

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

Australian Capital Territory

The Australian National University

LP100200604 Dr Jong H Chow, Prof David E McClelland, Dr Daniel A Shaddock, Dr Malcolm B Gray, Dr Richard B Warrington, Dr Michael Collins, Dr Edward H Roberts

Approved Project Title Quantum noise limited molecular spectrometry

| | |
|------|--------------|
| 2010 | \$75,000.00 |
| 2011 | \$127,500.00 |
| 2012 | \$112,500.00 |
| 2013 | \$60,000.00 |

2014

2015

Primary FoR 0205 OPTICAL PHYSICS

Partner/Collaborating Organisation(s)

National Measurement Institute

Administering Organisation The Australian National University

Project Summary

This project will develop a new technology for chemical analysis using lasers. The research will produce more accurate instruments for analysing samples containing carbon dioxide and water. This technology has a surprisingly wide array of applications. For example, sensitive analysis of carbon dioxide will help law enforcement agencies identify the location of illicit drug manufacturing, test for performance enhancing drug use by elite athletes, and monitor greenhouse gases. The instrument for analysing water will improve water resource management in Australia. This program will result in commercial instruments that are sensitive, portable and affordable.

LP100200079 Dr Peter J Christen, Dr Peter E Strazdins, Dr Ross W Gayler, Prof David A Hawking

Approved Project Title Exposing the anonymous attacker: detecting identity crimes using real-time entity resolution on large dynamic databases

| | |
|------|-------------|
| 2010 | \$40,000.00 |
| 2011 | \$80,000.00 |
| 2012 | \$80,000.00 |
| 2013 | \$40,000.00 |

2014

2015

Primary FoR 0801 ARTIFICIAL INTELLIGENCE AND IMAGE PROCESSING

APAI_IT 1

Partner/Collaborating Organisation(s)

Funnelback Pty Ltd, Veda Advantage Information Services and Solutions Limited

Administering Organisation The Australian National University

Project Summary

Given the increasingly large costs of identity crimes in Australia, developing improved electronic identity verification techniques is highly significant in reducing losses from such crimes, making the Australian economy more competitive, and increasing consumer confidence in Australian financial institutions. Veda Advantage is widely used for identity verification by Australian financial service providers, so the benefits of the techniques developed in this project will automatically flow through to the Australian community. These techniques will be sufficiently generic to be of use for real-time identity verification in a broad range of applications, including e-Government portals, electronic banking, online stores, or national security systems.

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LP100200203 Prof Kerry R Jacobs, A/Prof Habib Mahama, Dr William G Sanders, Ms Katherine G Curchin

Approved Project Title **The practice of accountability in Australian Indigenous corporations**

2010 \$40,000.00

2011 \$80,000.00

2012 \$80,000.00

2013 \$40,000.00

2014

2015

Primary FoR 1605 POLICY AND ADMINISTRATION

APAI 1

Partner/Collaborating Organisation(s)

The Office of the Registrar of Indigenous Corporations

Administering Organisation The Australian National University

Project Summary

As Australian Indigenous corporations are fundamental to economic participation and social provision in the nation's Indigenous communities this project will contribute to increasing and sustaining social and economic participation in these communities. While there is a new Act governing Australian Indigenous corporations there has been little work to evaluate the implementation and implications of the Act. Therefore this project is timely and important. The fundamental question is how these organisations can both serve the needs of their local communities and meet broader accountability obligations expected of them. This issue is fundamental to the delivery of state funded services and benefits to Australian Aboriginal and Torres Strait Islander communities.

LP100200463 Prof Andrew K Leigh, Dr Shane A Brittle

Approved Project Title **Estimating the impact of fiscal stimulus on household expenditure**

2010 \$40,425.00

2011 \$40,425.00

2012

2013

2014

2015

Primary FoR 1402 APPLIED ECONOMICS

Partner/Collaborating Organisation(s)

Commonwealth Department of Treasury

Administering Organisation The Australian National University

Project Summary

This project aims to measure the impact on household expenditure of unexpected government bonus payments. Precise measures of this parameter can help improve fiscal policy in Australia and overseas, whilst giving researchers a more precise understanding of how households react to unexpected increases in disposable income. This research will also make a methodological contribution, since we will be using a research methodology not previously implemented in Australia, which is to exploit the random timing of payments across households, combined with a unique household-level panel dataset on weekly expenditure. The project will compare results using this approach with results from other strategies, such as surveys and time series analysis.

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LP100200415 Prof Susan L O'Connor, A/Prof Jane M Balme, Dr Moya V Smith

Approved Project Title **Life ways of the first Australians**

| | |
|------|--------------|
| 2010 | \$112,500.00 |
| 2011 | \$228,000.00 |
| 2012 | \$205,500.00 |
| 2013 | \$90,000.00 |
| 2014 | |
| 2015 | |

Primary FoR 2101 ARCHAEOLOGY

APAI 2

Partner/Collaborating Organisation(s)

Department of the Environment, Water, Heritage and the Arts, Kimberley Foundation Australia, Western Australian Museum

Administering Organisation The Australian National University

Project Summary

The project will enhance national cultural heritage assessment and management in the west Kimberley. This is a Australian Government priority because of planned Liquid Natural Gas and other developments in this region. Through the project officer positions, Indigenous communities will gain training and skills that will lead to sustainable livelihoods in cultural tourism or employment opportunities in government cultural heritage agencies. The project directly addresses the National Research Priority goal of responding to climate change and variability by advancing knowledge and understanding of past climates, and assisting in better modelling of future climate change in our region. The project will provide postgraduate training in fieldwork and analysis for APAIs.

LP100200359 Prof Nicolas Peterson, Prof Fred R Myers, Dr Peter B Thorley

Approved Project Title **Pintupi Dialogues: reconstructing memories of art, land and community through the visual record**

| | |
|------|-------------|
| 2010 | \$32,500.00 |
| 2011 | \$55,000.00 |
| 2012 | \$52,500.00 |
| 2013 | \$30,000.00 |
| 2014 | |
| 2015 | |

Primary FoR 1699 OTHER STUDIES IN HUMAN SOCIETY

Partner/Collaborating Organisation(s)

National Museum of Australia, Papunya Tula Artists Pty.Ltd.

Administering Organisation The Australian National University

Project Summary

The issue of Indigenous access to and control of material relating to their life and culture in museums and archives is alive and contentious. Indigenous people are increasingly seeking repatriation of such materials and/or to draw on them to create community histories and to assist in meeting the challenges modernisation poses for cultural reproduction. This project contributes directly to empowering Indigenous people in relation to the archive and in so doing contributing to the consolidation of positive relations between them and such institutions. This is a contribution to reconciliation. Archives are created for national benefit and this project will also value add to it through content enrichment.