

Potential Supervisors for Biology 4C09/4F06 in the Biology Department

Supervisor Name	Potential Research Areas	Number of Thesis Positions	Eligible for NSERC USRA?
André Bédard	control of cell proliferation with particular emphasis on the role of hypoxia in this process. We are particularly interested in a novel " <i>membrane stress response</i> " in this process.	2	maybe
Ben Bolker			
Robin Cameron	Molecular plant disease resistance	2-3	Yes
Ana Campos	Hydra regeneration	3	yes
Pat Chow-Fraser	environmental monitoring, species-at-risk ecology and habitat mapping	Already filled	yes
Juliet Daniel	colon cancer and breast cancer	2	Yes
Rosa DaSilva			
Susan Dudley			
Jonathan Dushoff	self-directed projects that have a useful and substantive theoretical, computational or statistical component	2	Yes
Ian Dworkin	Genetics of shape and size sexual dimorphism (using <i>Drosophila</i>); Conditional effects of mutations	2	Yes
Marie Elliot	microbiology/ <i>Streptomyces</i> genetics and biochemistry (RNA-based regulation; control of bacterial development; regulation of antibiotic production)	2	Yes
Ben Evans	On Research Leave	None	
Turlough Finan	Molecular genetic analysis of genes in <i>Sinorhizobium meliloti</i>	2	Yes
Brian Golding	Molecular Evolution, Bioinformatics	2	Yes
Bhagwati Gupta	Not taking students	None	
Suleiman Igdoura			
Roger Jacobs	Analysis of remodeling of the extracellular matrix of the heart in a genetic model of cardiomyopathy	2	Yes
Lovaye Kajjura			
Jurek Kolasa			

Grant McClelland	Environmental physiology/ high altitude adaptation/ regulation of lipid metabolism	2	Yes
Carmel Mothersill			
Mike O'Donnell	Cell physiology (electrophysiology of epithelial ion transport)	2	Yes
James Quinn	Cooperative breeding of smooth-billed anis or Pukeko (including one project focussed on the use of molecular markers to determine maternity from eggshell samples) 2) colonial waterbirds and Hamilton harbour (Interactions between cormorants and terns).	3	Maybe
David Rollo			
Herb Schellhorn			
Graham Scott	Physiological adaptations to low oxygen environments	Up to 4	Yes
Colin Seymour			
Rama Singh	Genetics and Evolution: Impacts of male mating behavior on female fitness	2-3	No
Jonathon Stone			
Elizabeth Weretilnyk	Plant studies in abiotic stress tolerance using biochemical and molecular genetic tools. I am particularly interested in low nutrient stress and drought tolerance mechanisms.	2	
Joanna Wilson			
Jianping Xu	Experimental evolution of fungal pathogens	2-3	Yes
Xu-Dong Zhu	DNA damage and repair	2	Yes

Potential Supervisors From Other Departments Who Have Supervised Biology Students in the Past

Supervisor Name	Department
Adachi, Jonathan (Rick)	Rheumatology
Ask, Kjetil	Respirology
Balshine, Sigal	Psychology, Neuroscience & Behaviour
Bercik, Premysl	Gastroenterology
Bhandari, Mohit	Orthopaedic Surgery
Boreham, Doug	Medical Physics
Bridgewater, Darren	Anatomy
Burrows, Lori	Biochemistry and Biomedical Sciences

Busse, Jason	Anesthesia
Curnew, Gregory	Cardiology
Decatanzaro, Denys	Psychology, Neuroscience & Behaviour
Dej, Kim	School of Interdisciplinary Science
Doering, Laurie	Pathology and Molecular Medicine
Dukas, Reuven	Psychology, Neuroscience & Behaviour
Eband, Richard	Biochemistry and Biomedical Sciences
Fang, Qiyin	Engineering Physics
Faure, Paul	Psychology, Neuroscience & Behaviour
Finley, Christian	Surgery - Thoracics
Foster, Jane	Psychology, Neuroscience & Behaviour
Fradin, Cecile	Physics and Astronomy
Ghert, Michelle	Surgery – Orthopaedics/Oncology
Gillespie, Deda	Psychology, Neuroscience & Behaviour
Grover, Ashok	Gastroenterology
Harvey, Chad	School of Interdisciplinary Science
Hassell, John	Biochemistry and Biomedical Sciences
Heisz, Jennifer	Kinesiology
Hicks, Audrey	Kinesiology
Holloway, Alison	Obstetrics and Gynecology
Jordana, Manel	Pathology and Molecular Medicine
Khan, Ayesha	Psychology, Neuroscience & Behaviour
Khan, Waliul	Pathology and Molecular Medicine
MacDonald, Maureen	Kinesiology
Martin Ginis, Kathleen	Kinesiology
Maurer, Daphne	Psychology, Neuroscience & Behaviour
McCready, Elizabeth	Pathology and Molecular Medicine
Meyre, David	Clinical Epidemiology and Biostatistics
Mishra, Ram	Psychology, Neuroscience & Behaviour
Morrison, Katherine	Pediatrics
Pare, Guillaume	Pathology and Molecular Medicine
Poinar, Hendrik	Anthropology
Ratcliffe, Elyanne	Pediatrics
Schwarcz, Henry	Geography and Earth Sciences
Sheardown, Heather	Chemical Engineering
Sun, Hongjin	Psychology, Neuroscience & Behaviour
Tarnopolsky, Mark	Neurology
Teo, Koon	Cardiology
Trainor, Laurel	Psychology, Neuroscience & Behaviour
Tsakiridis, Theodoros	Oncology
Waddington, James Michael	Physics and Astronomy

West-Mays, Judith	Biomedical Engineering
Zeidler, Johannes	Pathology and Molecular Medicine