

# 2007 Dean's Commendation List for Outstanding Research Higher Degree Theses



Name	Title of Thesis	School or Institute
Dr Daniel Belavy	Simulated microgravity and the lumbo-pelvic musculature development and application of novel analysis techniques and implications for lumbo-pelvic pain aetiology	Information Technology & Electrical Engineering
Dr Jacqueline Bird	Scientists in conflict: Hans Bethe, Edward Teller and the shaping of United States nuclear weapons policy, 1945-1972	History, Philosophy, Religion & Classics
Dr Greg Birkett	Molecular modelling of polar and non-polar adsorption on carbon adsorbents	Engineering
Dr Leda Blackwood	Social contextual influences on union participation: a group processes approach to explaining collective action	Psychology
Dr Chelsea Bond	"When you're black, they look at you harder": narrating aboriginality within public health	Population Health
Dr Yvonne Booth	Bactrocera tryoni volatiles: spiroacetal structure, synthesis and biosynthesis	Molecular & Microbial Sciences
Dr Melinda Buchanan	Embedding, existence and completion problems for Latin squares	Physical Sciences
Dr Julia Butt	Testing a cognitive-motivational model of drinking behaviour in a university student sample	Psychology
Dr Tamara Christie	Infants' perception of moving human bodies	Psychology
Dr Eliabeth Cyarto	Comparison of the effects of home-based and group-based resistance training program on the functional status and health of older Australians	Human Movement Studies
Dr Christine Dauber	Hijacked agenda: the National Museum of Australia and the Gallery of the First Australians	English, Media Studies & Art History
Dr Mark Davies	Genetic variation in Streptococcus dysgalactiae subspecies equisimilis: virulence profiling and lateral gene transfer	Population Health

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Name	Title of Thesis	School or Institute
Dr Melissa Davis	Defining the membrane organisation of eukaryotic proteins	Institute for Molecular Bioscience
Dr Magda Ellis	Familial aggregation of human helminth infection: a focus on genetic susceptibility to Schistosomiasis Japonica and associated markers of disease	Population Health
Dr Almuth Ernst	Martha from the margins: an examination of early christian traditions about Martha	History, Philosophy, Religion & Classics
Dr William Grant	A certain India: an enquiry into a claim to national territory	Political Science & International Studies
Dr Christian Gruber	Plant cyclotides: evolution, biosynthesis and application of circular cystine knot mini-proteins	Institute for Molecular Bioscience
Dr Sabrina Hambel	'White on white' : a transformative analysis of whiteness and diversity education	Education
Dr Jonathan Heim	Geochronology of weathering and landscape evolution, Hamersley Iron Province, Australia	Physical Sciences
Dr Gary Hickey	Depth in the floating world : western realism and the transformation of traditional space in late Ukiyo-e landscape prints	English, Media Studies & Art History
Dr Julita Imperial	Novel peptides from Conus planorbis, Terebra subulata and Hastula hectica	Institute for Molecular Bioscience
Dr Seid-Mahdi Jafari	Encapsulation of nano-emulsions by spray drying	Land, Crop & Food Sciences
Dr Susan Jordan	Epidemiological factors in the development of epithelial ovarian and related cancers	Population Health
Dr Karen Joughin	The development of an analytical framework to explain how and why surgical errors occur	Psychology
Dr Jason Kay	Intracellular cytokine trafficking and phagocytosis in macrophages	Institute for Molecular Bioscience
Dr Anna Kubalia	Genomic approach to the study of moulting and cuticle formation in crustaceans	Integrative Biology

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Dr David Kvaskoff	Nitrene rearrangements: formation of reactive intermediates and unusual molecules	Molecular & Microbial Sciences
Dr Nathan Langford	Encoding, manipulating and measuring quantum information in optics	Physical Sciences
Dr Claire Larroux	Genome content and developmental expression of transcription factor genes in the demosponge amphimedon Queenslandica : insights into the first multicellular animal	Integrative Biology
Dr Jill Larsen	Genomic profiling of tumour recurrence in non-small-cell lung carcinoma	Medicine
Dr Michele Leiminer	Language and power at the preschool : the competent interactional work of 'little children' in home-preschool communications	Education
Dr Xin Liu	Inner geometric structures of gauge fields and topological excitations	Physical Sciences
Dr Marion Loughnan	Discovery and characterisation of conopeptide antagonists of nicotinic acetylcholine receptors	Institute for Molecular Bioscience
Dr Stefan Maetschke	Topological models of transmembrane proteins for subcellular localization prediction	Information Technology & Electrical Engineering
Ms Majena Mafe	Sounding the other light	English, Media Studies & Art History
Ms Jennifer Manley	Status, ideology and the duty of care in the Roman world	History, Philosophy, Religion & Classics
Dr Guy Marion	The nitrogen isotopic composition of the organic matrices of coral skeleton: a proxy for historical nitrogen provenance in tropical coastal oceans	Centre for Marine Studies
Dr Katherine Morley	Modelling smoking behaviour: from genes and environment to pharmacoeconomics	Population Health
Dr Sharmal Narayan	Peripheral mechanisms of CD8+ T cell tolerance in H-2b K14E7 transgenic mice	Diamantina Institute

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Dr Sureeporn Nontachaiyapoom	Expression and promoter analysis of Glycine max nodule autoregulation receptor kinase gene	Integrative Biology
Dr Harriet Preece	Monitoring and modelling threats to koala populations in rapidly urbanising landscapes: Koala Coast, South East Queensland, Australia	Geography, Planning & Architecture
Dr Ranjala Ratnayake	Chemistry and bioactivity studies of Australian microorganisms	Institute for Molecular Bioscience
Dr Anthony Reid	Longwall shearer cutting force estimation	Engineering
Dr Jennifer Riesz	The spectroscopic properties of melanin	Physical Sciences
Dr Michelle Smith	Competing demands on the trunk muscles: effects, consequences and mechanism	Health & Rehabilitation Sciences
Dr Albertina So	Genetics of primary aldosteronism - familial hyperaldosteronism type II	Medicine
Dr David Souter	The ecology of individual specimens <i>Acanthaster planci</i> in low density populations	Integrative Biology
Dr Irina Vetter	Mechanisms involved in functional interactions between the Transient Receptor Potential Vanilloid 1 and $\mu$ opioid receptor	Pharmacy
Dr David Woolford	Advanced algorithms, software and applications in single particle analysis	Institute for Molecular Bioscience
Dr April Wright	Shifting ideology and institutional logics: institutional change in English county cricket	Business
Dr Janelle Wright	Drug resistance in <i>trichomonas vaginalis</i> and <i>giardia duodenalis</i>	Population Health