

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

South Australia

University of South Australia

LP100100321 Dr Sarah L Blunden, Prof Timothy S Olds, Dr James Dollman, Dr Carol A Maher, Mr John Petkov, Ms Michele A Herriot

Approved Project Title **A randomised controlled trial assessing the effects of a school-based sleep intervention in Year 6 and 7 students**

2010 \$50,000.00

2011 \$50,000.00

2012 \$26,669.00

Primary FoR 1117 PUBLIC HEALTH AND HEALTH SERVICES

APAI 1

Partner Organisations & Collaborating Organisations

SA Department of Health

Administering Organisation University of South Australia

Project Summary

Inadequate sleep is associated with a wide range of health problems in children, including obesity and poor performance at school. Children are sleeping less than ever before, and there is an increasing pattern of "yo yo sleeping" (sleep deprivation on school days followed by catch up sleeps on weekends). This study will trial a school-based program designed to improve the sleeping habits of children. Better sleep is expected to result in improved alertness, better life satisfaction, and improved weight status.

LP100100890 Dr Lia Bryant, Dr Matthew W Rofe, Prof Guy M Robinson

Approved Project Title **People, Pumps and Pipes: A social study of change in the collaborative supply of irrigation services**

2010 \$54,581.00

2011 \$54,041.00

2012 \$54,041.00

Primary FoR 1205 URBAN AND REGIONAL PLANNING

Partner Organisations & Collaborating Organisations

Primary Industries and Resources South Australia (PIRSA), Renmark Irrigation Trust , Social Inclusion Unit - SA

Administering Organisation University of South Australia

Project Summary

The research addresses key National Priorities and Priority Goals relating to improved sustainable water management in Australia's foremost river system. The research offers deeper understanding of the social dimensions of National Water Initiative reforms, and specifically motivations for irrigators' decisions contributing to more sustainable water use following legislative reforms. The project links understanding of the nexus between policy and environmental behaviour to advance knowledge of more sustainable water use. Given the current demands on water in the Murray-Darling system and the systems national significance, the research will make a vital contribution to management of this critical national resource.

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LP100100449 Prof Maureen F Dollard, Prof Anthony H Winefield, A/Prof Anne W Taylor, Dr Peter M Smith, Prof Andrew Nafalski, Prof Dr Arnold Bakker, Prof Dr Christian Dormann
Approved Project Title **State, organisational, and team interventions to build psychosocial safety climate using the Australian Workplace Barometer and the StressCafe**

2010	\$128,000.00
2011	\$106,000.00
2012	\$106,000.00
Primary FoR	1701 PSYCHOLOGY
APAI	1
APAI_IT	1

Partner Organisations & Collaborating Organisations

SafeWork SA, SA Health (Public Health and Clinical Coordination)

Administering Organisation University of South Australia

Project Summary

The project is inspired by the nationally agreed target of 40% reduction in workplace injuries by 2012. Informed by leading indicators assessed through the Australian Workplace Barometer, this research will build evidence-based interventions at both a state, organisation, and team level to reduce risks and psychological injury. This project is promoting good health and well being, Preventative healthcare, and Strengthening Australia's social and economic fabric. An innovative platform will be built, the StressCafe', for the translation of research into policy and practice, through better access by stakeholders to information and discoverable data.

LP100100272 Dr Dusan Losic, Dr Craig I Priest, Mr David T Wang
Approved Project Title **Microchip Impedance Biosensor for Biomedical Diagnostics**

2010	\$40,000.00
2011	\$40,000.00
2012	\$39,000.00
Primary FoR	0301 ANALYTICAL CHEMISTRY
APAI	1

Partner Organisations & Collaborating Organisations

Inphaze Pty Ltd

Administering Organisation University of South Australia

Project Summary

This research proposal uses an innovative engineering approach based on novel nanomaterials with the aim of developing a new and generic biosensing technology with the potential to be widely applied in many areas including medical diagnostics, environmental control, industry and biosecurity. The outcomes from this project will benefit Australia by contributing through the development of novel materials, new technologies and new devices. The development of technological innovations based on fabricated nanomaterials, will also enhance capacity in frontier technology such as nanotechnology, and build Australia's strength in using new biosensing technologies.

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LP100100616 Prof Robert D Short, Prof Nicolas H Voelcker, Prof Joseph G Shapter, A/Prof Linda Y Zou, Dr Amanda V Ellis, Dr Manrico (Rick) Fabretto, Dr John A van Leeuwen, Dr Christopher W Chow, Ms Mary Drikas

Approved Project Title **Materials Engineering Solutions for Tomorrow's Water Resources**

2010 \$300,000.00

2011 \$288,765.00

2012 \$307,486.00

Primary FoR 0912 MATERIALS ENGINEERING

Partner Organisations & Collaborating Organisations

Australian Water Quality Centre, SA WATER, South Australian State Government, United Water International Pty Ltd

Administering Organisation University of South Australia

Project Summary

This proposal concerns the development of advanced technologies informed by knowledge management systems to ensure the continued provision of high-quality drinking water to Australian. This is particularly important as we see the impacts from climate change and extreme weather variability with catastrophic consequences such as recently seen in Victoria and in Queensland on water catchments and water quality and supply. The challenges of adequate water resourcing, both in quantity and quality, for Australians who wish to lead healthy and productive lives are serious and require collaboration between industry, government and research providers such as is proposed here.

LP100100863 Dr Natalie Sinn, Prof Kerin O'Dea, Prof Peter R Howe, Mr Patrick J Cooper

Approved Project Title **Effects of omega-3 fatty acids and micronutrients on learning and behaviour of Indigenous Australian children from a remote community school**

2010 \$175,000.00

2011 \$25,395.00

Primary FoR 1111 NUTRITION AND DIETETICS

Partner Organisations & Collaborating Organisations

NT Department of Education and Training, Vifor Pharma Vifor AG

Administering Organisation University of South Australia

Project Summary

Indigenous Australian children have disproportionate health problems that are largely related to malnutrition, which affects physical health and may also impact on their emotional health, learning and behaviour. Indigenous Australian children in remote rural communities are performing well below national benchmarks, and the government has earmarked improved education in this population as a top national priority. To date research has not addressed the impact of nutrition on learning in this population. Improving the nutritional status of these children could assist them to derive greater benefit from educational opportunities, and in turn greater equality of access to occupational opportunities later in life.

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

LP100100340	Dr Michelle R Tuckey, Prof Anthony H Winefield, Prof Helen R Winefield, Mr Quentin C Black	
Approved Project Title	Helping retail employees deal with threatening situations at work: Coping with acute and chronic stressors	
2010	\$80,000.00	
2011	\$80,000.00	
2012	\$80,000.00	
Primary FoR	1701	PSYCHOLOGY
APAI	1	

Partner Organisations & Collaborating Organisations

Shop Distributive Association

Administering Organisation University of South Australia

Project Summary

This research will develop best practice protocols in the retail sector for employee training in handling and responding to difficult customers and stressful and traumatic incidents. In addition, this research proposes to develop best practice protocols for employer responding and for assessment and treatment of employees in the retail sector. The national benefit will be a healthier, happier and more productive retail sector workforce. The results are likely to be applicable to other sectors of the Australian workforce and thus have broad national/community benefits.