



## Chemistry / Chimie

Name / Nom	Research Subject Code / Sujet de recherche			Proposed Doctoral Research Title / Titre de recherche postdoctorale proposée
Beaulac, Rémi R	3400	PHYSICAL CHEMISTRY	CHIMIE PHYSIQUE	Gamelin - U. of Washington
Berezovski, Maxim MV	3500	ANALYTICAL CHEMISTRY	CHIMIE ANALYTIQUE	Determination of asymmetry between adult stem cells with chemical cytometry
Besanger, Travis TR	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Development of new radiolabeling strategies for human insulin: applications for medical imaging, diagnostics and therapy
Cheeseman, Jeremy JD	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Introduction of selective ligand transport across a membrane via a selective, dynamic, combinatorial receptor-ligand pairing
Cipot, Judy JH	3600	INORGANIC CHEMISTRY	CHIMIE INORGANIQUE	Synthesis of Tc(1)Re(I) Complexes for in vitro luminescence and in vivo radio-imaging studies
Clay, Matthew MD	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Synthesis of biologically relevant natural products
Dai, Sheng S	3750	POLYMER CHEMISTRY	CHIMIE DES POLYMÈRES	Self-assembled Nanostructural Materials
Dubé, Pascal P	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Développement de nouvelles réactions catalytiques
England, Dylan DB	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Synthesis of the ergot alkaloids
England, Dylan DB	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	The Asymmetric Baylis-Hillman Reaction using Organocatalysis
Forgeron, Michelle MAM	3400	PHYSICAL CHEMISTRY	CHIMIE PHYSIQUE	Solid-State Nuclear Magnetic Resonance Investigation of Biological Macromolecules
Gauthier, Marc MA	3750	POLYMER CHEMISTRY	CHIMIE DES POLYMÈRES	Synthesis and characterization of polymers with tailored properties for injectable drug delivery
Hartley, Christopher CS	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Recognition plus reactivity: transition metal catalysts modified with folded oligomers
Janes, Marc MK	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Synthèse totale de la Ripostatine A
Jordan, Robert RWF	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Natural Product Synthesis
Koivisto, Bryan BD	3600	INORGANIC CHEMISTRY	CHIMIE INORGANIQUE	Nanomachines: Rotaxane-based Electric Generators



Lee, Ernest EE	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	A symmetric peloruside a total synthesis
Manzhos, Sergei SV	3400	PHYSICAL CHEMISTRY	CHIMIE PHYSIQUE	New techniques for empirical potential energy surfaces reconstruction
McGavin, Robert Scott RS	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Selective Inhibition of Glycosidases by Feedback Prodrugs
Meli, Maria-Victoria M-V	3400	PHYSICAL CHEMISTRY	CHIMIE PHYSIQUE	Characterisation of localised ordering behaviour of liquid crystals on thiol capped gold nanoparticles
Morley, Krista KL	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Vancosaminyltransferase-catalysed synthesis of novel lipoglycopeptides
Musteata, Florin Marcel FM	3500	ANALYTICAL CHEMISTRY	CHIMIE ANALYTIQUE	Development of Miniaturized Analytical Technology for Comprehensive Bionalysis
Nguyen, Tao-Nhan TNN	3400	PHYSICAL CHEMISTRY	CHIMIE PHYSIQUE	Conformationally tuned nonlinear optical properties: numerical simulations
Pattanyus-Abraham, Andras AG	3400	PHYSICAL CHEMISTRY	CHIMIE PHYSIQUE	Fabrication and characterization of nanostructured materials
Pouliot, Martin M	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Synthèse énantiosélective de la drupacine et des cephalozomines A et B via une réaction radicalaire de carboazidation
Savile, Christopher CK	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Posttranslational chemical modification of proteins for design of new anti-viral therapeutics
Song, Jingshe JS	3750	POLYMER CHEMISTRY	CHIMIE DES POLYMÈRES	Functional Monodisperse Poly(2-hydroxyethyl methacrylate) Hydrogel Particles: Synthesis, Characterization and Use for Medical Applications
Stephenson, Karin KA	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	The development of technetium-99m radiotracers for imaging Alzheimer's disease
Stymiest, Jake JL	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Synthesis and Application of Chiral Organometallic Reagents for Use in Natural Product Synthesis
Sui-Seng, Christine C	3600	INORGANIC CHEMISTRY	CHIMIE INORGANIQUE	Préparation de nouveaux complexes métalliques pour l'hydrogénation catalytique des liaisons polaires et l'addition de Michael
Tan, Sophie S	3400	PHYSICAL CHEMISTRY	CHIMIE PHYSIQUE	Nouveau matériau composite à base de nanotubes de carbone pour les biocapteurs
Trépanier, Vincent VHE	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	The total synthesis of nakiterposin
Wang, Jian J	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Synthesis of Enantiomerically Pure Ineleganolide
Watson, Iain David ID	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Development of an efficient ruthenium catalyzed hydroamination processes
Wood, Tabitha TEH	3700	ORGANIC CHEMISTRY	CHIMIE ORGANIQUE	Development of the intramolecular Petasis borono-Mannich reaction for the synthesis of amines



Yu, Jorn Chi Chung JCC	3500	ANALYTICAL CHEMISTRY	CHIMIE ANALYTIQUE	Forensic Investigation of Airborne Mycotoxins
Zhou, Xiaojing XJ	3400	PHYSICAL CHEMISTRY	CHIMIE PHYSIQUE	Bio-molecular interface via Si-N or Si-O linkage using XPS and STS