cancer Peptide Expressed on Bacterial Surface
Taryn Reid, 3rd Year Pharmacy, Dalhousie University
Supervisor: Dr. David Jakeman
Growth, Extraction and Isolation of Novel Jadomycins
Jaklin Iskander, 3rd Year Pharmacy, University of Toronto
Supervisor: Dr. Heather Boon
Jason Jobse, 2nd Year Pharmacy, University of Saskatchewan
Supervisor: Dr. Jane Alcorn
The Effect of the Flaxseed Lignan, Secoisolariciresinol Diglucoside, on Triglyceride Levels in a Hypertriglyceridemic Rat Model

Marilou Grenier, 2nd Year Pharmacy, Laval University
Supervisor: Dr Roxane Pouliot
Effet de l’acide rétinoïque sur l’hyperprolifération et la différenciation cellulaire des kératinocytes psoriasiques

2005
Sponsored by Merck-Frosst Canada Ltd.

Framin Mark, 1st Year, University of British Columbia
Supervisor: Dr. Urs Hafeli
Toxicity Measurement of Magnetic Nanoparticles

Jeremy Reid, 1st Year, Memorial University
Supervisor: Dr. Husam Younes
Mechanistic release study of water soluble drugs from hydrophobic/amphiphilic elastomeric matrices

Aneri Gupta, 1st Year, University of Manitoba
Supervisor: Dr. Mike Namaka
The Role of Superantigen-Producing Staphylococcus aureus in the Etiology of Multiple Sclerosis

Jany Zhang, 1st Year, University of Alberta
Supervisor: Dr. Mavanur R. Sures
Dendritic Cell Targeting of MUC-1 Breast Cancer Peptide Expressed on Bacterial Surface

Taryn Thompson, 2nd Year, Dalhousie University
Supervisor: Dr. David Jakeman
Novel Jadomycins based on non-natural amino acids

Jaklin Iskander, 2nd Year, University of Toronto
Supervisor: Dr. Heather Boon
Natural Health Products: Is There Evidence for Safety and Efficacy?

Erin Carla Fiege, 3rd Year, University of Saskatchewan
Supervisor: Dr. Jian Yang
Kinetic study of Pentachlorophenol (PCP) Hydroxylase.

Guylaine Ricard, 1st Year, Laval University
Supervisor: Dr. Benoit Drolet
Le role modulateur du diabete dans la pharmacologie et al pharmacocinetique cardiovasculaire