

Queensland

Queensland University of Technology

LP0884020 Prof KW Beagley; Prof P Timms

Approved Project Title **Development of an effective vaccine for chlamydial infection: optimisation of a non-toxic cholera toxin-based adjuvant to generate a protective mucosal response**

2008 : \$ 15,000

2009 : \$ 30,000

2010 : \$ 30,000

2011 : \$ 15,000

Primary RFCD 3202 IMMUNOLOGY

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Biovitrum AB

Administering Organisation Queensland University of Technology

Project Summary

Chlamydial genital infections are the most common sexually transmitted infection in Australia and the world and impose a major health burden on the community. Chlamydial infections are also associated with cardiovascular disease, Australia's biggest killer and asthma, another condition that has increased significantly in prevalence in the past 10 years. This project will evaluate the effectiveness of a new adjuvant as a first step towards the development of a vaccine to target these important infections.

LP0883447 A/Prof LR Buys; Dr EA Miller; Adj/Prof GM Boulton-Lewis; Prof MD Courtney; Dr R Nayak; A/Prof DJ Anderson

Approved Project Title **The neglected dimension of community liveability: Impact on social connectedness and active ageing**

2008 : \$ 45,000

2009 : \$ 94,043

2010 : \$ 103,200

2011 : \$ 54,156

Primary RFCD 3212 PUBLIC HEALTH AND HEALTH SERVICES

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Department of Communities

Council on the Ageing Queensland Inc

Gold Coast City Council

Administering Organisation Queensland University of Technology

Project Summary

Quality of life and well being are essential to maintaining a healthy and socially-engaged population. This project takes an innovative trans-disciplinary approach in addressing the national research priority of Promoting and Maintaining Good Health and the associated goal, Ageing well, ageing productively through research that identifies the attributes of communities that foster or inhibit social engagement. The outcomes of the project will inform policy makers, planners and service deliver organisations about ways to identify, improve or maintain safe housing, transport and community environments for the benefit of all Australians.

Summary of Linkage Projects Proposals for Funding to Commence in 2008

LP0884097 Prof SD Cunningham; Dr RJ King; A/Prof JC Drennan; Dr K McWilliam; Dr JM Burns; Mr C Kuddell

Approved Project Title **Promoting youth wellbeing through participatory digital media: A multidisciplinary assessment of the mental health outcomes of cyber-participation**

2008 : \$ 15,313

2009 : \$ 30,627

2010 : \$ 30,627

2011 : \$ 15,313

Primary RFCD 4001 JOURNALISM, COMMUNICATION AND MEDIA

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Inspire Foundation

Tallstoreez Productionz Pty Ltd

Administering Organisation Queensland University of Technology

Project Summary

This innovative, multidisciplinary research addresses the urgent issue of youth mental health, and aims to investigate the impact of digital media participation on improving youth wellbeing. Key national benefits of this research are: the significant potential to contribute to the larger conception, prevention and promotion of youth mental health in Australia; evaluation of, and subsequent evidenced-based innovations, of POs' digital media programs to increase level of support for youth; and the training provided to emerging researchers in the project team.

LP0883549 A/Prof JD Davey; Mr D Wishart; Dr HC Biggs

Approved Project Title **Development and evaluation of an Occupational Health and Safety framework for work related driving**

2008 : \$ 12,500

2009 : \$ 25,000

2010 : \$ 25,000

2011 : \$ 12,500

Primary RFCD 3212 PUBLIC HEALTH AND HEALTH SERVICES

Collaborating/Partner Organisation(s)

Ipswich City Council

Redland Shire Council

Tweed Shire Council

Logan City Council

Gold Coast City Council

Caboolture Shire Council

Beaudesert Shire Council

Administering Organisation Queensland University of Technology

Project Summary

This project will develop and evaluate an Occupational Health and Safety competency framework for work related road safety practices within seven council operational vehicles fleets. The results from this research will apply to work related driving in numerous organisations and communities and it is expected that results will carry over into the public domain as organisations involved comprise employees that are representatives of local communities. The information obtained from this research will have economic implications in numerous small vehicle operations that currently lack resources to obtain and develop the information and outcomes of this research program.

Summary of Linkage Projects Proposals for Funding to Commence in 2008

LP0884074 A/Prof U Dulleck; A/Prof B Torgler; Dr CJ Newton

Approved Project Title **Using Heart Rate Variability measurements to identify the effects of stress on decision making**

2008 : \$ 51,177

2009 : \$ 74,452

2010 : \$ 42,994

2011 : \$ 19,719

Primary RFCD 3401 ECONOMIC THEORY

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Grund Pfahl und Sonderbau GmbH

Autonom Talent Consulting GmbH

SOS Kinderdorf/Children Villages

Administering Organisation Queensland University of Technology

Project Summary

Rationality and the willingness to cooperate is an important aspect of human decision making. Research shows that certain decisions not only cause stress but are also affected by it. Using modern mobile heart rate monitors, we are able to measure causes and consequences of stress in a controlled and natural environment. This research will help to provide better workplace environments by helping to design better organisations, decreasing the probability of workplace accidents, and advising employees how to better use their talents. This research also helps put Australia on the forefront of modern economic research that aims to open the ultimate "black box" of human decision making.

LP0883315 Prof JH Frazer; Prof MC Burry; Prof RM Drogemuller; Ms JR Burry

Approved Project Title **Assimilation of architectural and services design in early design modelling**

2008 : \$ 64,399

2009 : \$ 131,777

2010 : \$ 136,916

2011 : \$ 69,538

Primary RFCD 3101 ARCHITECTURE AND URBAN ENVIRONMENT

APA(I) Award(s): 2

Collaborating/Partner Organisation(s)

Project Services

Administering Organisation Queensland University of Technology

Project Summary

How can buildings in a climate as varied as Australia's balance the best environmental comfort standards for their human occupants, cost and at the same time meet the urgent imperative of reduced energy consumption and associated carbon emissions? This practice-based research will develop tools to support more informed decision making in the earliest stage of an integral approach to services in the design of buildings. It will provide knowledge about designing architecture that is more environmentally responsive, can provide comfortable air in more optimised ways, that consume less energy and do this through promoting smarter use of information in practice.

Summary of Linkage Projects Proposals for Funding to Commence in 2008

LP0883320 Prof V Klenowski; Dr S Tobias; Dr K Martin; Ms TG Gertz; Ms EB de Vries
Approved Project Title **Developing culturally-fair assessment practices to achieve greater equity and success for Indigenous students.**
2008 : \$ 39,982
2009 : \$ 69,957
2010 : \$ 59,964
2011 : \$ 29,990
Primary RFCD 3301 EDUCATION STUDIES

Collaborating/Partner Organisation(s)

Catholic Education Diocese of Townsville
Independent Schools Queensland

Administering Organisation Queensland University of Technology

Project Summary

This study will provide a model to build teachers' assessment capacity to address the major problem of underperformance of Aboriginal and Torres Strait Islander students in regional Australia. In comparison with other developed countries, Australia is underperforming in relation to engaging students from disadvantaged groups. This research will advance knowledge about how to develop more culturally-fair assessment tasks using curriculum that embeds Indigenous perspectives and culturally-sensitive pedagogy. Assessment to improve young Indigenous Australian's educational performance will help them succeed in schooling to acquire skills for a more secure, economic, social and cultural future.

LP0883643 Prof A Luke; Prof V Klenowski; Prof PW Graham; Dr AW Brader
Approved Project Title **Sustainable Selves: A New Assessment Model for Marginalised Secondary Students**
2008 : \$ 43,000
2009 : \$ 86,000
2010 : \$ 86,000
2011 : \$ 43,000
Primary RFCD 3301 EDUCATION STUDIES

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Flexible Learning Centre Network
Brisbane City Council

Administering Organisation Queensland University of Technology

Project Summary

Adolescents who have left schooling present a major challenge to Australian social, economic and educational policy. Disengaged youth are more likely to experience social, health and psychological risks, poverty and cultural marginalisation. The project develops an innovative model to assess the skills, knowledge and resources of marginalised students seeking to re-enter education. An authentic portfolio approach to assessment will be piloted and implemented at Queensland's largest provider of re-entry programs, Edmund Rice Foundation Flexible Learning Centre, supported by the Brisbane City Council.

Summary of Linkage Projects Proposals for Funding to Commence in 2008

LP0883444 Prof IM Shochet; Dr JE Shakespeare-Finch; Prof R Young; Mr CD Craig; Dr PA Brough

Approved Project Title **Promoting resilience in employees working in high-stress occupations.**

2008 : \$ 45,413

2009 : \$ 92,621

2010 : \$ 96,279

2011 : \$ 49,071

Primary RFCD 3801 PSYCHOLOGY

Collaborating/Partner Organisation(s)

Queensland Police Service

Administering Organisation Queensland University of Technology

Project Summary

Promoting positive mental health in the workplace has been identified as a national research priority. Mental health problems such as depression and stress now give rise to social and economic burdens comparable to those due to physiological conditions such as heart disease. Prevention strategies are strongly endorsed by both Government and peak health bodies as a necessity if this burden is to be addressed. Effective workplace strategies for positive mental health promotion will greatly reduce burdens on the health care system and the community whilst increasing productivity in the workplace and quality of life for individuals and their families.

LP0883998 A/Prof S Tong; Prof GJ FitzGerald; Dr PJ Aitken; Prof RC Wolff; Ms VC Tippet

Approved Project Title **An evaluation of the environmental health risk of heatwaves associated with global warming**

2008 : \$ 60,955

2009 : \$ 108,202

2010 : \$ 97,059

2011 : \$ 49,812

Primary RFCD 3212 PUBLIC HEALTH AND HEALTH SERVICES

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Queensland Emergency Services

Queensland Climate Change Centre of Excellence

Queensland Health

Queensland Environmental Protection Agency

Administering Organisation Queensland University of Technology

Project Summary

Global warming is associated with an increased frequency of severe weather events including frequent and severe heatwaves. Previous studies have demonstrated that heatwaves are amongst the most deadly disasters to affect the community. This study will identify those members of the community who are most at risk from heatwaves so that strategies may be identified and implemented by governments to protect those people during severe heatwave conditions. The direct benefit to the community will be reduced mortality and morbidity and the consequential reductions in the cost of community and health support services.