

**DISCOVERY PROJECTS AUSTRALIAN RESEARCH FELLOWS FOR FUNDING
COMMENCING IN 2007**

Fellow Name	Administering Organisation	Project Id	Approved Project Title
Dr BP Adhikari	The University of Sydney	DP0772260	Surface Modification of Spray-Dried Powders By Surface-Active Proteins
Dr AJ Barnier	The University of New South Wales	DP0770271	From autobiographical memory to collective memory: An interdisciplinary study of individual and group cognition
Dr R Bonduriansky	The University of Queensland	DP0772679	The Genetic Basis of Differences Between the Sexes
Dr C Brown	The University of New England	DP0770396	Evolution and development of a lateralised brain: A behavioural ecology perspective.
Dr YM Buckley	The University of Queensland	DP0771387	How do characteristics of seeds and landscape heterogeneity determine plant spread in new environments?
Dr ZQ Chen	The University of Western Australia	DP0770938	Reconstruction of marine ecosystems following the greatest mass extinction during the Phanerozoic history of Earth life: Lessons for the present
A/Prof CW Clifford	The University of Sydney	DP0773589	Visual Coding of Motion and Form
Dr BA Corry	The University of Queensland	DP0769983	Force from lipids: the role of the lipid bilayer in mechanosensory transduction
Dr PJ Daborn	The University of Melbourne	DP0772003	Insect development : the role of cytochrome P450s
Dr GD Dunn	Australian Catholic University	DP0773174	The Clash of Sacred and Secular Authority in the Letters of Innocent I
Dr JP Evans	Macquarie University	DP0772665	Vulnerability of the Murray-Darling basin hydrometeorology to human modification
Dr DO Fisher	The Australian National University	DP0773920	Extrinsic threats and biological predisposition in animal extinction and rediscovery
Dr DA Gell	The University of Sydney	DP0773140	Investigating the molecular function of alpha-Haemoglobin stabilising protein.
Dr MR Giudici	The University of Western Australia	DP0770915	Finite permutation groups and flag-transitive incidence structures
Dr I Jensen	The University of Melbourne	DP0770705	Searching for solvability in Statistical Mechanics and beyond using advanced Enumerative Combinatorics
Dr L Ju	The University of Western Australia	DP0770748	Control of Instabilities in Advanced Gravitational Wave Detectors
Dr AI Kemp	James Cook University	DP0773029	Proterozoic crustal evolution of the Northern Australian Craton revealed from hafnium-oxygen isotope systematics of granite-hosted and detrital zircons
Dr A Kloda	The University of Queensland	DP0771341	Mechanosensitive properties and modulation of N-methyl-D-aspartate (NMDA) receptors by lipid environment
Dr D Losic	University of South Australia	DP0770930	Engineered Nanotube Membranes for Molecular Separation and Biosensing
Dr DJ Navarro	The University of Adelaide	DP0773794	Hierarchical Bayesian Models for Human Conceptual Learning

Dr EA Ostrovskaya	The Australian National University	DP0773069	Controlled manipulation of matter-waves in atomic waveguiding structures
Dr JA Phillips	The University of New South Wales	DP0771619	Community and identity in post-war European philosophy
Dr MS Pratchett	James Cook University	DP0770759	Climate change and coral reef communities: predicting and managing future impacts.
Dr GJ Prideaux	The Flinders University of South Australia	DP0772943	Responses of southern Australian mammal faunas to climate change before and after human arrival
Dr L Schroeter	Monash University	DP0772191	Two-Dimensional Semantics and the Foundations of Philosophy
Dr AM Silvas	The University of New England	DP0770924	Basil of Caesarea and the nexus of Greek, Latin and Semitic cultures in late Antiquity
Dr A Stasch	Monash University	DP0774389	Polyanionic carbon ligands in metal complexes as new reagents in organometallic and inorganic chemistry
Dr T Tian	The University of Queensland	DP0771627	Spatio-temporal modelling of Ras dependent MAP kinase activation
Dr Q Wang	The University of Sydney	DP0772881	Asymptotic Expansions and Large Deviations in Probability and Statistics: Theory and Applications
Dr K Yu	The University of Queensland	DP0773081	Characterising the tropical "heat engine" of global climate: combined coral, stalagmite and tree-ring records from the Indo-Pacific region
Dr X Zhang	Monash University	DP0773160	Advanced hierarchical materials for separation applications
Dr R Zheng	The University of Sydney	DP0770987	Microscopic Origin of Ferromagnetism of Diluted Magnetic Semiconductors
Dr G Zuckermann	The University of Queensland	DP0770414	'Revival' in the Middle East: The Genesis of Israeli ('Modern Hebrew') - lessons for revival of no-longer spoken Australian languages