

RESEARCHER	DEPT.	AREA OF RESEARCH
LACS		
Claire Card	LACS	Equine reproduction Iodine and thyroid health in horses
Kate Robinson	LACS	Prevalence of Rocky Mountain Spotted Fever in horses
Dinesh Dadarwal	LACS	Evaluation of sampling methods to study uterine microbiome in cattle
Dinesh Dadarwal / John Campbell	LACS	Fetal sexing in present cattle using PCR
Cheryl Waldner	LACS	Beef cattle production, infections diseases of beef cattle, antimicrobial use and resistance in livestock, beef cattle nutrition, precision agriculture and big data
Yolande Seddon	LACS	Play behaviour to increase resilience in swine Animal-based indicators of welfare scored on carcasses as a herd monitoring tool Biomarkers of welfare in swine
Murray Jelinski	LACS	Investigating antimicrobial resistance in Mycoplasma bovis isolates obtained from western Canadian beef cattle and bison. This project will involve performing antimicrobial sensitivity testing (AST) using Sensi-titre plates (Fisher-Scientific) and preparing DNA for whole genome sequencing so that the genome can be interrogated for AMR genes (SNPs).
Tiago Afonso	LACS	The blockade of the renin-angiotensin-aldosterone system in horses through the use of angiotensin-converting enzyme inhibitors and angiotensin-receptor blockers
SACS		
Kevin Cosford	SACS	CBD Research
Behzad M. Toosi	SACS	Cancer research focused on companion animal malignancies
Gurpreet Aulakh	SACS	PET/SPECT-CT Imaging of Lung Inflammation
Tony Carr	SACS	IMHA retrospective and evaluation of platelet function in dogs given low dose aspirin and yunnan baiyao

Stephanie Osinchuk Behzad Toosi Lynne Sandmeyer	SACS	Companion animal ophthalmic neoplasia prognostication and therapy
Shannon Beazley	SACS	Loose cuff hypertension - effect of cuff looseness on the accuracy of blood pressure measurement Gastroesophageal regurgitation in dogs - Retrospective analysis of risk factors and anesthetic protocols associated with a higher incidence of GERD in dogs
Monique Mayer Sally Sukut Amy Larkin	SACS	Diagnostic Imaging (CT,I canine, lymph nodes)
Sally Sukut Candace Lowe Monique Mayer	SACS Medical Imaging Dental Services	Radiology/dentistry - We are investigating the use of computed tomography (CT) to score dental disease in dogs, and comparing CT imaging to oral examination and intraoral dental radiography. The student will assist with patient recruitment and data collection for canine patients of the VMC dentistry service, assist with data analysis and perform a literature review. The student will have the opportunity to learn dental scoring parameters using oral examination and radiography.
VBMS		
Maud Ferrari	VBMS	Predation ecology, environmental change, animal behaviour, cognitive ecology, aquatic ecology
Gregg Adams	VBMS	Reproductive biology, Theriogenology

Ali Honaramooz	VBMS	The general area of research is male reproduction; more specifically, you will be involved in research on testis cell, tissue and organ culture. The main objective is to induce in vitro spermatogenesis from neonatal donor pigs as a model for prepubertal boys who undergo cancer treatments that can leave them infertile as adults. Other important future applications for this line of research include developing an in vitro model for studies on conservation of endangered species and toxicological studies. You will work along side graduate students and gain hands-on experience with castration of piglets, working with organ, tissue, and cells culture, analysis of samples using various cellular and molecular techniques(e.g., histology, immunohistochemistry, PCR, various cell assessment assays), collection of data, tabulating the results, performing statistical analysis, and writing a scientific report and presenting a poster. You will also be involved with other projects in my lab and will have a chance to learn additional techniques such as laboratory animal handling and potential surgery. You will be a co-author of any paper(s) that result from your work and/or on projects of other students where you play a key role.
Adelaine Leung	VBMS	The theme of my lab is to unravel how molecular structures affect the development and functioning of behavioural neural circuits. Come talk to me about possible summer projects! Visit my lab website www.usask.ca/leunglab for more information.
Dylan Olver	VBMS	Diet, exercise and neurocognitive function in pigs
Daniel MacPhee	VBMS	Reproductive Sciences/Placental and Uterine Function
Karen Machin	VBMS	Stress physiology: Relationship between neonatal exposure to corticosterone and glucocorticoid receptor populations in brains of ducklings
Jaswant Singh	VBMS	Reproduction in domestic animals (Ultrasonography, Follicle Development and In vitro Fertilization): Dr Singh's Oocyte Competence team focuses on two major areas: 1. Effects of maternal age on ovarian reproductive biology in the bovine model including hormonal control of follicle growth, oocyte maturation, super ovulation and factors that influence an eggs ability to develop into an embryo. 2. Effects of mycotoxins on reproductive function in ruminants
Micheal Wu	VBMS	Molecular genetics, toxicology and again/diseases, gene cloning

Al Chicoine	VBMS	Parmacology of cannabinoids in animal specis. Projects may include pharmacokinetic, safety/toxicology, efficacy, or residue depletion trials in multiple species
David Janz	VBMS/TOX	Wildlife conservation physiology, aquatic ecotoxicology
VMICRO		
Janet Hill	VMICRO	Microbiomes and Infectious Disease
Tony Ruzzini	VMICRO	Animal-microbe interface: discovery of anti & probiotics
Emily Jenkins	VMICRO	Parasitology, Wildlife Health, Public Health
Kristen Conn	VMICRO	Viral Chromatin Dynamics
Maarten Voordouw	VMICRO	Our group works on the ecology of Lyme disease, which is caused by the tick-borne bacterium, <i>Borrelia burgdorferi</i> . We study how different strains of <i>B. burgdorferi</i> influence the infection phenotype in rodents. Learn a variety of research skills including experimental infections in animal models, immunological and PCR-based diagnostic tools, statistics and how to publish a scientific paper.
VPATH		
Elemir Simko	VPATH	Bacteriology, Toxicology and Pathology of Honey Bees
Catherine Soos	VPATH	wildlife health - Our team uses cutting edge techniques and a multidisciplinary approach to investigate: i. impacts of large scale environmental stressors (such as climate change or oil sands development) on wildlife health, and ii. the determinants, risks, origins, movement patterns, and impacts of infectious diseases of migratory birds, focusing on pathogens of concern to wildlife, domestic animal and human health
Ryan Dickinson Valerie MacDonald-Dickinson	VPATH/SACS	Oncology

Chelsea Himsworth	Animal Health Centre BC Ministry of Agriculture	Canadian Wildlife Health Cooperative – BC Node. Project will be developed collaboratively with the student. Current areas of research activity include: Utility of passive surveillance data for making wildlife health decisions, urban wildlife management for the City of Vancouver, avian influenza surveillance, and bat conservation.
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