

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

### South Australia

#### The Flinders University of South Australia

**LP100200409** A/Prof Luciano B Beheregaray, Dr James O Harris, Mr Mark A Adams

**Approved Project Title** **Restoration genetics of five endangered fish species from the Murray-Darling Basin**

2010		\$75,000.00
2011		\$142,500.00
2012		\$127,500.00
2013		\$60,000.00
2014		
2015		
Primary FoR	0604	GENETICS

APAI 1

#### Partner/Collaborating Organisation(s)

Native Fish Australia (SA) Inc, Primary Industries and Resources South Australia (PIRSA), SA Department of Environment and Heritage, South Australian Murray Darling Basin Natural Resource Management Board, South Australian Museum

**Administering Organisation** The Flinders University of South Australia

#### Project Summary

Extended drought and environmental degradation have caused unprecedented loss of aquatic biodiversity in the Murray-Darling Basin (MDB), Australia's most important agricultural region. This project will reduce the risk of extinction of two endangered and three critically endangered freshwater fish species from the lower MDB. It will provide major benefits to the broader Australian community by addressing government policies regarding sustainable water management in rural areas, biodiversity protection and recovery of threatened species. The study will also increase the research profile of Australia in the international scientific community by improving our understanding about genetic diversity in captive breeding and restoration programs.

**LP100200413** Prof Mary A Luszcz, Asst Prof Denis Gerstorf, A/Prof Christiane A Hoppmann

**Approved Project Title** **Day-to-day life of adults after age 85: the interplay of mood, engagement, cognition and health in the context of prior functioning**

2010		\$75,315.50
2011		\$105,990.50
2012		\$61,350.00
2013		\$30,675.00
2014		
2015		
Primary FoR	1103	CLINICAL SCIENCES

APAI 1

#### Partner/Collaborating Organisation(s)

Anglicare SA Inc, COTA Seniors Voice, ECH, Helping Hand Aged Care Inc, Office for the Ageing, SA Department of Health, The Pennsylvania State University, The University of British Columbia

**Administering Organisation** The Flinders University of South Australia

#### Project Summary

The research will offer considerable social benefits to the Australian community by providing a rare insight into how people over the age of 85 can continue to contribute actively to, and remain engaged with, society. It will improve knowledge and understanding of productive ageing by examining how everyday cognition and mood vary depending on different situational contexts and daily activities. It will offer information on the challenges and opportunities experienced by this group of older adults, and reveal the inter-relatedness of social networks, isolation, independence and health for this group of very old adults.

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**LP100200624** A/Prof Janis G Matisons, A/Prof Raman Singh, Dr Cameron M Dinnis

**Approved Project Title** **New silane anti-corrosion coatings for steel surfaces**

2010	\$70,000.00
2011	\$150,000.00
2012	\$145,000.00
2013	\$65,000.00
2014	
2015	

Primary FoR      0303      MACROMOLECULAR AND MATERIALS CHEMISTRY

APAI                      0

**Partner/Collaborating Organisation(s)**

Orrcon Operations Pty Ltd

**Administering Organisation**      The Flinders University of South Australia

**Project Summary**

Steel products are a major export for Australia. Orrcon is one of Australia's largest suppliers of steel pipe and tubing. This study of how to stop steel from corroding will produce new breakthroughs in understanding silane chemistry, which is safer, cheaper and more effective in reducing rust, than what is being used today. This new science will benefit Australia's research into corrosion and help us to be more competitive in the export of steel. Our proof of concept studies on the corrosion resistance of new silanes on aerospace aluminium alloys has helped Australian products enter markets where chromium(VI) is now banned. Silicon chemistry is also little researched in Australia and this project will train four new researchers in this field.

**LP100200549** Dr Carlene J Wilson, Prof Paul R Ward, Prof John Coveney, A/Prof Garry L Robins, Ms Caroline Miller, Prof Jonathan D Karnon, Dr Laura M Koehly

**Approved Project Title** **Intergenerational transmission of dietary behaviour**

2010	\$34,912.00
2011	\$69,774.00
2012	\$71,972.50
2013	\$37,110.50
2014	
2015	

Primary FoR      1117      PUBLIC HEALTH AND HEALTH SERVICES

APAI                      1

**Partner/Collaborating Organisation(s)**

Cancer Council SA

**Administering Organisation**      The Flinders University of South Australia

**Project Summary**

The health of future generations depends largely on the health of current generations. Bad eating habits associated with obesity and other chronic diseases are often passed from parents to children. This study will provide insight into the ways in which these habits are perpetuated within families of various cultural backgrounds. It will establish how assessing family health history can be used as a tool to help identify and modify the risk of chronic, life-threatening disease in families and individuals. If proven effective, this tool can be rolled out nationwide to help promote and maintain healthier diets in Australian families and reduce the economic burden on the government.