

# 2011 Dean's Commendation List for Outstanding Research Higher Degree Theses



Name	Title of Thesis	School or Institute
Dr Paulo Amaral	Expression and chromatin association of noncoding RNAs	Institute for Molecular Bioscience
Dr Nigel Armfield	Remote assessment and management of the critically ill infant by telemedicine: A novel approach to supporting the care of a vulnerable patient group	Medicine
Dr Emma Beckman	Development and Evaluation of Assessment Methods to Permit Evidence-based Classification in Paralympic Athletics	Human Movement Studies
Dr Craig Bell	Copper Catalysed Reactions for the Synthesis of Polymeric Architectures	Chemistry & Molecular Bioscience
Dr Simon Benson	A Distributed Quantum System Simulation Environment	Information Technology & Electrical Engineering
Dr Madeleine Bottril	Evaluation in conservation decision making	Biological Sciences
Dr Michael Christie	Regulation of RNA silencing in <i>Arabidopsis thaliana</i>	Chemistry & Molecular Bioscience
Dr Mikolaj Cieslak	Mathematical and computational methods for functional-structural plant modelling using L-systems and their applications to modelling the kiwifruit vine	Mathematics & Physics
Dr Alexandra De Young	Psychological Impact of Burn Injury on Young Children & their Parents: Implications for Diagnosis, Assessment and Treatment	Psychology
Dr Zhou Deng	Mechanism of interaction of nanoparticles with plasma proteins	Biomedical Sciences
Dr Phillippa Diedrichs	Promoting positive body image: Body size diversity in media imagery	Psychology
Dr Christopher Duran	Development and application of bioinformatics tools for computational marker discovery and the integration and visualisation of plant genetic and genomic data	Agriculture and Food Sciences
Dr Fernanda Ely	Structural and Functional Studies of the Organophosphate-Degrading Enzyme (OpdA) and Other Related Phosphoesterases	Chemistry & Molecular Bioscience
Dr Nazife Erarslan	Static and Cyclic Laboratory Testing of Brisbane Rocks	Civil Engineering
Dr Bryony Fahey	Origin of animal epithelia: insights from the genome of the demosponge <i>Amphimedon queenslandica</i>	Biological Sciences
Dr Huoqing Ge	Characterization of Temperature Phased Anaerobic Digestion for Organic Solids Stabilization	Chemical Engineering

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Name	Title of Thesis	School or Institute
Miss Poppy Gee	Kelp: a novel; and The Endangered Spinster: Unmarried Women in Twenty-First Century Australian Fiction.	English, Media Studies & Art History
Dr Stephanie Goodhew	On the fate of visual stimuli masked by object substitution	Psychology
Dr Rebecca Goulter	Attachment of Escherichia coli to abiotic surfaces	Chemistry & Molecular Bioscience
Dr Desma Grice	Secretory Pathway Calcium ATPases in Breast Cancer	Pharmacy
Dr Tobias Grundgeiger	Distributed Prospective Memory in Critical Care: Resuming interrupted tasks and remembering future intentions	Psychology
Dr Danielle Herbert	Fertility and infertility: studies in reproductive epidemiology in Australia	Population Health
Dr Hideki Higashi	Economic Evaluation to Inform Health Policy: Cost-Effectiveness and Policy Analysis of Tobacco Control Interventions in Vietnam	Population Health
Dr David Holland	Effect of Intervention on Cardiovascular Pathophysiology in Diastolic Dysfunction	Medicine
Dr Eva Holt	The Environmental Release of Dioxins Associated With The Use Of Pesticides	Medicine
Dr Shazia Iram	Role of viral and host microRNAs in plant virus interaction	Biological Sciences
Dr Guangming Jiang	Control of Sulfide and Methane Production in Sewers using Nitrate and Nitrite	Chemical Engineering
Dr Brendan Kidd	Novel genes regulating susceptibility to Fusarium oxysporum in Arabidopsis thaliana	Agriculture and Food Sciences
Dr Chalida Klaysom	Novel organic-inorganic nanocomposite membranes for electro dialysis application in water recovery	Australian Institute of Bioengineering and Nanotechnology
Dr Daria Lonsdale	Synthesis of Complex Polymer Topologies and Their Self-Assembly in Water	Australian Institute of Bioengineering and Nanotechnology
Dr Timothy Lynagh	Activation of Cys-loop Receptors by Ivermectin	Queensland Brain Institute
Dr Sarah McLeay	Development and use of predictive population pharmacokinetic models for propofol dose selection in the obese	Pharmacy
Dr Gina Micke	The effect of heifer dietary protein intake during gestation on fetal and postnatal development of their progeny: attention to the circulatory IGF-axis and the autocrine IGF-axis of skeletal muscle and adipose tissue	Veterinary Science

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Dr Kathryn Mills	Physiological mechanisms and clinical efficacy of comfortable in-shoe foot orthoses in the short-term treatment of anterior knee pain	Health & Rehabilitation Sciences
Dr Aniruddh Mukherji	Novel Nanostructured Photocatalysts for Hydrogen Production by Solar Light Driven Water Splitting	Chemical Engineering
Dr Grace Muriuki	The Role of Unplanned Human Settlements in Land Cover Change: A Case Study of The Chyulu Hills Squatters, Kenya.	Geography, Planning & Environmental Management
Dr Izhak Nadler	Team Training Evaluation in Healthcare: Increasing the Effectiveness of Neonatal Resuscitation Teams	Information Technology & Electrical Engineering
Dr Defang Ouyang	The rational design, synthesis and evaluation of non-viral gene delivery systems based on a computer aided drug design	Pharmacy
Dr Diwakar Pattabiraman	Understanding the role of c-Myb in the process of leukaemic transformation	Diamantina Institute
Dr Geoffrey Pegg	The biology, epidemiology and variability of Quambalaria shoot blight of Corymbia species	Agriculture and Food Sciences
Dr Matthew Petoe	Compensating for Basilar Membrane Mechanics When Obtaining the Auditory Brainstem Response	Information Technology & Electrical Engineering
Dr Robert Pfeifer	Simulation of Anyons Using Symmetric Tensor Network Algorithms	Mathematics and Physics
Dr Hannah Power	Hydrodynamics of surf and swash on natural beaches	Civil Engineering
Dr Toni Risson	A Magic Bag: The Power of Confectionery in the Lives of Australian Children	English, Media Studies and Art History
Dr Tanya Rose	Written stroke and aphasia information: Preferences of people with aphasia	Health & Rehabilitation Sciences
Dr Anna Rumbach	Dysphagia following thermal burn injury: Clinical risk factors, anatomical and physiological characteristics and road to resolution and recovery	Health & Rehabilitation Sciences
Dr Laura Scholes	Boys, masculinity and reading: Exploring differences amongst male readers	Education
Dr Thomas Seviour	Macromolecular associations in aerobic granular sludge derived EPS	Chemical Engineering
Dr Sukhbinder Singh	Tensor Network States and Algorithms in the presence of Abelian and non-Abelian Symmetries	Mathematics and Physics
Dr Avan Stallard	Antipodes to Terra Australis	History, Philosophy, Religion and Classics
Dr Jui Tan	Corporate Debt Maturity	Business

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Name	Title of Thesis	School or Institute
Dr Fernando Tavares Camacho	Infrastructure Price Regulation and Investment	Economics
Dr Leung To	Within-person Relationships between Mood and Creativity: The Moderating Roles of Trait Goal Orientation and Trait-relevant Context	Business
Miss Mary Trabucco	A Problematic Sublime: Social Suffering and Testimony in Pat Barker's Novels	English, Media Studies & Art History
Dr Oscar Venter	Assessing and planning for the climate and biodiversity outcomes of avoided deforestation	Biological Sciences
Dr Kurt Verkest	The Endocrinology of Obesity in Dogs	Veterinary Science
Dr Peter Wen	Role and regulation of 3-phosphorylated phosphoinositides in neuroexocytosis	Biomedical Sciences
Dr Thomas Whittington	Using ChIP-seq technology to understand transcription factor biology	Institute for Molecular Biosciences