

Summary of Successful Linkage - Projects Proposals for Funding to Commence in 2011 by State and Organisation

Victoria

Monash University

LP110100306 Prof Susan A Charman, Prof Richard C Thompson, Dr Martine Keenan, Dr Wayne M Best, Dr Andrea Khong, Dr Eric Chatelain

Approved Project Title **Rational design of new drug candidates for the treatment of Trypanosoma cruzi infection**

2011 \$310,000.00

2012 \$144,000.00

2013 \$144,000.00

Primary FoR 0304 MEDICINAL AND BIOMOLECULAR CHEMISTRY

Partner/Collaborating Organisation(s)

Drugs for Neglected Diseases Initiative, Epichem Pty Ltd

Administering Organisation Monash University

Project Summary

There is a serious shortage of safe and effective drugs to treat Chagas disease which is caused by a parasitic infection. This project aims to design and identify new drug candidates by defining the disposition profile within the body which is necessary to achieve a therapeutic effect.

LP110100040 Dr Perran L Cook, Prof Ralph C MacNally, Prof John Beardall, Dr Jeremy S Hindell, Dr Paul Reich, Prof Ronnie N Glud, Dr Matthew R Hipsey, Prof Gerry P Quinn, Mr Matthew D White

Approved Project Title **Functional links between estuaries and their catchments: How does land use change affect estuarine ecological and bio-geochemical function?**

2011 \$114,000.00

2012 \$90,000.00

2013 \$80,000.00

Primary FoR 0602 ECOLOGY

Partner/Collaborating Organisation(s)

Department of Sustainability and Environment, Victoria, Environmental Protection Agency, Melbourne Water, NSW Department of Environment, Climate Change and Water (DECCW), Parks Victoria

Administering Organisation Monash University

Project Summary

Estuaries are iconic recreational areas of high ecological and socio-economic value. Estuarine health is strongly linked to the catchments that feed them, yet we have no detailed understanding of these links. This project will use a number of state of the art approaches to better understand how land use affects estuarine health.

Summary of Successful Linkage - Projects Proposals for Funding to Commence in 2011 by State and Organisation

LP110100057 Dr Lesley Day, Dr Michael Lenne, Dr Mark A Symmons, Dr Peter Hillard, Dr Stuart V Newstead, Prof Roderick J McClure, Mr Peter Bellion
Approved Project Title **Managing increasing challenges in motorcycle safety: strengthening research evidence for effective policy and countermeasure development**

2011		\$105,000.00
2012		\$109,000.00
2013		\$122,000.00
Primary FoR	1701	PSYCHOLOGY

Partner/Collaborating Organisation(s)

Department of Justice, Victoria, Transport Accident Commission (TAC), VicRoads, Victorian Automobile Chamber of Commerce, Victoria Police

Administering Organisation Monash University

Project Summary

Through in-depth crash investigations and motorcyclist interviews, this project will determine risk factors for serious motorcycle crashes in an environment of increased riding, more older riders, and changing traffic conditions. Outcomes will be evidence-based strategies to improve road system management and road safety.

LP110100612 Dr Mainak Majumder, Dr Ravi P Jagadeeshan, A/Prof Raman Singh, Prof Matteo Pasquali, Prof Pulickel M Ajayan
Approved Project Title **Nanotechnology enabled electrochemical energy storage materials from indigenous natural graphite**

2011		\$70,000.00
2012		\$70,000.00
2013		\$70,000.00
Primary FoR	1007	NANOTECHNOLOGY

Partner/Collaborating Organisation(s)

Strategic Energy Resources

Administering Organisation Monash University

Project Summary

This project aims to develop a technology package for reclamation of fine-fractions of indigenous natural graphite to create high-value, nano-engineered 'graphene-based' energy storage materials. A multidisciplinary team of experts in materials science, chemical engineering, physics and electrochemistry will address this issue of national priority.

LP110100585 A/Prof Sharon J Pickering, A/Prof Gail Mason, Prof Jude McCulloch, Dr JaneMaree Maher, Prof Lorraine A Mazerolle, Dr Rebecca L Wickes, Mr Jeffrey S Pope, Mr Ashley E Dickinson, Ms Leanne T Sargent, Dr David L Ballek

Approved Project Title **Targeted crime: policing and social inclusion**

2011		\$100,000.00
2012		\$90,000.00
2013		\$43,000.00
Primary FoR	1602	CRIMINOLOGY

Partner/Collaborating Organisation(s)

Victoria Police

Administering Organisation Monash University

Project Summary

This project will undertake a criminological study of the policing of targeted incidents and crime, that is, incidents and crimes motivated by bias, prejudice or hatred towards members of particular groups, communities and individuals. It will develop a best practice policing framework for targeted crimes and incidents.

Summary of Successful Linkage - Projects Proposals for Funding to Commence in 2011 by State and Organisation

LP110100528 Prof Jamie Rossjohn, Dr Robert P Anderson
Approved Project Title **Exploring therapeutic approaches to combat Coeliac Disease**

2011		\$190,000.00
2012		\$140,000.00
2013		\$165,000.00
Primary FoR	1107	IMMUNOLOGY

Partner/Collaborating Organisation(s)

Nexpep Pty Ltd

Administering Organisation Monash University

Project Summary

In Coeliac disease the immune system reacts to ingested wheat protein and attacks the tissue of the small intestine. The wheat protein activates certain immune cells and this initiates a destructive inflammation. In collaboration with the Australian-based company Nexpep, this project aims to develop therapeutics against Coeliac disease.

LP110100037 Dr Paul M Salmon, Dr Michael Lenne, Prof Caroline F Finch, Ms Erin P Cassell
Approved Project Title **Understanding and preventing injury in the Australian led outdoor activity domain: a theory driven approach to injury surveillance and prevention**

2011		\$59,473.00
2012		\$49,974.00
2013		\$60,000.00
Primary FoR	1799	OTHER PSYCHOLOGY AND COGNITIVE SCIENCES

Partner/Collaborating Organisation(s)

Australian Camps Association , Department of Planning and Community Development Victoria, Outdoor Council of Australia , Outdoor Education Australia , The Outdoor Education group , Victorian Outdoor Education Association , YMCA Victoria

Administering Organisation Monash University

Project Summary

This project will develop, trial and validate an injury surveillance system for the Australian led outdoor activity industry. An in-depth injury incident study will then be conducted and a model of led outdoor activity injury incident causation produced. This will be used to inform future injury prevention efforts and reduce injury in this domain.

Summary of Successful Linkage - Projects Proposals for Funding to Commence in 2011 by State and Organisation

LP110100264 Prof Bruce C Scates, Prof Raelene Frances, Dr Keir J Reeves, Dr Martin A Crotty, Prof Graham P Seal, Mr Thinethavone E Soutphommasane, Dr Francis R Bongiorno, A/Prof Kevin P Blackburn, Dr Stephen J Clarke, Dr Peter A Stanley, Prof Andrew Hoskins

Approved Project Title **Anzac Day at home and abroad: a centenary history of Australia's national day**

2011		\$232,012.00
2012		\$154,979.00
2013		\$157,829.00
2014		\$117,810.00
Primary FoR	2103	HISTORICAL STUDIES

Partner/Collaborating Organisation(s)

Canakkale Onsekiz Mart University, Department of Veterans' Affairs, Historial de la Grande Guerre, King's College London, Legacy Australia Council , National Archives of Australia, National Museum of Australia, Shrine of Remembrance

Administering Organisation Monash University

Project Summary

Australia is fast approaching the centenary of Anzac Day and many believe this is the one day of the year that captures the spirit of the nation. This project will examine Anzac Day's complex and much contested history, retrieving private and collective memories of war through archival research and novel and participatory public history.

LP110100062 Prof Peter A Sullivan, Prof Peter R Freebody, Prof James J Albright, Prof Douglas M Clarke, Prof Lesley E Farrell, Prof David J Clarke

Approved Project Title **Peopling educational policy: realising the new Australian English and mathematics curricula**

2011		\$232,556.00
2012		\$168,013.00
2013		\$253,453.00
Primary FoR	1302	CURRICULUM AND PEDAGOGY

Partner/Collaborating Organisation(s)

Australian Curriculum Assessment and Reporting Authority , Catholic Education office of Melbourne, NSW Department of Education and Training, Victorian Curriculum and Assessment Authority

Administering Organisation Monash University

Project Summary

Implementation of Australian curricula in English and mathematics provides an opportunity for school systems to re-examine practice. This project will identify resources and teacher learning opportunities needed to facilitate implementation of these curricula and use findings to develop interventions identified as likely to optimise implementation.

Summary of Successful Linkage - Projects Proposals for Funding to Commence in 2011 by State and Organisation

LP110100288 Prof Roger J Summers, A/Prof Ross A Bathgate, Dr Chrisan S Samuel

Approved Project Title **Relaxin: molecular mechanisms of cardioprotection**

2011 \$110,000.00

2012 \$100,000.00

2013 \$100,000.00

Primary FoR 1115 PHARMACOLOGY AND PHARMACEUTICAL SCIENCES

Partner/Collaborating Organisation(s)

Corthera Inc

Administering Organisation Monash University

Project Summary

Heart failure represents a major health and economic burden worldwide, for which there is currently no successful cure. This project will provide valuable information on the basic mechanisms associated with the vascular actions of the hormone relaxin that has shown great promise in clinical trials as a novel treatment for heart failure.

LP110100084 A/Prof Christopher J Trotter, Dr Catherine A Flynn, Dr Bronwyn G Naylor, Prof Paul M Collier, Dr David Baker, Dr Kay M McCauley-Elsom, Dr Anna Eriksson

Approved Project Title **The impact of incarceration on children's care: a strategic framework for good care planning**

2011 \$76,188.00

2012 \$100,000.00

2013 \$110,000.00

Primary FoR 1607 SOCIAL WORK

Partner/Collaborating Organisation(s)

Department of Human Services, Vic, Department of Human Services Victoria-Child Safety Commissioner , Department of Justice, Victoria, Prison Fellowship Australia - Victoria, SHINE for Kids Co-operative Ltd, VACRO - Victorian Association for the Care and Rehabilitation of Offenders

Administering Organisation Monash University

Project Summary

This project will study best practice for care planning of children whose primary carers are incarcerated within the Australian criminal justice system. It will develop a strategic framework for future policy and practice in Australian care planning with the aim of improving outcomes for both parents and children.

LP110100655 Dr Wenyi Yan, Mr Peter J Mutton, Prof Dr Guozheng Kang

Approved Project Title **Plastic deformation and failure of high strength rail steels in heavy haul transportation of mineral products**

2011 \$30,662.00

2012 \$30,662.00

2013 \$30,662.00

Primary FoR 0913 MECHANICAL ENGINEERING

Partner/Collaborating Organisation(s)

Rio Tinto Iron Ore

Administering Organisation Monash University

Project Summary

The Australian Government has made infrastructure, including rail, as a national priority for investment to meet the freight transport demand. This project focuses on the deformation and failure of rail in heavy haul lines to transport ores in the mining industry. The outcomes will be applied to ensure the structural integrity of rail infrastructure.