

**DISCOVERY PROJECTS QUEEN ELIZABETH II FELLOWS FOR FUNDING
COMMENCING IN 2007**

Fellow Name	Administering Organisation	Project Id	Approved Project Title
Dr PM Allison	The Australian National University	DP0770659	Food, drink and sociality in the early Roman Empire and their significance for understanding ancient family and community life
Dr BC Baer	The University of Western Australia	DP0770050	Sex, Sperm and Society. Insights into the evolutionary potential of sexual conflict in insects: a fundamental question in evolutionary biology
Dr MA Brady	The Australian National University	DP0772382	Indigenous Australians and alcohol control: The impact of hotel ownership on harm reduction and social and economic development
Dr DE Bryant	The University of Queensland	DP0770400	Cycle decompositions of graphs
Dr GA Burley	The University of Melbourne	DP0770177	Understanding and controlling the construction of molecular electronic and photovoltaic devices using nucleic acids
Dr CS Clements	Monash University	DP0773722	Investigation of the fundamental roles of class Ib MHC (major histocompatibility complex) molecules in immunity
Dr J DeGier	The University of Melbourne	DP0772708	Statistical Topology and its Application to Deriving New Geometric Invariants
Dr BG Fry	The University of Melbourne	DP0772814	Evolutionary venomics: Venom system diversification in the animal kingdom
Dr MD Jennions	The Australian National University	DP0770057	Does size really matter? Selection, constraints and allometry
Dr A Johnston	University of Tasmania	DP0770685	A study of travel writing in Australian colonial history
Dr FY Kuo	The University of New South Wales	DP0770878	Innovative Methods for Very High Dimensional Problems
Dr X Liao	The University of Sydney	DP0772880	Transmission electron microscopy investigation of the deformation mechanisms of nanostructured materials
Dr Z Liu	The University of Sydney	DP0773977	Development of Carbon Nanotube Nanothermometers and Their Application for Temperature Measurement in the Catalytic Layers of Fuel Cells
Dr DH Macdonald	The Australian National University	DP0770380	Unlocking the potential of n-type silicon for solar cells
Dr CP Marshall	The University of Sydney	DP0770253	Links Between Modern and Fossil Microbes and the Evolution of Life in Earth's Extreme Early Environments
Dr NM McClure-Griffiths	The University of Sydney	DP0770519	Understanding the Evolution of the Milky Way
Dr AD Rechnitzer	The University of Melbourne	DP0770705	Searching for solvability in Statistical Mechanics and beyond using advanced Enumerative Combinatorics
Dr JF Ruys	The University of Sydney	DP0774390	Learning from Life: The Creation of Experiential and Life-Long Learning in Europe in the Medieval and Early Modern Periods
Dr AA Samarian	The University of Sydney	DP0773967	Dust Physics: a Challenge in International Thermonuclear Experimental Reactor

Dr WP Schellart	The Australian National University	DP0771823	Relationship between subduction zone geometry, trench kinematics and great subduction earthquakes
Dr J Sharman	The University of Sydney	DP0771521	Following the Money: The Birth, Diffusion and Effectiveness of the Global Regime to Counter Money Laundering and Terrorist Financing
Dr AA Sukhorukov	The Australian National University	DP0770279	Slow light in nanostructured materials
Dr PG Tuthill	The University of Sydney	DP0770729	DRAGONFLY: A revolutionary instrument for astronomical imaging
Dr G Wang	University of Wollongong	DP0772999	First principles for development of novel hybrid electrochemical energy storage and conversion systems
Dr S Wyithe	The University of Melbourne	DP0771638	Formation of Supermassive Black Holes