

**CANINE RESEARCH FOUNDATION**

**Research Project Summary : 1994 to 2017**

YEAR *	PROJECT	PROJECT LEADERS	GRANT	TOTAL
			\$	\$
<b>1994</b>	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	<b>23980</b>
<b>1995</b>	1. Lymphoma cell types and response to treatment in dogs	Dr Middleton (UMVS)	6911	
	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	<b>32088</b>
<b>1996</b>	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	<b>33999</b>
<b>1997</b>	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 Diagnosis of allergic skin diseases (withdrawn)	Prof Studdert (UMVS)	5700	<b>34470</b>
<b>1998</b>	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	<b>34185</b>

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<b>1999</b>	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 (NVRI)	7500	
	7. Disease gene mapping	Dr Wilton (UNSW)	5000	
	8. Novel strategies to control dog parasites	Prof Gasser (UMVS)	5000	
	9. Collagen binding assay for von Willebrand Disease diagnosis	Dr Parry (UMVS)	5000	<b>43332</b>
<b>2000</b>	1. Factor VII deficiency in dogs	Dr Parry (UMVS)	4050	
	2. Preventon 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	<b>30618</b>
<b>2001</b>	1. Preventon 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	<b>40337</b>
<b>2002</b>	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	<b>29550</b>
<b>2003</b>	1. Improving therapeutic control of seizures	Dr Govendir (Usyd)	15000	<b>15000</b>
<b>2004</b>	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	<b>59710</b>
<b>2005</b>	1. Long term use of phenobarbitone in idiopathic epilepsy	Dr. Govendir (Usyd)	15000	
	2. Efficacy of cellophane banding for congenital portosystemic shunts	Dr. Abraham (UMVS)	12000	
	3. Using the dog genome sequence to identify genetic disorders (\$7000 cancelled)	Dr. Wilton (UNSW)	14000	<b>41000</b>

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<b>2006</b>	1. Human-animal interactions and behavioural problems in dogs (withdrawn)	Prof Paul Hemsworth (UMVS)	30000	
	2. Evaluation of abnormal serum bile acids in the Maltese breed	Dr Linda Abraham (UMVS)	12400	<b>42400</b>
<b>2007</b>	1. Preliminary Assessment of Genetic Markers of Stenotic and Regurgitant Cardiac Disease in Dogs	Dr Mansfield (Murdoch)	5000	
	2. Evaluation of the Hepatic Microvasculature in Dogs with Congenital Portosystemic Shunts	A/Prof Hunt (Usyd)	7892	
	3. Global Gene Expression Profiling of Canine Lymphoma	Dr Nicholls (Murdoch)	21400	
	4. Long Term Use of Phenobarbitone in Canine Idiopathic Epilepsy	Dr Govendir (Usyd)	21300	
	5. Molecular Signaling Mechanisms of Eosinophilia in Rottweilers	Dr Mansfield (Murdoch)	<u>12100</u>	<b>67692</b>
<b>2008</b>	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	
	3. Investigation of serum bile acids tolerance testing in Cairn Terrier puppies	Dr Abraham (Melbourne)	14,000	
	4. Genome mapping technique for the rapid identification of MHC Class II haplotype in dogs with common autoimmune diseases	Dr Holloway (Melbourne)	10,000	
	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)	<u>10,227</u>	<b>88,692</b>
<b>2009</b>	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	
	3. Characterisation of canine adipose derived mesenchymal stem cells for treatment of diseases and disorders in dogs	Dr Paul Sheehy (Sydney)	40,000	
	4. An integrated genomics source for the health and well-being of dogs in Australia	A/Prof Peter Williamson (Sydney)	<u>48,000</u>	<b>126,400</b>
<b>2010</b>	1. Methods to reduce severity and frequency of surgical site infection (withdrawn)	Prof. Ted Whitem (Melbourne)	12,000	
	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	
	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)	<u>6,500</u>	<b>50,305</b>
<b>2011</b>	1. Generation of 'clinic ready' induced pluripotent stem cells for regenerative medicine	Dr Paul Sheehy (Sydney)	30,000	
	2. Primary immunodeficiency in Australian German Shepherds	A/Prof Peter Williamson (Sydney)	32,000	
	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. NALP3 inflammasome activation in canine health and disease	Dr R. Sluyter (Wollongong)	<u>10,000</u>	<b>81,880</b>

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<b>2012</b>	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. Structural and biochemical pathologies of canine epilepsy.	Dr Marjorie Milne (Melbourne)	11,172	<b>47,152</b>	
<b>2013</b>	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	<b>70,438</b>	
<b>2014</b>	1. Mapping canine sensor ineural 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 themorrhagic 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 9,487		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)
	6. Investigation of cytokine concentrations in the cerebrospinal fluid of dogs with meningoencephalitis of unknown origin before and following therapy.	Dr Susan Bennett, Murdoch. University	8,522 11,466		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)
	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		
8. Development of an E. coli vaccine against canine pyometra.	Dr Natali Krekeler, University of Melbourne	8,702	<b>126,364</b>		
<b>2015</b>	5. Dogs, ticks and pathogens; the search for new and potentially zoonotic pathogens	Dr Peter Irwin, Murdoch University	12,627 9,487		
	6. Investigation of cytokine concentrations in the cerebrospinal fluid of dogs with meningoencephalitis of unknown origin before and following therapy.	Dr Susan Bennett, Murdoch. University	8,522 11,466		
	1. Joint loading in agility dogs and possible association with chronic repetitive sprain injury of the carpus	Dr Winnie Shih, Murdoch University	12,650		
	2. Development of Biomarkers for Canine Visceral Haemangiosarcoma	Dr Caroline O'Leary, The University of Queensland	19,200		

