

Queensland

Griffith University

LP0990541 Prof AL Brown; Prof RD Braddock; Dr DM Tomerini; Prof D Botteldooren

Approved Project Title **Heavy vehicle peaks in the pattern of night-time road traffic noise: Human health and management of urban freight movement**

2009 : \$ 31,492
2010 : \$ 64,165
2011 : \$ 67,794
2012 : \$ 35,121

Primary RFCD 3101 ARCHITECTURE AND URBAN ENVIRONMENT

Collaborating/Partner Organisation(s)

Department of Main Roads, Queensland

Administering Organisation Griffith University

Project Summary

The Australian road freight industry is a significant economic activity and is growing at an unprecedented rate. Also growing is community reaction to the health effects of truck noise, to the extent that it is recognised as a major constraint to future transport operations, particularly night-time movements in metropolitan areas and in rural towns. This research will benefit the community as well as transportation and environmental authorities at all levels of government that are grappling with the challenge of managing constraints to the growth of this important industry but at the same time protecting human health and well-being.

LP0990918 Prof D DeLeo; Dr K Kolves

Approved Project Title **Trends and predictors of suicide in Australian children**

2009 : \$ 13,070
2010 : \$ 26,140
2011 : \$ 26,140
2012 : \$ 13,070

Primary RFCD 3212 PUBLIC HEALTH AND HEALTH SERVICES

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Commission for Children and Young People and Child Guardian

Department of Justice, Office of the State Coroner

Queensland Health

Department of Education, Training and the Arts

Administering Organisation Griffith University

Project Summary

The present study offers an opportunity to evaluate the trends and possibilities of this potential underestimation of suicides among Australian children and determine pathways to suicide with a specific focus on identifying predictive factors. This information is crucial to the future development of effective evidence-based prevention and intervention strategies for children. The outcomes of the project will lead to improved recognition and assessment of suicidal risk among children. The suicide process can and often does begin in early childhood and it is logical to assume that prevention and intervention strategies that are directly targeted to children may be a valuable tool in the prevention of suicide later in life.

Summary of Linkage Projects Proposals for Funding to Commence in 2009

LP0990585 Dr K Glasswell; Prof P Singh; Prof S McNaughton; Ms KL Davis
Approved Project Title **Smart Education Partnerships: Testing a Research Collaboration Model To Build Literacy Innovations in Low Socio Economic Schools**
2009 : \$ 162,012
2010 : \$ 300,473
2011 : \$ 276,803
2012 : \$ 138,343
Primary RFCD 3303 PROFESSIONAL DEVELOPMENT OF TEACHERS

Collaborating/Partner Organisation(s)

Department of Education Training and the Arts

Administering Organisation Griffith University

Project Summary

The social and economic benefits of success at school are felt at individual, local and the national levels. Literacy is a significant factor in school success. This project will build and test a model of school improvement that will develop increased capacity for effective literacy teaching, and will address significant issues of equity in the provision of high quality schooling for Australian students from diverse cultural, linguistic and/or socioeconomic backgrounds. The project has both local benefit, addressing needs in some of Queensland's most challenged schools, and will inform policy for school change in many of Australia's socially disadvantaged communities.

LP0990404 Prof GA Hope; Prof MA Reuter; Prof AN Buckley; Prof R Woods; Dr GK Heber
Approved Project Title **The flotation of oxide minerals using hydroxamate collectors**
2009 : \$ 40,000
2010 : \$ 80,000
2011 : \$ 80,000
2012 : \$ 40,000
Primary RFCD 2907 RESOURCES ENGINEERING

Collaborating/Partner Organisation(s)

Ausmelt Ltd

Administering Organisation Griffith University

Project Summary

Australian and world mineral resources are declining in quality as we exploit the richest sulfidic ore deposits. This is increasing our reliance on concentration and beneficiation processes to improve the economics of the selective recovery of minerals from lower grade and, increasingly, oxide or lateritic ore bodies. In addition, greater emphasis is being placed on our environmental stewardship and the need to remove hazardous material from the concentrate streams. This proposal will develop improved methods and techniques that will facilitate better, cleaner separations and recovery of the valuable oxide mineral components using Australian-developed flotation reagents.

LP0990569 Prof E Kendall; Dr H Muenchberger; Dr NL Sunderland; Prof P Singh; Mr GH Henniker
Approved Project Title **Both Smart and Healthy: Learning Communities as a Settings-based Approaches to Health Promotion**
2009 : \$ 54,790
2010 : \$ 106,143
2011 : \$ 105,835
2012 : \$ 54,483
Primary RFCD 3212 PUBLIC HEALTH AND HEALTH SERVICES

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Queensland Health

Administering Organisation Griffith University

Project Summary

This project will use a collaborative learning model to build health promotion capacity. The project brings together two innovative approaches to develop new knowledge about how setting-based approaches to health can be implemented in future. This approach could potentially address chronic disease at a national and international level by promoting healthy communities that can effectively manage chronic disease through collaborative learning and knowledge-building. The project represents an important collaboration between a university and its community with a view to improving health capacity.

Summary of Linkage Projects Proposals for Funding to Commence in 2009

LP0991159 A/Prof CJ Lemckert; Dr BA King

Approved Project Title **Assessing Oceanic and Tidal Forecast Data For Search and Rescue Purposes**

2009 : \$ 15,000

2010 : \$ 30,000

2011 : \$ 30,000

2012 : \$ 15,000

Primary RFCD 2802 ARTIFICIAL INTELLIGENCE AND SIGNAL AND IMAGE PROCESSING

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Asia-Pacific ASA Pty Ltd trading as Asia - Pacific Applied Science Associates

Administering Organisation Griffith University

Project Summary

Locating people lost and adrift at sea requires costly resources (aircraft, ships and rescuers) and accurate planning. Rescuers also require estimates of where currents will take them. Australian marine Search and Rescue (SAR) planning uses infrequent (typically once a week) satellite measurements of ocean currents to estimate drift patterns of people at sea. Recently developed ocean forecast models will potentially help forecast currents between the satellite observations, but are unproven for SAR use at this time and do not include tidal influences. This research project will develop measures of reliability and accuracy of using Ocean Forecasts that include tide forecasts for improving SAR planning outcomes in Australian waters.

LP0990480 A/Prof J Lopez; Dr CA Wells; Prof A Suhrbier; Dr GM Boyle; Dr DJ Naylor; Dr RJ Brown

Approved Project Title **Characterisation of the anti-inflammatory pathway targeted by chaperonin 10 (Cpn10)**

2009 : \$ 60,000

2010 : \$ 110,000

2011 : \$ 100,000

2012 : \$ 50,000

Primary RFCD 3202 IMMUNOLOGY

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

C-Bio Ltd.

Administering Organisation Griffith University

Project Summary

Diseases associated with excessive or inappropriate inflammation represent an enormous socioeconomic burden, and there is currently an urgent need to identify new targets for the development of more efficacious and safe treatments. This research seeks to provide such targets. The research may also lead to improvements in chaperonin 10 (Cpn10) treatment, which has already showing marked success in chronic inflammatory disease trials. Importantly, Cpn10 appears to be anti-inflammatory rather than immunosuppressive; a critical advantage over many current anti-inflammatory interventions. Immunosuppression can lead to increased infections, which can have serious consequences, especially in elderly patients.

Summary of Linkage Projects Proposals for Funding to Commence in 2009

LP0990766 Prof DR Peetz; Dr G Murray

Approved Project Title **The relationship between working arrangements and well-being in regional coal-mining communities**

2009 : \$ 10,000
2010 : \$ 39,363
2011 : \$ 38,121
2012 : \$ 8,758

Primary RFCD 3502 BUSINESS AND MANAGEMENT

Collaborating/Partner Organisation(s)

CFMEU Mining & Energy Division

Administering Organisation Griffith University

Project Summary

Our project aims to strengthen Australia's social fabric and help prevent psychological health problems by examining social capital in Australian coal mining communities in a holistic way. We integrate these aims with analysis of working and employment arrangements (including contracting and working hours), occupational health and safety and psychological well-being. Issues for groups that have not been systematically considered before including women miners, long distance commute workers and miners' families, are to be addressed in this large scale Australian survey. This project helps strengthen Australian economic fabric by tackling some major labour problems facing the coal industry.

LP0991191 Prof GJ Strachan; A/Prof GM Whitehouse; Prof DR Peetz; Dr JM Bailey; Dr K Broadbent

Approved Project Title **Gender and Employment Equity: Strategies for Advancement in Australian Universities**

2009 : \$ 60,000
2010 : \$ 131,500
2011 : \$ 114,000
2012 : \$ 42,500

Primary RFCD 3502 BUSINESS AND MANAGEMENT

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

National Tertiary Education Union

UniSuper Limited

Universities Australia

Administering Organisation Griffith University

Project Summary

Gender inequity in pay and employment remain a feature of Australian society and can impair labour productivity. Lower female labour force participation rates continue to be a major issue, resulting in less than optimum use of women's skills. This project undertakes detailed analysis of these issues in Australian Universities, the major training site for the national skilled workforce. It will develop practical strategies to promote gender equity in universities. As women's participation is a major driver of labour force growth, this research will provide vital information for many industries.

Summary of Linkage Projects Proposals for Funding to Commence in 2009

LP0990449 Prof RK Wortley; A/Prof SW Smallbone; Prof MB Powell

Approved Project Title **Understanding and Managing the Occupational Health Impacts on Investigators of Internet Child Exploitation**

2009 : \$ 47,500

2010 : \$ 107,500

2011 : \$ 86,140

2012 : \$ 26,140

Primary RFCD 3212 PUBLIC HEALTH AND HEALTH SERVICES

APA(I) Award(s): 2

Collaborating/Partner Organisation(s)

Queensland Police Service

Victoria Police

WA Police

NT Police Force

AFP

SA Police

NSW Police

ACT Policing

Tasmania Police

Administering Organisation Griffith University

Project Summary

Through developing best practice models for managing vicarious trauma in investigators of Internet child exploitation, the project will result in enhanced job satisfaction and less burnout of workers, and reduced health costs for policing organisations. Thus the project addresses a serious occupational health issue and contributes to the goal of promoting and maintaining good health. Further, by better managing the occupational health of investigators, the project will enhance the capacity of police organisations to deliver on their mission of investigating and preventing Internet child exploitation. This in turn contributes to the reduced consumption of Internet child exploitation and the associated traumatising of abused victims.