

## **Curriculum Vitae** **Elizabeth Margaret Deane**

### ***Academic Qualifications***

BSc (Hons 1), University of Sydney, Australia, 1975

PhD, University of Sydney, Australia, 1981

### ***Present Position***

Pro-Vice Chancellor

The Australian National University

Canberra, ACT. Australia.

### ***Profile***

I am currently a Pro-Vice Chancellor at The Australian National University (2008 - ) and have held academic leadership positions in Australian Universities since 1989. This includes Foundation Head of the Department of Biological Sciences; Head of School of Sciences and Interim Dean of College of Science and Technology at the University of Western Sydney (1989 – 2000) and Dean of Division of Environmental and Life Sciences at Macquarie University, Sydney (2000 – 2008).

In my current position I am responsible for oversight of the Learning and Teaching portfolio at ANU, including policy development and renewal; quality assurance and enhancement in educational programs, strategies and support for academic staff to enhance teaching and a broad program of initiatives concerned with enhancing the quality of the ANU student experience. I currently Chair the University Quality and Standards Committee and Student Development Committee and am responsible for the unit which supports academic staff development for teaching and learning at the university, CEDAM. I am also responsible for the Halls and Colleges of Residence and the Office of the Dean of Students. With respect to external ANU relationships I am responsible for the ANU National Alliance group of Universities – USQ, CDU, UC, UniSA and Uni Newcastle and for oversight of the ANU Secondary College and relationships with the ACT Department of Education and with Canberra Institute of Technology.

Since commencing at the ANU I have undertaken a number of initiatives directed at improving support, recognition and investment in teaching and learning, including appointment of in-College academic developers/educational technologists to provide at elbow advice; teaching enhancement grants; an annual teaching festival; new teaching awards; appointment of an internship co-coordinator, a student enrichment officer and support for the roll out of a new learning management system.

I have been and am a member of a number of Boards, including: Access Macquarie, the commercialization arm of Macquarie University; the federal Government (DIISR) CRC Committee; Biomed North, a consortium aimed at increasing the interface between university and medical research and industry to deliver commercial outcomes; the Board of Governors of the Australian Spinal Research Foundation and have completed the Australian Company Directors Course. I was also an active member of the Australian Council of Deans of Science Executive until appointment at ANU as well as an active researcher in the field of marsupial immunology. I am a trained reviewer for the Quality Assurance Agency (QAA) of Scotland (by invitation), the body responsible for reviews of Scottish Higher Education institutions.

My research expertise covers the area of immune function and disease in marsupials, with a particular focus on immunological protection of the neonate and young. I was a member of the Executive of the CRC for Conservation and Management of Marsupials and have held competitive ARC Linkage grants with Perth Zoo, Taronga Zoo, TGR Biosciences and Murdoch University and ARC Discovery Grant on Antimicrobials in Marsupials. I have published over 80 C1 papers and have successfully supervised 20 PhD students to completion.

### *Career History*

2008 -	Pro-Vice Chancellor, The Australian National University
2000- 2008	Professor and Dean, Division of Environmental and Life Sciences, Macquarie University; Professor of Biological Sciences (continuing position)
2004	Visiting Research Fellow University of New Mexico
2000	Interim Dean, College of Science and Technology, University of Western Sydney
1998-2000	Associate Professor, Head, School of Science, UWS Nepean
1997	Project Area Coordinator and Executive Member CRC for Conservation & Management of Marsupials
1993-1997	Associate Professor, Head of Department of Biological Sciences, University of Western Sydney, Nepean
1989-1993	Senior Lecturer, Foundation Head of Department of Biological Sciences, University of Western Sydney, Nepean
1985-1989	Lecturer, Faculty of Science & Technology. Nepean College of Advanced Education
1982-1984	Research Assistant/Senior Research Assistant/Postdoctoral Research Fellow (NH&MRC), School of Biological Sciences, Macquarie University
1980-1981	Career interruption
1978-1979	PhD, University of Sydney, Commonwealth Postgraduate Research Scholarship
1977	Career interruption
1975-1976	PhD, University of Sydney, Commonwealth Postgraduate Research Scholarship
1974	BSc (First Class Hons), University of Sydney
1973	Scientific Officer, Prince of Wales Hospital, Sydney
1970-1972	BSc University of Sydney

## ***Committee membership***

### **Current external roles**

International Reviewer, Quality Assurance Agency of Scotland (2009 – present)  
External Chair UWS Research Integrity Committee (2005 – present)  
Member, ANU-ACT Department of Education ANU Secondary College Steering Committee (2008 – present)  
Member ANU-CIT Steering Committee (2008 – present)  
Member Board of Governors, Australian Spinal Research Foundation (2005 – present)  
Member, Southern Cross University Promotions Committee (2007 –  
Chair, forthcoming review Faculty of Arts and Science, Australian Catholic University

### **Recent external roles**

Member, Australian Government CRC Committee and Communications Sub-Committee (2005 – 2010)  
Member, National Teaching Fellows Application Review group, Australian Learning and Teaching Council (2009, 2010, 2011)  
Invited Chair, 7<sup>th</sup> Annual Higher Education Summit Melbourne (Day 1) 2<sup>nd</sup> and 3<sup>rd</sup> April 2009  
Member, Board, Access Macquarie (2005- 2008)  
Member, Executive Board of Australian Council of Deans of Science (1998 – 1999; 2004 – 2008); Secretary/Treasurer 2007/2008  
Member, Young Tall Poppies Selection Committee (2005 - 2007)  
Member, Kur-ring-gai Council, Environmental Advisory Committee (2005 - 2007)  
Foundation Member, Board of Directors, Biomed North (2001 – 2008)  
Member, Board and Research Committee of Sydney Institute of Marine Science (2006 – 2008)  
Member, Advisory Board Northern Sydney Institute of TAFE (2007 – 2008)  
Chair, Review of Faculty of Science, Griffith University  
Chair, Review of Environmental Programs, Flinders University  
Member, Review of BSc, University of Newcastle  
Member, Review of Environmental Programs, University of Canberra  
Member, Internal Grants Committee; Distinguished Visitors Committee and Research Infrastructure Committee, UWS  
Member, Professorial Promotions Committee, UTS, Southern Cross University and University of Tasmania

### **Previous Macquarie University roles**

Member, Academic Senate (2000 – 2008)  
Member, Senior Management Group (2006 – 2008)  
Member, Enrolment Planning Group (2000 – 2008)  
Member, Student Discipline Committee (2000 – 2008)  
Member, Advisory Committee Macquarie University Institute of Biotechnology (2003 – 2008)  
Member, Chiropractic Advisory Committee (2000 – 2008)  
Chair, Fauna Park Management Committee and thence Member, Animal Facilities Committee (2001 – 2008)  
Chair, Division Executive and ex-officio member of Division committees – Teaching and Learning; Research Strategy; and Research Higher Degree Studies; Outreach

### Selected previous governance and co-ordination roles

Member, Advisory Committee Australia Proteome Analysis Facility (2003 – 2005)  
Member, Children's Medical Research Institute Biosafety Committee (1993 - 2006)  
Member, Westmead Hospital Biosafety Committee (1992 - 2006)  
Deputy Chair/Acting Chair, UWS Nepean Academic Board (1997 - 2000)  
External Chair, UWS Human Ethics Research Committee (1999 – 2005) Committee Member (inception 1991 - 2005)  
Chair, UWS Nepean Biosafety/Bioethics Committee (inception 1995 - 2000)  
Chair, UWS Nepean Women's Research Program (inception 1999 - 2000)  
Chair, UWS Nepean Summer Research Award Committee (inception 1994 - 1996)  
Thence, Member, UWS Nepean Cooperative Program Committee (1997 - 2000)  
Member, UWS Senate (1997 - 2000); Research & Graduate Studies Management Committee (1998 - 2000); Promotions Committee (1997 - 2000); Student Affairs Committee (1998 – 2000); Articulation Committee (1998 - 2000); Allocations Committee (1998 - 2000); Academic Study Leave Committee (1998 - 2000); Courses Management Working Party (1998 - 2000); Member, UWS Research Coordinating Committee (1992 - 1996); Member, UWS Nepean Research Management Committee (inception 1986 - 1996)  
Member, Executive, Cooperative Research Centre for Conservative Management of Marsupials (1997 - 2003)  
Member, Organising Committee 1999 Mammals Conference (Mammals Society)  
Member, Organising Committee 2000 International Conference on Developmental & Comparative Immunology (ISDCI Society)

### *Research Publications : Science discipline*

My position at the ANU have prevented me from continuing to have an active role as a research scientist.

### **Journal Articles**

- Duncan LG, Nair SV, **Deane EM** (2010) Molecular characterisation of the CD79a and CD79b subunits of the B cell receptor complex in the grey short-tailed opossum (*Monodelphis domestica*) and tammar wallaby (*Macropus eugenii*): delayed B-cell immunocompetence in marsupial neonates, *Veterinary Immunology and Immunopathology* 136: 235 - 247
- Chhour, KL, Hinds, LA., Jacques, NA and **Deane EM** (2010) An observational study of the microbiome of the maternal pouch and saliva of the tammar wallaby, *Macropus eugenii* and of the gastrointestinal tract of the pouch young. *Microbiology* 156, 798-808
- Vilcins, IM., Old, JM., and **Deane EM** (2009) Detection of a Hepatozoon and spotted fever group Rickettsia species in the common marsupial tick (*Ixodes tasmani*) collected from wild Tasmanian devils (*Sarcophilus harrisii*), Tasmania. *Veterinary Parasitology* 162: 23 -31
- Vilcins, IM., Old, JM and **Deane EM** (2009) Molecular detection of *Rickettsia*, *Coxiella* and *Rickettsiella* in three Australian native tick species. *Exp. Appl. Acarol.* 49 (3): 229 - 242
- Vilcins, IM, Fournier, PE, , Old, JM and **Deane, EM** (2009) Evidence for the Presence of *Francisella* and Spotted Fever Group *Rickettsia* DNA in the Tick *Amblyomma fimbriatum* (Acari: Ixodidae), Northern Territory, Australia *J. Medical Entomology* 46(4):926-933.
- Carman RL, Old JM, Baker, M., Jacques NA and **Deane EM** (2009) Identification and expression of a novel marsupial cathelicidin from the tammar wallaby (*Macropus eugenii*) *Veterinary Immunology and Immunopathology* 127: 269–276

- Hill NJ, Power M , **Deane EM** , (2009) Absence of Ross River virus amongst Common brushtail possums (*Trichosurus vulpecula*) from metropolitan Sydney, Australia *Eur J Wildl Res* 55:313–316
- Vilcins, IM., Ujvari, B., Old, JM and **Deane EM** (2009) Molecular and morphological description of a *Hepatozoon* species in reptiles and their ticks in the Northern Territory, Australia, *Journal of Parasitology* 95(2):434-442
- Vilcins IM, Kosoy, M Old JM, **Deane EM** (2009 ) Bartonella-like DNA detected in Ixodes tasmani ticks (Acari: Ixodida) infesting koalas (*Phascolarctos cinereus*) in Victoria, Australia. *Vector-Borne and Zoonotic Diseases* 9 (5) 499 – 503
- Dowle, M and **Deane EM** (2009) Attitudes to native bandicoots in an urban environment *Eur J Wildl Res* 55, 45-52
- Carman RL, Simonian MR, Old JM, Jacques NA , **Deane EM** (2008) Immunohistochemistry using antibodies to the Cathelicidin LL37/hCAP18 in the tammar wallaby (*Macropus eugenii*) *Tissue and Cell* 40, 459 - 466
- Ambatipudi K, Joss J, Raftery M, **Deane EM** (2008) A proteomic approach to analysis of antimicrobial activity in marsupial pouch secretions. *Developmental and Comparative Immunology* 32,108 – 120
- Ambatipudi K and **Deane EM** (2008) In search of neutrophil granule proteins of the tammar wallaby (*Macropus eugenii*) *Molecular Immunology* 54(3) 690 – 700
- Joss JL, Molloy MP, Hinds L , **Deane EM** (2008) A longitudinal study of the protein components of marsupial milk from birth to weaning in the tammar wallaby (*Macropus eugenii*) *Developmental and Comparative Immunology*. 33, 152-161
- Daly KA, Lefevre C, Nicholas KR, **Deane EM**, Williamson P. (2008) CD14 and TLR4 are expressed early in tammar (*Macropus eugenii*) neonatal development. *J Exp Biol*. 211, 1344-1351
- Daly KA, Lefevre C, Nicholas K, **Deane E**, Williamson P. (2008) Characterization and expression of Peroxiredoxin 1 in the neonatal tammar wallaby (*Macropus eugenii*). *Comp Biochem Physiol B Biochem Mol Biol*.149,108-119.
- Daly KA, Digby MR, Lefevre C, Nicholas KR, **Deane EM**, Williamson P. (2008) Identification, characterization and expression of cathelicidin in the pouch young of tammar wallaby (*Macropus eugenii*). *Comp Biochem Physiol B Biochem Mol Biol*. 149,524-533.
- Hill, NJ, Dubey, JP, Vogelnest, L, Power, ML, **Deane EM**: (2008) Do free-ranging Common brushtail possums (*Trichosurus vulpecula*) play a role in the transmission of *Toxoplasma gondii* within a zoo environment? *Veterinary Parasitology* 152, 202 - 209
- Vilcins IM., Old JM, Körtner G, **Deane EM** (2008) Ectoparasites and skin lesions in wild caught Spotted-tailed Quoll (*Dasyurus maculatus*) (Marsupialia: Dasyuridae) *Comparative Parasitology* 75 (2), 271 - 277
- Chhour KL, Hinds LA, Jacques NA, **Deane EM** (2008) The microbiome of the cloacal openings of the urogenital and anal tracts of the tammar wallaby, (*Macropus eugenii*). *Microbiology* 154, 1535 - 1543
- Vilcins, IM., Old, JM., **Deane EM** (2008). Detection of a Spotted Fever Group Rickettsia in the tick *Ixodes tasmani* collected from koalas (*Phascolarctos cinerius*) in Port Macquarie, Australia *Journal of Medical Entomology* 45, (4) , pp. 745-750(6)
- Ambatipudi K, Joss J, **Deane EM** (2007) A comparative proteomic analysis of skin secretions of the tammar wallaby (*Macropus eugenii*) and the wombat (*Vombatus ursinus*) *Comparative Biochemistry and Physiology D: Genomics and Proteomics* 2 (4) 322 – 331
- Duncan LG, Nair SV, **Deane EM** (2007) Molecular characterisation and expression of CD4 in two distantly related marsupials: the gray short-tailed opossum (*Monodelphis domestica*) and tammar wallaby (*Macropus eugenii*) *Molecular Immunology* 44, 3641 - 3652

- Joss J, Molloy M, Hinds L, **Deane EM** (2007) Proteomic Analysis of Early Lactation Milk of the tammar wallaby (*Macropus eugenii*) *Comparative Biochemistry and Physiology D: Genomics and Proteomics* 2, 150 -164
- Hill NJ, Carbery KA, **Deane EM** (2007) Human – possum conflict in urban Sydney, Australia: Public perceptions and implications for species management. *Human Dimensions of Wildlife Management* 12, 101 - 113
- Hill, NJ, Rose K, **Deane EM** and Old JM (2007) *Rodentolepis fraterna*: mortalities in the Spinifex hopping mouse *Aus Vet J* 85, 62-64
- Old, JM, Hill NJ, **Deane, EM** (2007) Isolation of the mite *Myocoptes musculus* Koch from the Spinifex Hopping mouse (*Notomys alexis*) *Laboratory Animals* 41,292-295
- JM Old, RL Carman, G Fry and **Deane EM** (2006) The Immune Tissues of the Endangered Red-tailed Phascogale (*Phascogale calura*). *J Anatomy* 208, 381-387
- Young LJ and **Deane EM** (2007) Culture and Stimulation of Tammar Wallaby Lymphocytes, *Veterinary Research Communications* 31, 685-701
- Young LJ and **Deane EM** (2006) A longitudinal study of changes in blood leucocytes in the tammar wallaby *Macropus eugenii* *Comp. Clin. Path* 15, 63 -69
- Ambatipudi K, Old J, Guilhaus M, Raftery M, Hinds L, **Deane EM** (2006) Proteomic analysis of the neutrophil proteins of the Tammar wallaby (*Macropus eugenii*) *Comparative Biochemistry and Physiology D: Genomics and Proteomics* 1, 283 – 291
- Old JM, Carman RL, Fry G and **Deane EM** (2006) The Immune Tissues of the Endangered Red-tailed Phascogale (*Phascogale calura*). *J Anatomy* 208, 381-387
- Young LJ and **Deane EM** (2006) A longitudinal study of changes in blood leucocytes in the tammar wallaby *Macropus eugenii* *Comp. Clin. Path* 15, 63 -69
- Joss JJ, Molloy, MP, Hinds LA, **Deane, EM** (2006) Evaluation of chemical derivatisation methods for protein identification using MALDI MS/MS *International J. Peptide Research and Therapeutics* 12, 225-235
- Young LJ, **Deane EM** (2005) Morphology and ultrastructure of the blood cells of the tammar wallaby, *Macropus eugenii* *Comparative Clinical Pathology* 14, 36-47
- Vilcins, I, Old JM, **Deane EM** (2005) The impact of ticks and tick-borne diseases on native animals in Australia. *Microbiology Australia* 26, 76-78
- Old J and **Deane EM** (2005) Antibodies to the Ross River virus in marsupial populations in urban areas of eastern New South Wales, Australia *J Wildlife Diseases* 41,64-67
- McKenzie, S, **Deane EM** (2005) Faecal corticosteroid levels as an indicator of wellbeing in the tammar wallaby, *Macropus eugenii* *Comparative Biochemistry and Physiology* 140, 81-87
- LJ Young and **EM Deane** (2005) Culture and characterisation of peripheral blood monocytes and monocyte-derived adherent cells of the tammar wallaby, *Macropus eugenii* *Immunology Letters*, 96, 253 - 259
- Old, J. M. Selwood L and **Deane, E. M.** (2004). The appearance and distribution of mature T and B cells in the developing immune tissues of the stripe-faced dunnart (*Sminthopsis macroura*). *J Anatomy* 205, 25 - 33
- McKenzie, S, **Deane EM**, Burnett, L (2004) Are serum cortisol levels a reliable indicator of well-being in the tammar wallaby, *Macropus eugenii*? *Comparative Biochemistry and Physiology* 138, 341 - 348
- Harrison GA, McNicol, KA, **Deane EM** (2004) Interferon  genes from a marsupial, *Macropus eugenii* *Developmental and Comparative Immunology* 28, 927 - 940
- Harrison, GA, McNicol, KA, **Deane EM** (2004) Type 1 Interferon genes from the egg-laying mammal, *Tachyglossus aculeatus* *Immunology and Cell Biology* 82, 112 - 118
- Old, J. M. Selwood L and **Deane, E. M.** (2004). A developmental investigation of the liver, bone marrow and spleen of the stripe-faced dunnart (*Sminthopsis macroura*). *Developmental and Comparative Immunology.* 28, 347-355

- Old, JM, Selwood, L, **Deane, EM** (2004) Development of the lymphoid tissues of the striped-faced dunnart *Cells, Tissues and Organs* 175, 192 – 201
- McKenzie, S & **Deane EM** (2003) The effects of age, season and gender on serum cortisol levels in the tammar wallaby *General and Comparative Endocrinology* 133, 273-27
- Young, LJ, **Deane EM** (2003) Immunocytochemical identification of CD5 positive peripheral blood lymphocytes in four marsupial species, *Comparative Clinical Pathology*, 12, 26-32
- Old JM and **Deane EM** (2003) The detection of mature T and B cells during development of the lymphoid tissues of the tammar wallaby *J Anatomy* 203, 123-131
- Harrison, GA Taylor, CL, Miller, R and **Deane EM** (2003) Primary structure and variation of the T-cell receptor delta chain from a marsupial, *M. eugenii*, *Immunology Letters* 88; 117-125
- McKenzie, S & **Deane EM** (2003) The effects of age, season and gender on serum cortisol levels in the tammar wallaby *General and Comparative Endocrinology* 133,273-278
- Young, LM, McFarlane, R, Slender, AL, **Deane, EM** (2003) Histological and immunohistological investigation of the lymphoid tissue of the Rufous Hare wallaby in health and disease. *J. Anatomy*, 202, 315 -325
- Old, JM, **Deane, EM** (2003) The lymphoid and immunohaematopoietic tissues of the embryonic brushtail possum (*T. vulpecula*) *Anatomy and Embryology*, 206, 193-197
- Old JM, Selwood L, **Deane EM** (2003) A histological investigation of the development of the lymphoid tissues of the stripe-faced dunnart, *Cells, Tissues and Organs* 173, 115-121
- Young, LJ, **Deane EM** (2003) Immunocytochemical identification of CD5 positive peripheral blood lymphocytes in four marsupial species, *Comparative Clinical Pathology*, 12; 26-32
- Harrison, GA, Young, LJ, Watson, CM, Miska, KB, Miller, RD, **Deane, EM** (2003) A survey of Type I interferons from a marsupial and monotreme: Implications for the evolution of the Type I interferon gene family in mammals *Cytokine* 21, 105-119
- Young, LM, **Deane, EM** (2003) Studying Marsupial Immune Function *Today's Life Sciences* 34-36
- Naylor MJ, Wallia, CS, McOrist S, Lehrbach PR, **Deane EM**, Harrison GA (2002) Molecular characterisation of an evolutionary divergent strain of canine coronavirus (UWSMN-1) involved in an Australian outbreak of gastroenteritis. *J. Clin. Microbiol.* 40, 3518 - 3522
- McKenzie, S, **Deane EM**, Burnett, L (2002) Haematology and serum biochemistry of the tammar wallaby, *Macropus eugenii*, *Comparative Clinical Pathology*, 11, 229-237
- Old JM, Deane EM (2002) Immunohistochemistry of the lymphoid tissues of the tammar wallaby, *Journal of Anatomy*, 201, 257-266
- Old JM, **Deane EM** (2002) The gut-associated lymphoid tissues of the Northern Brown Bandicoot, *Developmental and Comparative Immunology*, 201, 257-266
- Bobek, G., **Deane, EM** (2002) Antimicrobial compounds from the pouch of the koala, *Phascolarctos cinereus* *Letter in Peptide Science*, 8, 133 - 137
- Gifford A, Fry G, Houlden B, Fletcher T, Deane EM (2002) Gestational length in the koala, *Phascolarctos cinereus* *Animal Reproduction Science* 70: 261-266
- Taylor CL, Harrison GA, Watson CM, **Deane EM** (2002) cDNA cloning of the polymeric immunoglobulin receptor of the marsupial *Macropus eugenii* (Tammar Wallaby). *Eur. J. Immunogenet.* 29: 87-93
- Old JM and **Deane EM** (2001) Gut-associated lymphoid tissue of the bandicoot, *Isodon macrourus* *Developmental and Comparative Immunology* 26, 841-848
- Old, JM, **Deane, EM** Harrison, GH, (2001) Molecular characterisation of the tammar wallaby CD3 epsilon chain cDNA *Molecular Immunology* 38, 359-364

- Taylor CL, Harrison GH, Watson CM **Deane EM** (2001) cDNA cloning of the polymeric immunoglobulin receptor of the marsupial, *Macropus eugenii* *European Journal of Immunogenetics* **29**, 87-93
- Old JM and **Deane EM** (2001) Histology and Immunohistochemistry of the gut-associated lymphoid tissue of the eastern grey kangaroo, *Macropus giganteus* *Journal of Anatomy*, 199, 657-662
- Young L and **Deane EM** (2001) Cellular composition of the late milk of the koala *Phascolarctos cinereus* *Australian Journal of Zoology* 49: 195-202
- Baker,ML, Rosenburg,GH, Zuccolotto,P, Harrison,GA, **Deane,EM**, Miller,RD (2001) Further Characterisation of T cell receptor chains of marsupials *Developmental and Comparative Immunology* 25: 405-507
- Naylor, MJ, Harrison, GA, Monckton, RP, McOrist S, Lerbach, PR, **Deane, EM** (2001). Identification of Canine Corona virus strains in faeces by S gene nested PCR and molecular characterisation of a new Australian isolate. *J. Clin .Micro* 39(3): 1036-1041
- Naylor, MJ, Monckton, RP, Lerbach,PR, **Deane, EM** (2001). Canine Corona virus in Australian dogs *Australian Veterinary Journal*: 79(2): 27-30
- Deane, EM**, Miller, RD (2000). Marsupial Immunobiology. Eds Special Edition *Developmental and Comparative Immunology* 24:443-444
- Zuccolotto, PD, Harrison, GA, **Deane, EM** (2000). Cloning of marsupial T-cell receptor  $\alpha$  and  $\beta$  constant region cDNAs. *Immunology & Cell Biology*, 78: 103-109
- Old, JM, **Deane, EM** (2000). Development of the immune system & immunological protection in marsupial pouch young. *Developmental and Comparative Immunology*. 24:445-472
- Harrison, GA, **Deane EM**. (2000) cDNA Cloning of lymphotoxin alpha (LT $\alpha$ ) from a marsupial, *Macropus eugenii*. *DNA Sequence*. **10/6**:399-403
- Maras, Z, Yardley, G, **Deane, EM**, Moore, GPM (1999). Cultivation of epithelia from the secretory coil of the ovine apocrine gland: evidence of secretory cell functions and ductal morphogenesis in vitro. *In Vitro Cell and Development Biology*. 35: 606-611
- Harrison, GA, Broughton, MJ, Young, L, Cooper, DW, **Deane, EM** (1999). Conservation of 3' UTR elements in tammar wallaby TNF $\alpha$  in RNA *Immunogenetics* 49: 464-467.
- Deane, EM**, Young, L, Holz, P (1999). Mycobacterial disease in the long-footed potoroo. *Microbiology Australia*. 20, 5 pp 20
- Heard, RNS, Teutsh SM, Bennetts BH, Lee SD, **Deane EM**, Stewart GJ. (1999). Lack of restriction of T-cell receptor  $\beta$ -variable gene usage in cerebrospinal fluid lymphocytes in acute optic neuritis, *Journal of Neurology, Neurosurgery and Psychiatry*. 67: 585-590.
- Harrison, GA, **Deane, EM**.(1999) cDNA sequence of the lymphotoxin  $\beta$ -chain from a marsupial *M.eugenii*. *Journal of Interferon Cytokine Res*. 19: 1099-1102.
- Old, JM, **Deane, EM** (1998). Effect of Oestrus and the presence of pouch young on the aerobic bacterial flora of the pouch of the Tammar wallaby, *Comparative Immunology and Infectious diseases*, 21: 237-245.
- Harrison, GA, **Deane, EM**, Cooper, DW (1998). cDNA Cloning of Luteinizing Hormone Subunits from brushtail possum and red kangaroo. *Mammalian Genome*, 9: 638-642.
- Young, L, Basden, K, Cooper, DW, **Deane, EM** (1997). Cellular Components of the Milk of the Tammar wallaby, *Macropus eugenii*, *Australian Journal of Zoology*, 45(4) 423 - 433

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- Basden, K, Cooper, DW, **Deane, EM** (1997). The Development of the lymphoid tissues of the Tammar wallaby, *Macropus eugenii*. *Reproduction. Fertility Development*, 9: 243-254.
- Basden, K, Cooper, DW, **Deane, EM** (1996). The Development of the blood-forming tissues of the Tammar wallaby, *Macropus eugenii*. *Reproduction. Fertility and Development*, 15: 155-166.
- This large gap in my research productivity reflects my role at UWS - establishing teaching programs, developing infrastructure and heading a Department and a School of Science.**
- Deane, EM**, Cooper, DW Renfree MB (1990). Immunological Development of pouch young marsupials II, Immunoglobulin G levels in embryos, extra embryonic membranes, neonates and early milk of Tammar wallabies *Macropus eugenii*. *Reproduction. Fertility and Development*, 2: 369-375.
- Deane, EM**, Cooper, DW (1988). Immune responses of marsupial pouch young in *The Development of Pouch-Young Marsupials*, edited by PA Janssens and CH Tyndale-Biscoe, Kargers Basel, pp 190-199.
- Cooper, DW, **Deane, EM**, Marshall, P, Gallery, EDM. (1988). C3 Allotypes in pregnancy hypertension and eclampsia. *Human Heredity*, 38: 52-55.
- Deane, EM**, Cooper, DW (1984). Immunology of pouch young marsupials. I. Levels of immunoglobulin, transferrin and albumin in the blood and milk in euros and wallaroos (hill kangaroos: *Macropus robustus*. *Marsupialia*). *Developmental and Comparative Immunology*, 8: 863-876.
- Kenrick, JR, **Deane, EM**, Bishop, DG (1984). A comparative study of the fatty acid composition of prochloron lipids. *Phycologia*, 23: 73-76.
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- Deane, EM**, O'Brien, RW (1981). Uptake of phosphate by symbiotic and freeliving dinoflagellates. *Archives for Microbiology*, 128: 207-310.
- Deane, EM**, O'Brien, RW (1981). Uptake of sulphate, taurine, cysteine and methionine by symbiotic and free-living dinoflagellates. *Archives for Microbiology*, 128:311-319.
- Deane, EM**, O'Brien, RW (1980). Composition of the Haemolymph of *Tridacna maxima* *Mollusca: bivalvia*, *Comp. Biochem. Physiol.* 66: 339-341.
- Deane, EM, Duxbury, T, O'Brien, RW (1979). The growth cycle of gymnodinium microadriaticum isolated from *Tridacna maxima*. *British Phycological Journal*, 14: 407-412.
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***Publications and Conference Presentations: Teaching, Learning and Institutional research***

- Halse, C., **Deane, E.**, Hobson, J., & Jones, G. (2007) The teaching/research nexus: What do national teaching awards tell us? *Studies in Higher Education*. 32, 727 – 746
- Hobson J, **Deane EM**. Jones G, (2006) The Research Assistant: Silenced partner in Australia's knowledge *Journal of Higher Education and Policy Management* 27, 423-

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### *External Competitive Grants*

#### **Research: 2000 – onwards**

1. Deane, Baker, Jacques: **Antimicrobial peptides and immunological protection in a developing mammal** ARC Discovery 2005 – 2007 \$240,000
2. Swan, Warren, O'Hara, Wilcox, Friend, Sims, Deane, Timms: **Conservation, health and disease in the endangered marsupial, the Western Barred Bandicoot** ARC Linkage 2004 – 2006 \$134,000
3. Deane, Cowan, Fry: **Urban Possum** ARC Linkage 2002 – 2004 \$69,000
4. Deane, Cordwell, Crouch: **Immunomodulatory compounds in marsupial milk** ARC Linkage 2003 – 2005 \$84,000
5. Deane, Fletcher: **Determining stress levels in captive and managed populations of marsupials** ARC SPIRT 2000-2002 \$63,000

#### **Teaching and external collaboration**

1. **Building an interdisciplinary collaborative program in Business, Environment, Science and Technology** EU/Australia Cooperation in Higher Education and Vocational Education and Training 2006 – 2008 \$400,000
2. **Undergraduate student mobility in Environmental Sciences and Management programs in Australia: Making the best of the best** Higher Education Innovation Program (HEIP) 2004 – 2006 \$194,800
3. **Breaking the barriers between TAFE and University – developing a model for collaboration around higher education and VET pathways in Environmental**

- Sciences and Management** Higher Education Innovation Program (HEIP) 2004 – 2006 \$140,000
4. **Wildlife Management-moving beyond preservation and pest control** DEST Science lectureship Program 2000-2003 \$563,975
  5. **Making the Science Connection** DEST Science lectureship Program 2000-2003 \$784,021
  6. **Doing It Differently in Science** National Teaching Development Grant (CUTSD) + CUTSD Conference Sponsorship 1999 \$50,700 and **(mis)Representations of Science** National Science Awareness Grant 1998 \$5,000
  7. **Doers & Thinkers: An Investigation of the Effectiveness of Open Learning Strategies on the development of undergraduate Science** National Priority Reserve Fund (EIP) 1995-1996 \$62,000
  8. **Development of the Cooperative Enterprise Education Development Scheme** National Priority Reserve Fund 1994-1995 \$80,000
  9. **Women, Research and Research Productivity in Post '87 Universities** National Priority Reserve Fund 1993-1996 \$68,000
  10. **Student Empowerment: The development of laboratory competence in undergraduate Science students** National Teaching Development Grant (CAUT) 1993, \$42,000
  11. **Development of a Graduate Certificate/ Graduate Diploma in Clinical Chemistry** NSW Education Training Foundation, 1991, \$121,000
  12. **Development of Continuing Education Training packages for Health Workers** NSW Education Training Foundation, 1990, \$145,000