

Projects Funded since 1994

Service projects are shaded grey.

Research projects are white.

Integrated projects are shaded green.

Department: HM = Health Management, BS = Biomedical Sciences, CA = Companion Animals, PM = Pathology and Microbiology, VTH = Veterinary Teaching Hospital, TLC=Teaching and Learning Centre, PEIHS = PEI Humane Society, CAT = PEI Action Team, CVER, Centre for Veterinary Epidemiological Research, ILRI = International Livestock Research Institute

Project	Duration	Investigator/s	Department
Medical and surgical care of homeless animals	2023-24	H Gunn-McQuillan P Foley R MacDonald R MacLean M MacLean	VTH CA PEIHS VTH VTH
Motivations and cost-effectiveness of improved cow comfort on smallholder dairy production systems in Kenya	2023-26	J VanLeeuwen D Hall C Ritter J Rao E Muunda	HM U of Calgary HM ILRI (Nairobi) ILRI (Nairobi)
The effect of common laboratory ultrasounds on rat behaviour and physiology	2023-24	P Bernard J Spears L Bigelow	BS BS BS
Environmental enrichment for stress reduction in land-based salmonid aquaculture	2023-26	S Saksida M Fast K Reynolds Whyte	HM PM S HM PM
Medical and surgical care of homeless animals	2022-23	H Gunn-McQuillan P Foley R MacDonald R MacLean M MacLean	VTH CA PEIHS VTH VTH
The impact of volunteering with a wildlife service on empathy in veterinary students	2022-24	L Cusack K Proudfoot C VanLeeuwen	CA HM TLC
Effects of early life experiences on later problematic behaviours in homeless, rescue shelter kitten	2022-25	K Overall K Proudfoot W Montelpare C Martin	HM HM Applied Human Sciences PM
The effect of rearing in a shelved environment on behavioural and physiological markers of welfare	2022-24	P Bernard J Spears	BS BS
Identifying optimal experimenter handling and familiarization protocols that can be universally implemented to improve lab animal welfare	2021-24	P Bernard J Spears L Bigelow	BS BS BS
Effects of veterinary handling on canine behaviour and physiology: Must we scare dogs?	2021-24	K Overall W Montelpare K Proudfoot C Squair	HM AHS HM HM

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Assessment and improvement of horse welfare on Prince Edward Island through benchmarking and a better understanding of horse caretakers' decision-making	2021-24	C Ritter K Proudfoot K MacMillan I Elsohaby S McKenna	HM HM HM Ag. & Land, Gov of PEI HM
Improving animal health and welfare of pets in remote northern Canadian communities 2021	2021-22	J VanLeeuwen M Hopson C Gilroy M Tuma S Kutz	HM CA PM NWT SPCA UCalgary
AVC humane dog training program	2020-21	AM Carey C Newell	CA PEIHS
Assessment and prevention of pain related to udder engorgement in dairy cows	2020-23	S McKenna K Proudfoot G Keefe	HM HM HM
Working donkey welfare assessment and owner education in Meru Count, Kenya - pilot	2020-21	M Mellish	HM
Understanding the natural behaviour and stress response of newborn dairy calves	2020-22	K Proudfoot S McKenna R Meagher M Gordon	HM HM Dalhousie Dalhousie
Improving animal health and welfare of pets in remote northern Canadian communities	2020-21	J VanLeeuwen C Gilroy M Hopson S Kutz M Tuma	HM PM CA Ucalgary NWT SPCA
Prevention of bovine mastitis through a combination of cow comfort and mastitis intervention on smallholder dairy farms in Kenya	2020-26	J VanLeeuwen L Heider G Keefe S McKenna E Kariuki G Gitau	HM HM HM HM HM Professor, U of Nairobi
Ultrasonic vocalizations: A non-invasive ethologically relevant tool to assess home cage welfare in rats	2019-20	P Bernard	BS
AVC humane dog training program	2019-20	AM Carey M Perreault	CA PEIHS
Financial aid for spay or neuter of companion animals of owners on fixed incomes	2019-21	P Foley	CA
Neutering feral cats on PEI	2019-24	M Carr P Foley	CA
AVC Wildlife Service	2019-21	L Cusack O Raab	CA CA
Anthelmintic resistant cyathostomes: A threat to equine welfare on Prince Edward Island	2019-20	WB Stoughton M Neilsen	HM Vet Sciences, U of Kentucky
Development of an equine nasogastric intubation simulator as an aid or alternative to the use of animals in teaching	2019-24	WB Stoughton N Bressan	HM Faculty of SDE, UPEI
Youth training to improve cow and animal welfare in Kenya and Canada - Part 4	2019-20	J VanLeeuwen S Richards	HM HM

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Medical and surgical care of homeless animals	2018-20	H Gunn McQuillan P Foley R MacDonald M MacLean R MacLean P Moak	HM CA PEIHS VTH VTH CA
Frequency, distribution, determinanants and improvements of calf affective welfare status on smallholder dairy farms in Kenya (observational and clinical trials)	2018-21	L Heider J VanLeeuwen S McKenna G Gitau P Kimeli	HM HM HM U of Nairobi HM; PhD student
Recognition of stress levels in hospitalized equine patients during various veterinary procedures: Adaptation of a stabled horse stress scale to a cohort of hospitalized horses	2018-20	L McDuffee W Montelpare K Overall	HM Applied Human Sciences CA
Assessment of the welfare of Sable Island horses through morphometric and radiographic hoof evaluation	2018-20	M Mellish P-Y Daoust R Vanderstichel	HM PM HM
Investigation of the prevalence and clinical significance of <i>Eucoleus boehmi</i> in domestic dogs on Prince Edward Island, Canada	2018-21	O Raab P Foley E Milley	CA CA CA; MSc student
Youth training to improve cow and animal welfare in Kenya and Canada - Part 3	2018-19	J VanLeeuwen S Richards	HM HM
Appropriate prognosis and treatment of horses with respiratory disease - assessing microscopic area and sample volume of bronchoalveolar lavage fluid	2017-19	C Gilroy S Burton K Foote R Vanderstichel E John	PM PM PM; MVSc student HM PM
Initial evaluation of an injectable anesthetic for the castration of male piglets uner field conditions	2017-18	S Hamilton D Hurnik	CA PM
Development of an evidence-based, high-sensitivity canine <i>Lyme borreliosis</i> diagonstic protocol to improve the welfare of dogs in Atlantic Canada	2017-20	S Hartwig	BS
Risck factors for musculoskeletal injuries in a population of Standardbred racehorses on PEI	2017-19	K MacMillan M Cockram J Sanchez	HM HM HM
Care of the dairy calf: Investigation into the welfare and health of calves in the Maritime provinces of Canada	2016-18	L Heider M Cameron J Sanchez J McClure	HM HM HM HM
Research and training to improve stall design and managemnt for better cow welfare and productivity on smallholder dairy farms in Kenya - phase 2	2016-18	J VanLeeuwen S McKenna S Richards G Gitau	HM HM HM; PhD student Professor, U of Nairobi
Clinical care of wildlife at AVC	2016-18	J Spears H Gelens P-Y Daoust	BS CA PM
Financial aid for spay or neuter of companion animals of owners on fixed incomes	2016-18	P Foley	CA

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Achieving meaningful improvements in dairy cow welfare by reducing lameness: Evaluating the effectiveness of herd performance benchmarking & integrated, web-based risk management	2015-18	G Keefe M Cameron M Cockram S McKenna J Sanchez	HM HM HM HM HM
AVC humane dog training program	2017-19	AM Carey B MacLean	CA PEIHS
Research and training to improve stall design and management for better cow welfare and productivity on smallholder dairy farms in Kenya	2014-16	J VanLeeuwen S McKenna G Gitau J Aleri	HM HM Professor, U of Nairobi Instructor, U of Nairobi
Introduction of positive reinforcement theory and techniques to promote humane handling of equine patients in the Atlantic Veterinary College's Large Animal Clinic	2014-17	L McDuffee	HM
Health management services for Handibear Hills Equine Sanctuary Inc.	2017-19	T Muirhead G Conboy K MacMillan	HM PM HM
Health management services for the PEI Equine Retirement Society Inc.	2014-17	W Duckett G Conboy	HM PM
Comparing culture methodology for methicillin-resistant <i>Staph pseudintemedium</i> (MRSP) from unhealthy dogs	2013-16	J McClure A Muckle M Saab	HM PM HM; MSc student
Pilot project on effect of buffers used with fish anesthetics	2013-14	J Spears D Stevens	BS BS
Enhancing animal welfare by potentially improving ease of predicting transfusion reactions in dogs, cats and horses	2012-14	S Burton R Vanderstichel C Gilroy D Villarnovo	PM PM PM HM; MVSc student
Identification of risk factors during broiler transportation that influence injury and mortality	2012-16	M Cockram CW Revie	HM HM; PhD student
The effect of surgical and chemical sterilization on canine testosterone levels and the implications on cultural acceptability and welfare for free-roaming dog populations	2012-14	R Vanderstichel M Forzan J Serpell E Garde	PM PM Professor, U of Pennsylvania Veterinarians without Borders
Evaluation of a palpation phantom to reduce the use of live cows for the instruction of bovine transrectal palpation	2011-16	B Crane J Spears	HM BS
Tangible animal parts from 3-D files	2011-12	R Lofstedt	HM
Comparison of three radiographic techniques in the determination of reproductive status of feral and shelter queens	2011-13	L Pack M Woodland P Rist B Crane	CA CA; MVSc student PM HM
Trichomonosis, an emerging disease in Canadian Maritime wild finch populations and a welfare issue	2010-12	S McBurney M Forzan S Greenwood R Vanderstichel	PM PM PM HM
Trap-neuter-return coordinator	2010-11	AM Carey E Schoales	CA CAT
Animal-assisted activities using AVC teaching beagles	2010-12	J Spears	BS

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Environmental enrichment to reduce stress in shelter cats	2009-12	M Cockram J Ellis N Guy J Spears H Stryn	HM HM; PhD student CA BS HM
Neutering feral cats on PEI	2001-18	P Foley H Gelens K Gibson T Bailey K Keizer	CA CA CA CA DVM student
Chinook Project - providing veterinary care to Northern communities	2006-	L Miller J Magrath M Hopson	PM English Dept., UPEI CA
Study of injuries associated with the handling and transport of horses for slaughter	2009-15	M Cockram I Dohoo C Roy	HM HM HM; PhD student
Welfare issues associated with the transport and slaughter of horses previously kept for recreation or sport	2008-15	M Cockram I Dohoo C Roy	HM HM HM; PhD student
Survey of euthanasia practices in animal shelters in Canada to identify ways of incorporating "best practice" into guidelines for humane euthanasia	2008-09	M Cockram A Mouncilli S McConkey N Caffrey	HM HM BS HM; PhD student
Is there an association between obesity and kidney disease in dogs?	2008-11	D Shaw K Tefft S Ihle S Burton P Foley H Gelens	CA CA; MVSc student CA PM CA CA
Transportation of animals for slaughter in Canada: Current practice, welfare issues, and regulatory control	2008-16	M Cockram I Dohoo N Caffrey V Black	HM HM HM; PhD student
Pegasus feral cat neuter program	2004-	A Crook H Gunn McQuillan K Ling	HM VTH CA
Pegasus Helping Hand Fund	2004-	A Crook H Gunn McQuillan	HM VTH
Investigation of a blood-borne parasite in wild red foxes and in dogs with anemia on PEI	2007-08	B Horney P Foley S McBurney K Teft A Birkenheuer	PM CA PM CA
Are <i>Clostridium difficile</i> and <i>methicillin</i> - resistant <i>Staphylococcus aureus</i> present in horses admitted to the AVC	2007-09	J McClure	HM
Skeletal muscle as a source of bone and cartilage cells to improve healing in the horse	2007-09	L McDuffee	HM

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The effect of dietary selenium supplementation in mares and their foals	2007-09	J Wichtel F Markham J McClure M McNiven M Wichtel J Krauss	HM PM HM HM HM HM; PhD student
Evaluation of platelet function in ill dogs	2006-08	S Burton B Horney A Nicastro P Foley É Côté	PM PM CA CA CA
Survival profile of Standardbred horses on PEI	2006-12	S Dohoo I Dohoo	BS HM
Development of an objective scoring system for changes to the equine pituitary gland in aged horses	2006-09	L Miller W Duckett D McFarlane M Breshears M Miller	PM HM
A new diagnostic test for inflammatory airway disease in the horse	2006-14	M Wichtel W Duckett S Burton A Hoffman	HM HM PM
Improving testing for platelet function in dogs	2005-06	S Burton A Nicastro B Horney	PM CA PM
Pedometer-based physical activity in dogs	2005-06	C Chan S Ihle C Tudor-Locke	BS CA
Fecal survey of parasites infecting humane society animals	2005-07	G Conboy H Barkema E Cawthorn	PM HM PEIHS
Stress reduction by environmental enrichment for shelter cats	2005-06	S Dohoo N Guy	BS BS
Chalmydial status of genital tracts of cats on Prince Edward Island - correlation with histological changes	2005-06	I Gabor	PM
Comparing two treatments for epilepsy in dogs - graduate student funding	2005-07	C Gaskill S Ihle	BS CA
Litterbox size preference of domestic cats	2005-06	N Guy M Hopson	CA CA
Improved pain control for surgery on the front leg of dogs	2005-13	K Lemke L Lamont P Moak B Horney C Creighton	CA CA CA PM CA; MSc student
A diagnostic test for French heartworm	2005-14	F Markham G Conboy H Stryhn A Bourque	PM PM HM PM; MVSc student
Improved diagnosis in equine diarrhea	2005-06	J McClure	HM

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Canadian veterinarians' use of painkillers in cattle, pigs and horses	2004-05	C Hewson I Dohoo K Lemke H Brakema	BS HM CA HM
Vagal manoeuvres to lower heart rate in dogs and cats	2004-12	É Côté	CA
Acupuncture for the treatment of heaves in horses	2004-05	A Ortenburger J McClure L Parsons	HM HM HM; MSc student
Selenium and vitamin E levels in horses on PEI	2004-06	J Wichtel J McClure T Muirhead	HM HM HM; Residency/MSc student
Improving our understanding of glaucoma in dogs and cats: Cox-1, -2, -3	2003-04	C Cullen D Sims	CA BS
Comparing two treatments for epilepsy in dogs	2003-05	C Gaskill	BS
Improving care of cats with seizures: Understanding side effects	2003-05	C Gaskill	BS
A new diagnostic test for joint disease in horses	2003-08	C Riley M Vijarnsorn R A Shaw R C billinghamurst A Cruz	HM HM; PhD student
Improving care of poisoned animals in Atlantic Canada	2002-03	C Gaskill	BS
AVC humane education program	1997-04	N Guy K Gibson	BS CA
Effect of aging on the immune system in horses	2002-05	J McClure D McFarlane D P Lunn	HM BS; PhD student
Acupuncture to treat hip dysplasia in dogs	2002-03	A Ortenburger C Runyon M Parson	HM CA DVM student
Pain management in birds	2001-03	C Runyon A Ferraro E Miller	CA CA; MSc student
Factors affecting the welfare of non-racing horse in PEI	2002-03	C Hewson J Christie I Dohoo M McNiven C Riley	BS BS; MSc student HM HM HM
French heartworm in Newfoundland	2001-04	C Gonboy F Markham L Miller I Vezberger	PM PM PM PM; PhD student
A new treatment for glaucoma	2001-03	C Cullen	CA
Diabetes mellitus and tear formation in dogs	2001-03	C Cullen S Ihle	CA CA
Use of painkillers after surgery	2001-02	C Hewson I Dohoo K Lemke	BS HM CA
Development of a quality of life scale for dogs	2001-03	C Hewson J Wojciechowska	BS BS; MSc student

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Glucosamine: An alternative treatment for arthritis in dogs	2001-02	C Runyon M Vijarnsorn	CA CA; MSc student
Benazepril in dogs with chronic kidney failure	2001-03	D Shaw P Foley A Cribb	CA CA; Residency/PhD student BS
Effects of spaying on the behaviour of young female dogs	2000-02	L Bate N Guy L McMullin	BS BS BS; MSc student
The veterinarian's role in recognizing and reporting animal abuse	2000-02	L Carioto S Kovac C Adams	CA CA; MSc student
Earlier diagnosis of chronic liver disease in dogs	2000-01	C Fuentealba K Gibson B Esparza	PM CA PM; MSc Student
Hearing loss in dogs with end stage ear disease	2000-02	K Gibson D Shaw	CA CA
Screening tests for immune failure in newborn foals	2000-02	J McClure J DeLuca	HM HM
Anesthetic management and complications in draft horses	2000-01	C Riley I Dohoo S Ryan D Riedesel	HM HM DVM student
TGF-beta in chronic kidney failure in dogs	2000-02	D Shaw P Foley A Cribb S Burton	CA CA BS PM
Improved diagnosis of feline infectious peritonitis (FIP) in cats	2000-06	C Yason S Burton A Lopez D Shaw	PM PM PM CA
Lung disease in the horse: The role of <i>P. carinii</i>	1999-01	B Horney L Miller	PM PM
Disease surveillance in 2 wildlife species	1999-04	S McBurney	PM
Treatment of immune failure in newborn foals	1999-01	J McClure J DeLuca	HM HM
A model for bone healing in the horse	1999-01	L McDuffee G Anderson	HM
Classifying liver tumours in dogs	1999-01	P Rose L Miller	CA PM
Equine Sports Medicine Centre	1998-99	P Ehrlich J Pringle W Duckett T Ogilvie W Grasse	HM HM HM HM VTH
Prevention of lameness and breakdown in racehorses	1998-06	I Dohoo W Duckett P Ehrlich P Rose C Kawcak C W McIlwraith R C Bilinghurst	HM HM HM CA

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Canine genetic disorders database	1998-02	A Crook B Hill S Dawson A Cribb	HM CA BS BS
Spay/neuter week on PEI	1998-99	K Gibson L Sartor	CA DVM student
Evaluation of a new treatment for inflammatory airway disease in young Standardbreds	1997-99	I Moore A Cribb J Lofstedt K Day B Horney	HM BS HM VTH PM
Canine lungworm in the Atlantic provinces	1997-99	G Conboy B Horney F Markham	PM PM PM
Acupuncture service at the Atlantic Veterinary College	1996-98	A Ortenburger	HM
Postoperative pain in dogs and cats: - Influence of veterinary education on knowledge and attitudes - Role of animal health technologists	1996-98	S Dohoo I Dohoo	BS HM
Postoperative pain in dogs: Preemptive management	1996-99	K Lemke C Runyon	CA CA
The veterinary garden of poisonous and medicinal plants	1996-97	T Ogilvie D Webster	HM HM
Blood test to evaluate spay status in dogs and cats	1996-00	R Lofstedt J VanLeeuwen	HM HM
Improving the diagnosis of lungworm in dogs	1996-97	G Conboy F Markham B Horney D Shaw	PM PM PM CA
The medial importance of lungworm in Island dogs	1995-96	G Conboy F Markham B Horney D Shaw T Bihl	PM PM PM CA PM; MSc student
Reduction of racing injuries: Protecting lungs and limbs	1995-96	C Collatos J Pringle P Ehrlich	HM HM HM
Reducing kidney damage caused by certain antibiotics in horses	1995-98	J Lofstedt S Burton A Cribb	HM PM BS
Addressing the problem of dominance aggression in dogs	1995-98	L Bate A Leuscher N Guy	BS BS BS; MSc student
Rehabilitation of the convalescing equine athlete	1994-95	J Pringle	HM
Reduction of postoperative pain in dogs	1994-95	S Dohoo	BS