

Summary of Successful Linkage - Projects Proposals for Funding to Commence in 2010 by State and Organisation

Victoria

The University of Melbourne

LP100100586 Dr Jonathon R Barnett, Dr Anna C Hurlimann, Prof Ruth Fincher

Approved Project Title **Equitable local outcomes in adaptation to sea-level rise**

2010 \$92,000.00

2011 \$104,000.00

2012 \$102,000.00

Primary FoR 1604 HUMAN GEOGRAPHY

Partner Organisations

Department of Sustainability and Environment, Victoria, East Gippsland Shire Council, Gippsland Coastal Board, VIC Department of Planning and Community Development, Wellington Shire Council

Administering Organisation The University of Melbourne

Project Summary

The project clearly falls within the priority goal of responding to climate change and variability in being about responding to sea-level rise. It is of direct benefit to rural communities in Gippsland that are vulnerable to sea-level rise, and the project has been identified as a priority research need by the Gippsland Coastal Board, local governments in Gippsland, and the Victorian Government, all of whom are partners in this project. The guidelines produced will contribute to improved decision making about adaptation nationally and internationally, and the project's intellectual outcomes will be of interest and value to researchers working in Australia and abroad.

LP100100825 Prof Philip Batterham, Prof Michael W Parker

Approved Project Title **Insecticide targets in the nervous system: Discovery and design for sustainable insect pest control**

2010 \$160,000.00

2011 \$180,000.00

2012 \$180,000.00

Primary FoR 0702 ANIMAL PRODUCTION

Partner Organisations

Novartis Animal Health Australasia Pty Ltd

Administering Organisation The University of Melbourne

Project Summary

Insect pests impose massive costs in food production, in human health and in the wellbeing of our companion animals. Chemical insecticides remain a major weapon in the control of these pests, but the use of insecticides has some downsides. The way in which insecticides kill insects is poorly understood and insecticide usage has negative impacts in the environment – the persistence of chemical residues and the killing of beneficial insects along with the pests. Further, insects become resistant to insecticides, so pest control is lost. This proposed research seeks to identify the 'achilles heel' in insect pests and to target them with new generation insecticides to gain safe, effective and sustainable control.

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LP100100441 Prof Roger D Cousens, Dr Nicholas S Williams, Prof Richard P Duncan
Approved Project Title **'Streamlining search and destroy': development of a robust prioritisation framework for weed eradication using Hawkweed species**

2010 \$112,225.00

2011 \$94,000.00

2012 \$96,176.00

Primary FoR 0501 ECOLOGICAL APPLICATIONS

Partner Organisations

Department of Environment and Climate Change NSW, Parks Victoria, VIC Department of Primary Industries and Fisheries

Administering Organisation The University of Melbourne

Project Summary

Introduced species are one of the greatest threats to our biodiversity and agriculture, as evidenced by the ARC's National Research Priority: Safeguarding Australia. This project will advance Australia's ability to protect itself from invaders by developing tools that guide cost-effective detection and response. Our project will have a direct effect on the planning and management of Hawkweed control in Victoria and New South Wales. The framework delivered will have direct application to numerous other weeds (and relevance to other pests and diseases) within and beyond Australia.

LP100100068 A/Prof Michael J Davern, Dr Carlin Dowling, A/Prof Robyn Moroney
Approved Project Title **Securing the future of financial services: Building a behavioural model of effective operational risk management**

2010 \$55,000.00

2011 \$55,000.00

Primary FoR 1501 ACCOUNTING, AUDITING AND ACCOUNTABILITY

Partner Organisations

National Australia Bank

Administering Organisation The University of Melbourne

Project Summary

Securing the financial services industry is fundamental to the Australian economy. Effective operational risk management is vital to this goal. It requires appropriate attitudes to operational risk and widespread buy-in to risk management practices. This project will identify managerial controllable factors that ensure more consistent and widespread deployment of effective operational risk management practices and attitudes. It will inform the monitoring activities of regulators. In turn, it will enable the financial services industry to better avoid undesirable risks and to better manage the negative effects of unexpected events. This directly contributes to the future stability of the Australian economy.

Summary of Successful Linkage - Projects Proposals for Funding to Commence in 2010 by State and Organisation

LP100100131 Dr Elise C Davis, Prof Elizabeth B Waters, Prof Helen E Herrman, A/Prof Linda J Harrison, Prof Margaret Sims, Dr Kay E Cook, Prof Andrew J Mackinnon, A/Prof Bernard J Marshall, Ms Cathrine Mihalopoulos

Approved Project Title **An exploratory cluster trial of a sustainable capacity building intervention to promote positive child mental health in Family Day Care**

2010	\$44,508.00
2011	\$54,092.00
2012	\$58,414.00
Primary FoR	1301 EDUCATION SYSTEMS

Partner Organisations

Family Day Care Australia, Victorian Health Promotion Foundation, Windermere Child and Family Services Inc

Administering Organisation The University of Melbourne

Project Summary

Rarely is solution-oriented intervention research built and conducted with rigorous research designs in communities of extreme disadvantage. This study builds on the enthusiasm of a leading child welfare organisation in its commitment to contribute to evidence for practice-oriented solutions. The research will serve as a model for the Family Day Care and childcare sectors. The study is an essential step in the development of an intervention prior to a large-scale evaluation. With a strong evidence base, this program may be implemented widely within the sector nationally, thus addressing a key area of children's health inequalities - mental health.

LP100100296 Dr Scott Drake, Prof Arsen Melikov

Approved Project Title **Impact and Effectiveness of Personal Ventilation in Open Plan Offices: a study of the Task Air system**

2010	\$26,669.00
2011	\$26,669.00
2012	\$26,669.00
Primary FoR	1202 BUILDING
APAI	1

Partner Organisations

UCI Projects Pty Ltd

Administering Organisation The University of Melbourne

Project Summary

Centralised air-conditioning systems are the standard for commercial office buildings in Australia. These systems are energy intensive, typically accounting for around 50% of building energy use. However, lack of occupant control over set temperatures or air movement tends to reduce thermal comfort, which can adversely affect worker productivity. The benefit of this project is that it will quantify the improvements to occupant comfort and energy savings possible with a PV system. This study will enable PV systems to be evaluated as an alternative to traditional air-conditioning, thereby demonstrating their effectiveness as a means of improving the sustainability rating of commercial office buildings in Australia.

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LP100100091 Prof Robin B Gasser, Dr Aaron R Jex, Dr David T Littlewood
Approved Project Title **Mitogenomics using a massively parallel reactor platform - from barcoding to diagnostic tools for pathogens of major socioeconomic importance**

2010 \$80,000.00

2011 \$80,000.00

2012 \$80,000.00

Primary FoR 0699 OTHER BIOLOGICAL SCIENCES

Partner Organisations

Natural History Museum London

Administering Organisation The University of Melbourne

Project Summary

The national/community benefits are: (1) to develop a long-term, high quality scientific and technological program contributing to national objectives, including the maintenance of a strong capability in basic research, the development of new scientific concepts and the enhancement of international collaborative links; (2) to strengthen the links between basic and applied research; (3) to develop excellence in research by promoting collaborative research, resulting in a more efficient use of resources in a national and international context; (4) to enhance the skills-base in biology and biotechnology; (5) to substantially increase global visibility through quality research, leading to an increased investment in Australian science.

LP100100092 Prof Robin B Gasser, A/Prof Andreas Hofmann, Dr Alexander C Loukas, Prof Paul W Sternberg
Approved Project Title **Elucidating structure and function of activation-associated secreted proteins (ASPs) in blood-feeding hookworms – toward new methods of control**

2010 \$220,000.00

2011 \$190,000.00

2012 \$190,000.00

Primary FoR 0699 OTHER BIOLOGICAL SCIENCES

Partner Organisations

Sabin Vaccine Institute

Administering Organisation The University of Melbourne

Project Summary

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LP100100223 Dr Lisa F Gibbs, Prof Elizabeth B Waters, Dr Andrea M de Silva-Sanigorski, A/Prof Mark G Gussy, Ms Lisa C Gold, Prof Laurence A Moore, Prof Richard G Watt, Dr Christine M Armit, Adj/Prof Hanny Calache

Approved Project Title **Teeth tales: A culturally competent community intervention for child oral health in low SES area of urban Melbourne**

2010 \$151,000.00

2011 \$123,000.00

2012 \$150,000.00

2013 \$67,000.00

Primary FoR 1117 PUBLIC HEALTH AND HEALTH SERVICES

Partner Organisations

Arabic Welfare, Dental Health Services Victoria 205, Moreland City Council , Moreland Community Health Service Inc , Pakistan Australia Association, Melbourne Inc, Victorian Arabic Social Services

Administering Organisation The University of Melbourne

Project Summary

Dental caries represent the highest burden of disease for pre-school children. Disadvantaged, refugee and migrant communities face an estimated increased prevalence of 60%. Community-based health solutions that are evidence based and cross-sectoral are urgently needed. The potential impact of improved child oral health on social, emotional and learning outcomes is compelling. The child health and service change outcomes of this study will be of direct benefit to the community and will have clear applications for other culturally diverse local government areas in Australia and other developed countries. The findings will directly inform policy/funding decision making by Dental Health Services Victoria for Victorian families and services.

LP100100392 A/Prof Geoffrey J Howlett, Dr Terrence D Mulhern, Dr Daniel M Hatters

Approved Project Title **Biophysical identification of natural human antibody targets**

2010 \$100,000.00

2011 \$100,000.00

2012 \$100,000.00

Primary FoR 1102 CARDIOVASCULAR MEDICINE AND HAEMATOLOGY

Partner Organisations

Patrys Ltd

Administering Organisation The University of Melbourne

Project Summary

A natural human antibody, PAT-SM6, isolated using technology developed by the partner organisation (Patrys), offers promise as a therapy to reduce mortalities due to cancer, the leading cause of death in Australia. The novelty of the approach pioneered by Patrys is the direct production of human antibodies which avoids undesirable side effects associated with the use of antibodies containing non-human components. This project is to discover the specificity of PAT-SM6 for proteins and protein complexes and how these interactions lead to tumour cell death. This work will enhance the effectiveness of human antibody therapies and help in the development of this fast growing area within the biotechnology industry in Australia.

Summary of Successful Linkage - Projects Proposals for Funding to Commence in 2010 by State and Organisation

LP100100193 Prof Graham L Hutchinson, Dr Philip A Collier, A/Prof Linlin Ge, Dr Xiaojing Li
Approved Project Title **A new approach to structural design that incorporates the effect of non-structural components**

2010	\$60,000.00
2011	\$57,697.00
2012	\$60,000.00
Primary FoR	0905 CIVIL ENGINEERING
APAI	2

Partner Organisations

C.R. Kennedy and Company Pty Ltd, Leica Geosystems, Survey21 Land and Engineering Surveyors

Administering Organisation The University of Melbourne

Project Summary

The construction industry is a significant contributor to the Australian economy. Each year billions of dollars are spent erecting new high rise buildings. Further, Australian engineering firms bid on major construction projects throughout the world, particularly in Asia and the Middle East. The research described here promises to deliver economies to the Australian construction industry as well as equipping local firms involved in structural design to better compete for offshore work .

Community benefits will take the form of reduced construction costs and the capacity for a more complete and up to date knowledge of the structural performance and risk of aging assets, thereby increasing community confidence and safety.

LP100100503 Prof Jack P Keating, A/Prof John Polesel, Mr Eric N Sidoti, Prof Brian J Galligan, Ms Rosalyn Black, Dr Lucas L Walsh, Ms Maree L Dressing

Approved Project Title **Federalism in Australian schooling: Its impact upon quality and equity**

2010	\$55,167.00
2011	\$80,486.00
2012	\$71,024.00
Primary FoR	1301 EDUCATION SYSTEMS

Partner Organisations

Department of Education and Early Childhood Development, Foundation for Young Australians

Administering Organisation The University of Melbourne

Project Summary

The project is designed to support the objectives for schooling in Australia that have been identified by the Council of Australian Governments. These objectives are in the face of growing inequities in the distribution of educational resources, growing concentrations of students with high levels of educational needs, and imbalances in the distribution of resources across key stages, especially in early childhood education. By examining the ways in which federalism contributes to the structural barriers to these objectives and by developing and validating a set of structural reforms the project will contribute to these national objectives.

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LP100100800 A/Prof Spas D Kolev, Prof Caixian Tang, A/Prof Peter W Sale, A/Prof Manuel Miro, Mr Desmond C Tan, Mr Brian L Myles, Dr Barry Warwick

Approved Project Title **Phytoextraction approaches for mitigating heavy metal release from unlined and loosely capped rural landfills**

2010 \$101,976.00

2011 \$86,024.00

2012 \$130,000.00

Primary FoR 0502 ENVIRONMENTAL SCIENCE AND MANAGEMENT

APAI 1

Partner Organisations

Double-E Enviclean Pty Ltd, EPA Victoria, Pyrenees Shire Council, University of the Balearic Islands

Administering Organisation The University of Melbourne

Project Summary

Australian rural landfills are used for storing hazardous wastes which contain toxic metals. Impermeable clay caps are often utilized to encapsulate these wastes and prevent release of pollutants into the environment. The integrity of these caps is crucial and requires constant care. The project aims to develop novel approaches which will improve substantially the long-term environmental safety of rural landfills and deliver additional economic benefits. These approaches involve the use of high-value tree crops and plants capable of extracting toxic metals. Utilization of these plants will create a valuable resource on an otherwise derelict area and this will be of considerable local/regional benefit and national significance.

LP100100854 A/Prof Christopher Leckie, Prof Ramamohanarao Kotagiri

Approved Project Title **Carrier-scale defence against distributed denial-of-service attacks**

2010 \$72,000.00

2011 \$70,000.00

2012 \$70,000.00

Primary FoR 1005 COMMUNICATIONS TECHNOLOGIES

Partner Organisations

PowerGuard Pty Ltd

Administering Organisation The University of Melbourne

Project Summary

Distributed Denial-of-Service (DDoS) attacks are one of the most persistent and damaging threats to services on the Internet. In recent years, there has been widespread use of DDoS attacks for both financial and political advantage by attackers. The challenge for our Australian industry partner (PowerGuard Pty Ltd) is to continue to scale their DDoS defence platform so that it can be used in much higher bandwidth environments, such as carriers' backbone networks, or large government and commercial networks that have multiple high-speed links to the Internet. The results of this project will provide an Australian company with a leading position in this important and growing market.

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LP100100291 Prof Joseph Lo Bianco, Dr Trevor T Hay, Prof David L Holm
Approved Project Title **Intercultural Approaches to Teaching Chinese: A basis for pedagogical innovation**

2010 \$100,000.00

2011 \$90,000.00

2012 \$100,000.00

Primary FoR 2003 LANGUAGE STUDIES

Partner Organisations

Asia Society, Beijing Language and Culture University, Collingwood College, Department of Education and Early Childhood Development, Guizhou University, HAVEN Insurance Service, NanJing University, Office of Chinese Language Council International (Hanban), Victorian Curriculum and Assessment Authority, VoVa Economic and Trade Co Ltd

Administering Organisation The University of Melbourne

Project Summary

The nation in general will benefit by having a better prepared and more competent population of Chinese teachers, learners and professionals, whose exposure to Chinese language and culture will encompass the multiplicity of identities in a contemporary, multicultural society. This research will establish Australia as a major innovator in Chinese language pedagogy and will equip Australians to better understand our region and our world. A unique feature of the project is the provision for assessment of cultural awareness derived from study of language, ensuring that students who do not persevere with Chinese language will have a 'surrender value' declaration, recording competency in knowledge of Chinese culture.

LP100100797 Prof Timothy L McCormack, Prof Nicholas J Crofts, Prof Stuart B Kaye
Approved Project Title **Substance Use in Prisons and Other Closed Settings: Identifying appropriate and effective legislative frameworks for a harm reduction approach**

2010 \$26,669.00

2011 \$26,669.00

2012 \$26,669.00

Primary FoR 1117 PUBLIC HEALTH AND HEALTH SERVICES

APAI 1

Partner Organisations

Australian Red Cross

Administering Organisation The University of Melbourne

Project Summary

Influencing laws on drugs in closed settings to reflect public health approaches will directly benefit incarcerated individuals and wider communities in Cambodia and in Australia. Australian Red Cross has a long-standing commitment to improving vulnerable peoples' lives as well as a deep-seated community identity; it will facilitate the implementation of its research findings through its prisons programs. Collaborations with AusAID-funded HIV prevention, substance abuse and criminal justice reform initiatives (including HIV/AIDS Asia Regional Program (HAARP) and Cambodia Criminal Justice Assistance Program (CCJAP)) will strengthen Australia's contribution to civil society and public health in Cambodia, and simultaneously reinforce Australia's reputation as a leader on substance use and harm reduction issues.

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LP100100805 Dr Janet K McGaw, Dr Emily C Potter, Dr Anoma D Pieris, Prof Graham W Brawn
Approved Project Title **Indigenous Placemaking in Central Melbourne: Representations, practices and creative research**

2010 \$81,000.00

2011 \$81,000.00

2012 \$81,000.00

Primary FoR 1201 ARCHITECTURE

Partner Organisations

Melbourne City Council, Reconciliation Victoria, Victorian Traditional Owners Land Justice Group

Administering Organisation The University of Melbourne

Project Summary

This project will contribute to making a place of belonging, gathering and cultural exchange for and with Indigenous Australians in Melbourne, through dialogic research processes aimed at generating a more inclusive and dynamic understanding of Indigenous identity. It will provide a platform for reconciliatory activities in Victoria with the support of Victorian Indigenous Communities, Reconciliation Victoria, and the Melbourne City Council and educate the public regarding the need for such a facility. It will increase Melbourne's national and international profile by contributing to the provision of a world class cultural centre that engages international tourists and informing future institutional programs.

LP100100756 Em/Prof Thomas A McMahon, Prof David J Karoly
Approved Project Title **Narrowing the scatter and assessing the uncertainty of climate change projections of Australian river flows**

2010 \$80,000.00

2011 \$80,000.00

2012 \$80,000.00

Primary FoR 0406 PHYSICAL GEOGRAPHY AND ENVIRONMENTAL GEOSCIENCE

Partner Organisations

Bureau of Meteorology, Melbourne Water

Administering Organisation The University of Melbourne

Project Summary

Recent prolonged dry conditions in south-eastern Australia have triggered water restrictions in major cities, zero irrigation allocations in the Murray-Darling region and highlighted the importance of water to this country. This project represents an integrated package of research that will enhance our understanding of the uncertainty of future annual river flows, leading to more informed decision making for the sustainable management of Australia's increasingly scarce water resources. The outcomes from this project are highly relevant to the national research priority "An Environmentally Sustainable Australia", particularly priority goals "Water - a critical resource" and "Responding to climate change and variability".

Summary of Successful Linkage - Projects Proposals for Funding to Commence in 2010 by State and Organisation

LP100100388 Dr Robyn U Pierce, Dr Helen L Chick, Dr Ian R Gordon, Mr Michael Dalton, Prof Jane M Watson
Approved Project Title **Statistical literacy in the education workplace: Barriers and enablers for school personnel making data-driven decisions**

2010 \$48,618.00

2011 \$61,994.00

2012 \$58,219.00

Primary FoR 1302 CURRICULUM AND PEDAGOGY

Partner Organisations

Department of Education and Early Childhood Development, Victorian Curriculum and Assessment Authority

Administering Organisation The University of Melbourne

Project Summary

Using quantitative data to monitor workplace processes and improve quality requires both strong statistical literacy and commitment to such decision-making processes. This study of data usage by school personnel will contribute to the success of the National Assessment Program that monitors progress towards the National Goals for Schooling in the 21st Century. It will provide evidence from which to enhance professional learning in data interpretation for both pre- and in-service teachers. The resulting research template has application for examining (a) statistical literacy needs in other sectors and (b) workers' perceptions of quantitative data used to inform decision-making. This will enhance the smart use of data in the workplace.

LP100100076 A/Prof Matthew Pinnuck, Prof Gregory Clinch, Prof Carol A Adams, Prof Ivan Marusic, Prof Gordon Richardson, Prof Peter M Clarkson, Dr Michael J Brear

Approved Project Title **The reliability of corporate reporting of greenhouse gas estimates: Determinants, consequences, training for accountants and policy Initiatives**

2010 \$44,000.00

2011 \$44,000.00

2012 \$44,000.00

Primary FoR 1501 ACCOUNTING, AUDITING AND ACCOUNTABILITY

Partner Organisations

CPA Australia

Administering Organisation The University of Melbourne

Project Summary

Fundamental to the successful re-allocation of resources to address climate change is that greenhouse gas estimates reported by firms are reliable. The first outcome from this research is the development of tools to assist and train the Australian accountancy profession in the estimation of reliable emissions. The second outcome is identification of factors associated with the inaccuracy and bias of greenhouse gas emissions reported by companies and the consequences of the inaccuracies for the share market's valuation of emission liabilities. These research findings will identify issues that need to be addressed by regulators to ensure that the greenhouse gas estimates reported by companies are reliable.

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LP100100524 Prof Steven Praver, Dr Andrew D Greentree, Dr Raymond G Beausoleil, Dr Charles Santori

Approved Project Title **Designing the Quantum-Classical Interface: Technologies for the Diamond Quantum Co-Processor**

2010 \$230,000.00

2011 \$190,000.00

2012 \$230,000.00

Primary FoR 0206 QUANTUM PHYSICS

APAI 1

Partner Organisations

HP Laboratories

Administering Organisation The University of Melbourne

Project Summary

Diamond is already seen as the front-runner for practical, high temperature, quantum information processing tasks. This proposal places the technological spotlight firmly on diamond and partnering with Hewlett-Packard will ensure that the promise of diamond is explored in an industrially relevant (rather than just academic) fashion. HP brings enormous experience and infrastructure, as well as a proven path to prototype and market for successful technologies. This proposal is an outstanding opportunity to increase the relevance of Australian academic research, increase the training and employment options for Australian graduates, and to expand Australian funding opportunities by improving access to US research funds.

LP100100017 Prof Robin G Room, A/Prof David Moore, Dr Sarah MacLean, Mr Brian R Vandenberg, Ms Karen Goltz

Approved Project Title **Understanding and reducing alcohol-related harm among young adults in urban settings: Opportunities for intervention**

2010 \$80,182.00

2011 \$80,182.00

2012 \$80,182.00

Primary FoR 1605 POLICY AND ADMINISTRATION

APDI Dr Sarah MacLean

Partner Organisations

Hume City Council, Municipal Association of Victoria, VicHealth, Victorian Department of Human Services, Yarra City Council

Administering Organisation The University of Melbourne

Project Summary

Alcohol use is a major contributing factor to injury and death, with 2634 young Australians dying from alcohol-related causes in the decade to 2004. Local governments (LGs) urgently require research evidence on which to base policy to reduce alcohol-related harms. The project will provide an analysis of patterns of alcohol consumption by young adults in inner and peri-urban (growth corridor) LG areas, along with information about how young adults view alcohol use. In collaboration with industry partners VicHealth, the Victorian Department of Human Services, the Municipal Association of Victoria and LGs in Hume and Yarra, specific policy recommendations for implementation at LG, state and national levels will be developed and disseminated.

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LP100100307 Prof David M Studdert, A/Prof Jane E Pirkis, Prof Graham E Sewell
Approved Project Title **Learning from Preventable Deaths: A prospective evaluation of reforms to Coroners' recommendation powers in Victoria**

2010 \$86,000.00

2011 \$92,000.00

2012 \$91,000.00

Primary FoR 1117 PUBLIC HEALTH AND HEALTH SERVICES

Partner Organisations

Department of Justice, Office of the State Coroner

Administering Organisation The University of Melbourne

Project Summary

Coroners in Australia investigate nearly 13,000 deaths each year and have a unique vantage point on health and safety risks. The public as a whole will benefit from information that helps translate those insights into system changes that work to prevent injuries and accidents from occurring. This project is designed to produce such information. It will also serve stakeholders at several other levels. By illuminating circumstances in which coroners recommendations produce positive change, project findings will help coroners shape and disseminate their prevention messages for maximum effect. Also, for states interested in modifying or boosting coroners' recommendation powers, our findings will help guide reforms.

LP100100127 A/Prof Ian R van Driel, Dr Louise M Judd, Prof Andrew Giraud

Approved Project Title **New genes and models for inflammatory bowel disease**

2010 \$115,000.00

2011 \$110,000.00

2012 \$105,000.00

Primary FoR 1107 IMMUNOLOGY

Partner Organisations

CSL Ltd

Administering Organisation The University of Melbourne

Project Summary

Inflammatory bowel disease affecting millions of people world-wide and results in a significant economic burden (\$100M in Australia per year). In collaboration with Australia's largest biotechnology company, CSL, we will use a novel approach to discover the causes of inflammatory bowel disease. This work will lead to the development of new animal models of inflammatory bowel disease that are vital for analysing the disease and testing treatment options. In addition, this work may lead to new approaches to treating this disease. The project will result in a greater understanding of inflammatory bowel disease, the training of highly skilled scientists and potentially lead to economically valuable knowledge.

Summary of Successful Linkage - Projects Proposals for Funding to Commence in 2010 by State and Organisation

LP100100546 Dr Yongping Wei, Prof John Langford, Prof Raymond L Ison, Prof Qi Feng, Dr John D Colvin
Approved Project Title **Systemic and adaptive water governance: lessons for Australia from China and South Africa**

2010 \$106,851.00

2011 \$106,851.00

2012 \$106,851.00

Primary FoR 0502 ENVIRONMENTAL SCIENCE AND MANAGEMENT

APDI Dr Yongping Wei

APAI 1

Partner Organisations

Cold and Arid Regions Environment and Engineering Research Institute, Goulburn Broken Catchment Management , Khanya-African Institute for Community-Driven , Southern Rural Water

Administering Organisation The University of Melbourne

Project Summary

The way we manage catchments under climate change is one of Australia's major public policy challenges. This project will give new direction to catchment management by developing a science-policy linked, systemic and adaptive water governance mechanism. By recommending policy options for more sustainable water use and creating favourable social-institutional factors for the implementation of these policy options in two Australian catchment authorities through comparative and parallel research in China and South Africa. This project directly addresses the national priority goals of "Water - a critical resource" and "Responding to climate change". This project will also stress Australia's important role in this globally significant issue.