

CANINE RESEARCH FOUNDATION

Research Project Summary : 1994 to 2016

YEAR *	PROJECT	PROJECT LEADERS	GRANT	TOTAL			
			\$	\$			
1994	1. Endoscopic and laparoscopic biopsy	Drs Irwin, Edwards (UMVS)	6000				
	2. Urethral sphincter incompetence	Drs Mitten, Edwards, Wurth (UMVS)	2980				
	3. Coagulation disorders	Dr Parry (UMVS)	12000				
	4. Canine neoplasms	Dr Middleton (UMVS)	3000	23960		23960	
1995	1. Lymphoma cell types and response to treatment in dogs	Dr Middleton (UMVS)	6911		-311		
	2. Coagulation defects caused by snake envenomation in dogs	Drs Parry, Irwin (UMVS)	6000				
	3. Intravenous nutrition during canine parvovirus infection	Drs Phillips, Irwin (UMVS)	6500				
	4. Uterine function and infertility in the bitch	Drs Watts, Lee, Wright (UMVS)	5000				
	5. Automatic photomicrographic system	Dr Middleton (UMVS)	7677	32068		31777	
					31777		
1996	1. Thyroid hormone kinetics of critically ill animals using an immunoradiometric canine TSH analysis	Drs Daly, Irwin, Parry (UMVS)	5000				
	2. Diagnostic imaging in prognosis of chronic degenerative valvular disease	Dr Lavelle (UMVS)	7284				
	3. Lymph node aspiration cytology in immunophenotyping canine nodal lymphoma	Dr Middleton (UMVS)	3000				
	4. Uterine function and infertility in the bitch	Drs Watts, Lee, Wright (UMVS)	7775				
	5. Studies on blood donor dogs	Dr Parry (UMVS)	5940				
	6. Developing tests for PRA	Prof Augusteyn (NVRI)	5000	33999		37910	3600
					34310		
1997	1. Lymph node aspiration cytology in immunophenotyping canine nodal lymphoma	Dr Middleton (UMVS)	2214				
	2. Uterine function and infertility in the bitch	Drs Watts, Lee, Wright (UMVS)	10000				
	3. PRA in the Irish Setter	Prof Augusteyn, P.Maroudas (NVRI)	7500				
	4. Predictors of tumour malignancy	Prof Slocombe (UMVS)	9056				
	5. Diagnosis of allergic skin diseases (withdrawn)	Prof Studdert (UMVS)	5700	34470		38940	4470
					34470		
1998	1. Predictors of tumour malignancy	Prof Slocombe (UMVS)	9765				
	2. PRA in the Irish Setter	Prof Augusteyn, P.Maroudas (NVRI)	7500				
	3. Uterine function and infertility in the bitch	Drs Watts, Lee, Wright (UMVS)	4500				
	4. Collagen changes in spayed and incontinent bitches	Dr Edwards (UMVS)	1760				
	5. Enhanced auscultation in veterinary practice	Dr Mitten (UMVS)	3500				
	6. Chronic rhinitis	Dr Middleton (UMVS)	3000				
	7. Plasma products for transfusion	Dr Parry (UMVS)	4160	34185		34176	9

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1999	1. Uterine function and infertility in the bitch	Drs Watts, Lee, Wright (UMVS)	5500				
	2. Collagen changes in spayed and incontinent bitches	Dr Edwards (UMVS)	4160				
	3. Enhanced auscultation in veterinary practice	Dr Mitten (UMVS)	2400				
	4. Chronic rhinitis	Dr Middleton (UMVS)	3772				
	5. Plasma products for transfusion	Dr Parry (UMVS)	5000				
	6. PRA in the Irish Setter	Prof Augusteyn, P.Maroudas (NVR)	7500				
	7. Disease gene mapping	Dr Wilton (UNSW)	5000		-2500		
	8. Novel strategies to control dog parasites	Prof Gasser (UMVS)	5000		-2500		
	9. Collagen binding assay for von Willebrand Disease diagnosis	Dr Parry (UMVS)	5000	43332	-2500	28332	15000
				35832			
2000	1. Factor VII deficiency in dogs	Dr Parry (UMVS)	4050				
	2. Prevention of uterine infection, cystic endometrial hyperplasia and pyometra	Dr Wright (UMVS)	11568				
	3. The role of apoptosis in cardiac disease	Dr Mitten (UMVS)	5000				
	4. Disease gene mapping (contd)	Dr Wilton (UNSW)	10000	30618		38118	-7500
2001	1. Prevention of uterine infection, cystic endometrial hyperplasia and pyometra	Dr Wright (UMVS)	15600				
	2. The role of apoptosis in cardiac disease	Dr Mitten (UMVS)	5000				
	3. Disease gene mapping (contd)	Dr Wilton (UNSW)	10000				
	4. Spider bite skin lesions	Prof Slocombe (UMVS)	9737	40337		40337	
2002	1. Disease gene mapping (contd)	Dr Wilton (UNSW)	10000				
	2. Vaccination of bitches to prevent uterine disease	Dr Wright (UMVS)	15550				
	3. Ursodeoxycholic acid therapy	Dr Abraham (UMVS)	4000	29550		29550	
2003	1. Improving therapeutic control of seizures	Dr Govendir (Usyd)	15000	15000	-7500	7500	
2004	1. Vaccination to prevent uterine disease	Dr P Wright (UMVS)	15500				
	2. Detection of CL in Border Collies	Dr A Wilton (UNSW)	8000				
	3. Liver dysfunction in Tibetan Spaniels	Dr Abraham (UMVS)	8400				
	4. Histocompatibility complex II	Drs Holloway, Abraham (UMVS)	10000				
	5. Estimating canine serum cortisol values	Dr Irwin (Murdoch)	7300				
	6. Toxigenic Pasteurella multocida	Dr Sandy (UMVS)	10510	59710		61810	5400
				67210			
2005	1. Long term use of phenobarbitone in idiopathic epilepsy	Dr. Govendir (Usyd)	15000		-7500		
	2. Efficacy of cellophane banding for congenital portosystemic shunts	Dr. Abraham (UMVS)	12000		-6000		
	3. Using the dog genome sequence to identify genetic disorders (\$7000 cancelled)	Dr. Wilton (UNSW)	14000	41000	-7000	31900	9100
				20500			

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2006	1. Human-animal interactions and behavioural problems in dogs (withdrawn)	Prof Paul Hemsworth (UMVS)	30000			-20000	
	2. Evaluation of abnormal serum bile acids in the Maltese breed	Dr Linda Abraham (UMVS)	12400	42400			22400
						22400	
2007	1. Preliminary Assessment of Genetic Markers of Stenotic and Regurgitant Cardiac Disease in Dogs	Dr Mansfield (Murdoch)	5000				2500
	2. Evaluation of the Hepatic Microvasculature in Dogs with Congenital Portosystemic Shunts	A/Prof Hunt (Usyd)	7892				3946
	3. Global Gene Expression Profiling of Canine Lymphoma	Dr Nicholls (Murdoch)	21400			-7800	10700
	4. Long Term Use of Phenobarbitone in Canine Idiopathic Epilepsy	Dr Govendir (Usyd)	21300			-10650	
	5. Molecular Signaling Mechanisms of Eosinophilia in Rottweilers	Dr Mansfield (Murdoch)	12100	67692			45242
					69242	-24000	6050
2008	1. Assessment of different methods for treatment of canine aspergillosis	Dr Mansfield (Murdoch)	10,880				
	2. Investigation into 'immunological memory' of dogs vaccinated against parvovirus and distemper (withdrawn)	Drs Norris & Hawke (Sydney)	30,760			-18920	
	3. Investigation of serum bile acids tolerance testing in Cairn Terrier puppies	Dr Abraham (Melbourne)	14,000			-7000	
	4. Genome mapping technique for the rapid identification of MHC Class II haplotype in dogs with common autoimmune diseases	Dr Holloway (Melbourne)	10,000			-5000	
	5. Comparison of one-lung ventilation and two-lung ventilation with intrapleural insufflation on oxygen delivery index during thoracoscopy in the dog (cancelled)	Dr Yates (Melbourne)	12,825				
	6. The role of oxygen radicals in fatty liver diseases of dogs	Dr Sandy (Melbourne)	10,227	88,692		-550	82,752
					75,672	7,080	
2009	1. Magnetic resonance imaging as a predictor of stifle pathology in naturally occurring cruciate ligament disease in dogs	Dr A. Dart (Sydney)	19,500				
	2. Canine superficial pyoderma: should we be concerned about multidrug resistant Staphylococcus species?	Dr Linda Vogelnest (Sydney)	18,900			-12,200	
	3. Characterisation of canine adipose derived mesenchymal stem cells for treatment of diseases and disorders in dogs	Dr Paul Sheehy (Sydney)	40,000			-20000	
	4. An integrated genomics source for the health and well-being of dogs in Australia	A/Prof Peter Williamson (Sydney)	48,000	126,400		-24,000	82,750
2010	Commercial vaccines	Drs Norris & Hawke (Sydney)	11,840			82,750	0
	1. Methods to reduce severity and frequency of surgical site infection (withdrawn)	Prof. Ted Whittam (Melbourne)	12,000			-5,500	
	2. Assessment of lidocaine analgesic as an analgesic after abdominal surgery	Dr Sarah Haldane (Melbourne)	9,550				
	3. Measurement of faecal cytokines in healthy and diarrhoeic dogs	Dr Caroline Mansfield (Murdoch)	11,374			-6,374	
	4. Finding glaucoma genes in the canine	A/Prof Paul Baird (Melbourne)	10,881				
	5. Loss of heterozygosity from chromosome 5 in canine oligodendrogliomas	Dr Sam Long (Melbourne)	6,500	62,145		-2,500	103,971
						103,971	0
2011	1. Generation of 'clinic ready' induced pluripotent stem cells for regenerative medicine	Dr Paul Sheehy (Sydney)	30,000			-15,000	
	2. Primary immunodeficiency in Australian German Shepherds	A/Prof Peter Williamson (Sydney)	32,000			-16,000	
	3. Use of multi-voxel proton spectroscopy to detect metabolic products in normal canine brains and those affected by epilepsy disorders	Dr Sam Long (Melbourne)	9,880			-4,880	
	4. NALP3 inflammasome activation in canine health and disease	Dr R. Sluyter (Wollongong)	10,000	81,880		60,374	47,549
						-12,825	Refund

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2012	1. Coxiella burnetii (Q fever): is this an important agent of disease in Australian dogs and reservoir for human infection?	Dr Katrina Bosward (Sydney)	14,050			
	2. Naturally occurring bacteriocins; a novel therapy for the treatment of multi-drug-resistant E.coli urinary tract infections in dogs.	Dr Justine Gibson (Queensland)	12,900			
	3. Characterisation of an antibody directed at Canine Telomerase Reverse Transcription	Dr Sam Long (Melbourne)	9,030		-4,515	
	4. Structural and biochemical pathologies of canine epilepsy.	Dr Marjorie Milne (Melbourne)	11,172	47,152	-5,586	72,931
					72,931	
2013	1. What is the genetic cause of haemangiosarcoma in dogs?	Dr Caroline O'Leary (Queensland)	18,240			
	2. Development of a novel approach to evaluate immune responses in dogs.	Dr Caroline Mansfield (Melbourne)	9,570			
	3. The role of Kisspeptins in the management of ovulation in anoestrous bitches.	Dr Christopher Scott (Wagga Wagga)	14,696			
	4. Assessment of deposition patterns of 99m Technetium labeled-Fluticasone propionate in the airways of healthy dogs using metered dose inhalers compared to nebulisation: a randomized cross-over study.	Dr Kathleen Chow (Melbourne)	13,157			
	5. Naturally occurring bacteriocins; a novel therapy for the treatment of multi-drug-resistant E.coli urinary tract infections in dogs.	Dr Justine Gibson (Queensland)	14,775	70,438	80,539	15,876
					-64,663	Refund
2014	1. Mapping canine sensorineural deafness in the Australian cattle dog.	Dr Susan Sommerlad, University of Queensland	20,265			
	2. What is the genetic cause of haemangiosarcoma in dogs?	Dr Caroline O'Leary (University of Queensland)	19,600			
	3. Efficacy of a personalised tumour vaccine to treat dogs with cancer.	Dr Chris Weir, University of Sydney, Bill Walsh Cancer Research	15,000			
	4. A comparison of hydroxyethyl starch 130/0.4, 4% succinylated gelatine and whole blood for the treatment of hemorrhagic shock in dogs	Dr Lisa Smart, Murdoch University	14,493			
	5. Dogs, ticks and pathogens; the search for new and potentially zoonotic pathogens	Dr Peter Irwin, Murdoch University	12,627			Requested payments as \$12,627 in year one (2014) and \$9,487 in year 2 (2015) - Judging from what done in prior years – the total of both years is included at the completion of the second year. (2015)
			9,487		9,487	
	6. Investigation of cytokine concentrations in the cerebrospinal fluid of dogs with meningoenephalitis of unknown origin before and following therapy.	Dr Susan Bennett, Murdoch. University	8,522			Requested payments as \$8,522 in year one (2014) and \$11,466 in year 2 (2015) - Judging from what done in prior years – the total of both years is included at the completion of the second year. (2015)
		11,466		11,466		
7. Guiding treatment regimes with anthelmintic sensitivity profiling in hookworms sourced from animal shelter dogs in Queensland/Australia.	Prof Jacquie Rand, University of Queensland	14,904		-20,953		
8. Development of an E. coli vaccine against canine pyometra.	Dr Natali Krekeler, University of Melbourne	8,702	135,066	114,113	114,113	
				20,953		
2015	1. Dogs, ticks and pathogens; the search for new and potentially zoonotic pathogens	Dr Peter Irwin, Murdoch University	carried over from 2014			
	2. Investigation of cytokine concentrations in the cerebrospinal fluid of dogs with meningoenephalitis of unknown origin before and following therapy.	Dr Susan Bennett, Murdoch. University	carried over from 2014			
	3. Joint loading in agility dogs and possible association with chronic repetitive sprain injury of the carpus	Dr Winnie Shih, Murdoch University	12,650			
	4. Development of Biomarkers for Canine Visceral Haemangiosarcoma	Dr Caroline O'Leary, The University of Queensland	19,200			
	5. The role of gap junction channels, growth factors, and cytokines in the diseased canine cornea	Dr John Wright, The University of Queensland	12,587			Requested payments as \$12,587 in year one (2015) and \$13,463 in year 2 (2016) - The total of both years is included at the completion of the second year (2016)
		2016	13,463	13,463	Carry over to 2016	

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	6. Evaluation of serial thromboelastography and platelet mapping in dogs with immune-mediated haemolytic anemia treated with apirin or clopidrogrel	Dr Christine Griebisch, University of Sydney	16,240				
	7. Assessing the global health of the colon. Understanding the changes in microbiome, short chain fatty acids, goblet cells and mucins in dogs with acute and chronic colitis	Assoc Prof Caroline Mansfield, The University of Melbourne	12,529				Requested payments as \$12,529 in year one (2015) and \$13,513.50 in year 2 (2016) - Judging from what done in prior years – the total of both years is included at the completion of the second year. (2016)
		2016	13514		13514		Carry over to 2016
				100,183	94,159	94,159	
2016	1. Combination novel immunotherapeutics for the treatment of dogs with cancer	Dr Rachel Allavena University of Queensland	12,500				
	2. Genetic variants associated with development of canine visceral haemangiosarcoma	Dr Caroline O'Leary University of Queensland	19,200				
	3. Characterisation of pyometra-causing Escherichia coli in young and old dogs	Dr Natalie Krekeler, The University of Melbour	5,770				
	4. Enteric Parasitism and the Aetiology of Diarrhoea in Puppies	Prof Richard Thompson, Murdoch University	12,080				
	5. Genetic management of canine lymphoma	Assoc Prof Peter Williamson, University of Syc	15,000				
				64,550	26,977	86,266	
	Yes you are correct we agreed to the two projects list below with a carry over expenditure for 2016 of \$13,513.50 and \$13,463.00, which makes a total carrier forward to 2016 of \$26,976.50				91,527.00	-5,261.00	refund
2017	1. Distribution of genetic mutations associated with degenerative myelopathy	Dr Jayne McGhie University of Queensland	4,250				
	2. Bacterial vaccine against canine pyometra	Dr Natalie Krekeler University of Melbourne	3,585				
	3. A safety trial of next generation cancer vaccines and targeted IL-15 plasmid therapy	Dr Christopher Weir Kolling Institute	14,142				
	4. Imaging and and monitoring osteosarcoma with a novel radiolabelled peptide	Assoc Prof. C Palmieri University of Queensland	28,737.50				
	5. Biomarkers of canine glaucoma – early detection and disease progression	Dr Andrew White University of Sydney	31,258				
				81,973.5		67,986.0	
2018	1. Towards eliminating canine hip-dysplasia: German Shepherd dogs as a model Distribution of genetic mutations associated with degenerative myelopathy	Professor Bill Ballard, University of New South Wales	17,685.			-13,987.5	refund
	2. Assessing the canine uterine microbiome	Dr Natali Krekeler, University of Melbourne	9,781				
	3. The effect of diet on the host and microbiome metabolome	Assoc Prof Caroline Mansfield, The University of Melbourne	18,605				
	4. Genetic Studies of canine glaucoma	Prof Paul Baird, The University of Melbourne	14,668.00				
	5. Canine lymphoma management by DNA analysis	Assoc Prof Peter Williamson, The University of Sydney	20,000				
	6. Genetics of mitral valve disease in Cavalier King Charles Spaniels	Assoc Prof Niek Beijerink	15,000				
				95,739			
						1,294,887	
						95739	
						1,390,626	
	* Year is that in which the research is to commence.	TOTAL OF GRANTS AWARDED (127)		\$1,386,841			
		less: CANCELLATIONS (6)		98,285		-96,737	
		NET TOTAL OF GRANTS FUNDED (121)		\$1,337,091		(\$53,535)	