

Summary of Linkage Projects Proposals for Funding to Commence in 2009

Victoria

Swinburne University of Technology

LP0990326 A/Prof M Bhawe; Dr DJ Murphy

Approved Project Title **Unravelling the biochemical fingerprint of Australian native plants for sustainable farm forestry and other applications**

2009 : \$ 13,070

2010 : \$ 26,140

2011 : \$ 26,140

2012 : \$ 13,070

Primary RFCD 2702 GENETICS

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Royal Botanic Gardens Melbourne

Northern United Forestry Group

Administering Organisation Swinburne University of Technology

Project Summary

Dryland salinity is an issue of national significance due to its impact on primary industries which contribute billions of dollars to our economy. However, millions of hectares of arable land are now affected by salinity, with devastating effects on crops, native plants, water quality and wildlife. This project works with the rural community and exploits the unique gene pool of certain Australian salinity-tolerant plants for environmental benefits (revegetation, salinity control) and simultaneous economic returns through using these for timber and perennial fodder. The project thus addresses the national priorities of preventing the expansion of salinity, putting it to sustainable uses and preserving biodiversity.

LP0990478 Prof MD Gilding; Prof PE Pattison; Prof A Lomi

Approved Project Title **Network dynamics and field evolution: hubs, clusters and interorganisational ties in biotechnology**

2009 : \$ 18,689

2010 : \$ 37,464

2011 : \$ 39,143

2012 : \$ 20,368

Primary RFCD 3602 POLICY AND ADMINISTRATION

Collaborating/Partner Organisation(s)

AusBiotech

Administering Organisation Swinburne University of Technology

Project Summary

The study will support a robust biotechnology industry in Australia, which delivers economy-wide benefits and provides employment for local life scientists. Although Australia has a long history of innovation and achievement in the life sciences, commercial benefits in the field have often been harvested elsewhere. Australian governments are making substantial investments in biotechnology, including education and training, directed towards developing the local industry. The proposed study will make these investments more informed, facilitating fine-grained development of public policy and industry strategy.

Summary of Linkage Projects Proposals for Funding to Commence in 2009

LP0991378 A/Prof DJ MacKenzie; Dr PR Flatau; Prof AB Steen

Approved Project Title **The costs of youth homelessness in Australia**

2009 : \$ 53,238

2010 : \$ 111,330

2011 : \$ 113,419

2012 : \$ 55,327

Primary RFCD 3701 SOCIOLOGY

Collaborating/Partner Organisation(s)

The Salvation Army

Anglicare

Mission Australia

Administering Organisation Swinburne University of Technology

Project Summary

This three-year research project will provide a detailed picture of the cost of youth homelessness in Australia, the use of services by young homeless people and the costs and benefits of providing support services to young homeless people. The study will extend the evidence base on the cost-effectiveness of programs attempting to alleviate youth homelessness, and enable Australian governments, community groups and agencies involved in the provision of support services to homeless youth to understand better the pathways followed by young homeless people and the impact of service provision on the lives of young homeless people.

LP0990703 Prof P Taylor; A/Prof L Brooke; Dr D Olsberg; Prof MA Steinberg; Prof NL Cherry; Dr JF Gregory

Approved Project Title **Retiring women: Understanding older female work-life transitions**

2009 : \$ 68,070

2010 : \$ 111,140

2011 : \$ 97,570

2012 : \$ 54,500

Primary RFCD 3502 BUSINESS AND MANAGEMENT

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

ESS Super

Westpac Banking Corporation

UniSuper

Administering Organisation Swinburne University of Technology

Project Summary

There are significant gaps in knowledge in relation to the later life experiences of work and retirement among older women, whose career opportunities and trajectories, experiences of balancing work and personal aspects of life, social relationships both at work and in the community, financial security, and lived experience of ageing, may differ from those of men. As a consequence of such gaps, public policymaking and that of employers is based on an incomplete understanding of older women's orientations and attitudes. The study will develop policy and practice recommendations for structuring and enriching women's later job and retirement opportunities.

Summary of Linkage Projects Proposals for Funding to Commence in 2009

LP0990393 Prof Y Yang; Prof R Kotagiri; A/Prof C Liu; Dr J Chen; Dr H Wang

Approved Project Title **Novel cloud computing based workflow technology for managing large numbers of process instances**

2009 : \$ 67,000

2010 : \$ 134,500

2011 : \$ 123,000

2012 : \$ 55,500

Primary RFCD 2801 INFORMATION SYSTEMS

APA(I) Award(s): 2

Collaborating/Partner Organisation(s)

Shandong Dareway Software Co, Ltd

Administering Organisation Swinburne University of Technology

Project Summary

Cloud computing is a recent computing paradigm which can offer workflow with services via virtualised resources from the Internet. This project develops new technology with a novel cloud workflow architecture and its corresponding innovative mechanisms for managing millions of process instances effectively. The success of this project will build and foster long-term collaboration with the industry partner. The research conducted with this project will position Australia as a world leader in this area. The intellectual property resulting from project outcomes will potentially benefit many Australian organisations with similar nature for e-business like insurance and banking processes, and e-government like Medicare and Centrelink processes.