

**DISCOVERY PROJECTS AUSTRALIAN RESEARCH FELLOWS FOR
FUNDING COMMENCING IN 2010**

Fellow Name	Administering Organisation	Project ID	Approved Project Title
Dr GM Turchini	Deakin University	DP1093570	Triggering the dormant capacity of fish to make omega 3 fatty acids
Dr A Roujeinikova	Monash University	DP1094619	Understanding the molecular mechanism of force generation in the bacterial flagellar motor
A/Prof JP McCormack	Monash University	DP1094064	A Process-Based Approach to Generative Form Synthesis
Dr DK Dowling	Monash University	DP1092897	Sexual conflict in the mitochondrion
Dr N Birbilis	Monash University	DP1092988	Engineering the kinetic stability of alloys for advanced stainless material development
Dr S Khatab	Monash University	DP1093325	The ideological war within al-Qa'ida: The Jihadis' religio-political and intellectual revisions and ideas on counterterrorism, extremism and radicalisation
Dr Q Gao	The Australian National University	DP1096754	Integration of III-V semiconductor nanowires on silicon platform
Dr D Ridout	The Australian National University	DP1093910	Indecomposable Structure in Representation Theory and Logarithmic Conformal Field Theory
Dr AD Mackey	The Australian National University	DP1093431	Galaxy Archaeology with Globular Clusters in the Local Universe
Dr MP Cifuentes	The Australian National University	DP1093003	Organometallic Switches in Nonlinear Optics
Dr F Reith	The Flinders University of South Australia	DP1093238	The geomicrobiology and (bio)geochemistry of platinum, palladium and rhodium
Dr S Tomljenovic-Hanic	The University of Melbourne	DP1096288	Fabrication strategies for diamond-based quantum devices: concepts to applications
Dr G Khairallah	The University of Melbourne	DP1096134	Catalytic currency: the role of size-reactivity relationships of simple and mixed 'coinage' metal clusters in C-C bond forming reactions
Dr N Ganter	The University of Melbourne	DP1095815	Generalized group characters
Dr JQ Goodger	The University of Melbourne	DP1094530	Organisation and function of embedded oil glands in eucalypts
Dr D Stuart-Fox	The University of Melbourne	DP1092908	Colour polymorphisms and speciation: linking macroevolutionary patterns with microevolutionary processes
Dr RJ Elith	The University of Melbourne	DP1093211	Modelling species distributions for a changing world
Dr M Moore	The University of New England	DP1096558	The Spandrel Hypothesis: Towards a unified theory of stone flaking

Dr EL Johnston	The University of New South Wales	DP1096900	Bioinvasions: the interactive effects of propagule pressure and pollution
Dr N Valanoor	The University of New South Wales	DP1096669	Elastically controlled magnetoelectric transduction in thin film multilayers.
Dr WP Sijp	The University of New South Wales	DP1096144	The equable climate conundrum: the role of the global ocean in multiple climate regimes
Dr V Venturi	The University of New South Wales	DP1095581	Understanding the dynamics of T cell responses to chronic infection
Dr EP Greenhalgh	The University of New South Wales	DP1093924	1918: How the Allies Won the First World War
Dr JD Henry	The University of New South Wales	DP1093234	Ageing and self-regulation
Dr TW Bredy	The University of Queensland	DP1096148	Epigenetic mechanisms regulating sex differences in fear-related learning and memory
Dr TA Nieminen	The University of Queensland	DP1095880	Advanced optical tweezers technologies for biophysical measurements
Dr D Qiu	The University of Queensland	DP1095545	A Unified Crystallographic Theory of Phase Transformations in Solids
Dr G Vamvounis	The University of Queensland	DP1095404	Solution Processable, High Dimensional Dendrimers for Plastic Electronics
Dr EA Stephens	The University of Queensland	DP1093542	A Critical Genealogy of Normality
Dr JR Curran	The University of Sydney	DP1097291	Parsing the web: Exploiting redundancy to understand language
Dr EL Christopher	The University of Sydney	DP1097212	Slavery, freedom and colonial development: Robert Bostock and his legacy
A/Prof G Gottwald	The University of Sydney	DP1096611	Stochastic methods in mathematical geophysical fluid dynamics
Dr W Li	The University of Sydney	DP1095140	Topography Optimisation of Implants for Enhancing Osseointegration
Dr A Argyros	The University of Sydney	DP1093789	Scaling-up microstructured fibres for terahertz radiation
Dr MW Shane	The University of Western Australia	DP1092856	Functional diversity in root systems that are critical for water and nutrient acquisition by Australian monocotyledons
Dr MD McDonnell	University of South Australia	DP1093425	Communication and information storage mechanisms in complex dynamical brain networks