

**DISCOVERY PROJECTS AUSTRALIAN PROFESSORIAL FELLOWS FOR FUNDING
COMMENCING IN 2008**

Fellow Name	Administering Organisation	Project Id	Approved Project Title
Prof JC Altman	The Australian National University	DP0877549	Hybrid economic futures for remote Indigenous Australia: Linking poverty reduction and natural resource management
Dr BL Anderson	The University of New South Wales	DP0881800	Image segmentation and the perception of lightness and color
Dr J Brugger	The University of Adelaide	DP0878903	Molecular Structure and Transport Properties of Hydrothermal Fluids under Extreme Conditions: Near-Critical, High Salinity, High Pressure and High Volatile Contents
Prof B Caine	Monash University	DP0877706	History and the Individual Life: Autobiography, Biography and the history of the self in the British World c1750 -1980
Prof JA Clark	The University of Sydney	DP0877692	The Asian Modern
A/Prof SR Connolly	James Cook University	DP0880544	Understanding coral reef biodiversity: a modelling approach
Prof WJ Couch	Swinburne University of Technology	DP0877642	Rich clusters of galaxies: probing galaxy evolution and dynamical growth under the most extreme conditions
Prof S Crozier	The University of Queensland	DP0877160	High Field Magnetic Resonance Engineering
Prof NE Dixon	University of Wollongong	DP0877658	Functional Dissection of the Bacterial Replisome
Prof PD Drummond	The University of Queensland	DP0880404	Dynamics and correlations of many-body systems
Prof RJ Elliott	The University of Adelaide	DP0877639	Dynamic risk measures
Prof L Faraone	The University of Western Australia	DP0881579	Resonant Nanostructures for Adaptive Optoelectronics
Prof GC Gibson	The University of Queensland	DP0880204	Drosophila Quantitative Genomics
A/Prof KA Landman	The University of Melbourne	DP0878200	Mathematical modelling in developmental biology
Prof C MacLeod	The University of Western Australia	DP0879589	How biased engagement with, and biased disengagement from, emotional information contribute to alternative dimensions of anxiety vulnerability
Prof DR McKenzie	The University of Sydney	DP0881806	Control of Protein Attachment and its Optical Detection
Prof RH McKenzie	The University of Queensland	DP0877875	Modelling quantum dynamics of electronic excited states in complex molecular materials
Dr N Nicholls	Monash University	DP0877417	Scientific basis for improved climate predictions on seasonal and climate-change timescales.
Prof GG Priest	The University of Melbourne	DP0879972	The One and the Many - the Path Through Contradiction
Prof R Quispel	La Trobe University	DP0878459	Geometric numerical integration of differential equations

Prof GI Rhodes	The University of Western Australia	DP0877379	Adaptive processes in normal and disordered face perception
Prof RG Roberts	University of Wollongong	DP0880675	Monsoons and migrations: Quaternary climates, landscapes and human prehistory of the Arabian peninsula and the Indian subcontinent
Prof P Sah	The University of Queensland	DP0878007	Mechanisms of fear learning and extinction in the mammalian brain
Prof GN Taylor	The University of Melbourne	DP0878412	Leading the Australian High Energy Physics Program into a New Era of Discovery
Prof ME Tobar	The University of Western Australia	DP0878108	Extending the spectrum and performance of ultra-stable frequency generation
Prof RS White	The University of Western Australia	DP0877846	Shakespeare and film genres
Prof AD Woodland	The University of Sydney	DP0880291	International Trade Policy Evaluation, Economic Growth and Demographics
Prof L Zhang	The University of Sydney	DP0881385	An innovative manufacturing technology enabling new generations of hip joint prostheses