



Examples of *Linkage Projects* Round 2 in 2011

Victoria

Linkage Projects totalling \$14,458,527 covering 55 projects

The University of Melbourne (Contact: 03 8344 2000)

Assessing the impact of habitat restoration on the rates of recovery of four native fish species using advanced statistical models (LP110200211)

Summary: This project will develop statistical modelling tools to assess how quickly threatened native fish populations recover following habitat restoration. The outcome of this project will aid in understanding the use of habitat restoration in managing endangered stocks of Murray Cod, Trout Cod, Silver Perch and Golden Perch in the Murray River.

Lead Chief Investigator: Professor Richard Huggins

ARC funding: \$91,000 over 3 years

Monash University (Contact: 03 9905 3012)

Dissecting the physiology of multipotent mesenchymal stromal cells to develop vaccine candidates for respiratory disease (LP110201169)

Summary: The project aims to gain an understanding of how a type of adult stem cell inhibits immune responses that cause asthma. The project will produce new stem cell products and facilitate the design of a vaccine for asthma and other respiratory diseases, which would greatly reduce the burden of such conditions.

Lead Chief Investigator: Dr Tracy Heng

ARC funding: \$355,000 over 3 years

Swinburne University of Technology (Contact: 03 9214 5267)

Ultrasonic production of skim milk (LP110200499)

Summary: Milk will be skimmed using ultrasonic waves and tiny bubbles that separate the fat droplets from whole milk, saving energy and cleaning costs. It will also be possible to precisely select different nutritional compounds from the rich resource that is whole milk, enabling future health products.

Lead Chief Investigator: Dr Richard Manasseh

ARC funding: \$300,000 over 3 years



Deakin University (Contact: 03 5227 2673)

Engineering a silk fibroin based ear drum with optimum acoustic properties
(LP110200547)

Summary: This project will use new silk fibroin materials to develop ear drums with improved acoustic properties. This will lead to significant improvement in the quality of life of nearly 2.5 million people in Australia who are affected by hearing loss and further strengthen Australia's leading position in this area.

Lead Chief Investigator: Professor Xungai Wang

ARC funding: \$415,000 over 4 years

RMIT University (Contact: 03 9925 4265)

A fast and effective automated insider threat detection and prediction system
(LP110200321)

Summary: Threats from insiders directly compromises the security, privacy and integrity of Australian e-commerce, large databases and communication channels. This project will provide an essential step in combating this criminal activity by developing methods to detect such threats and secure the public's information against exposure and identity theft.

Lead Chief Investigator: A/Professor Serdar Boztas

ARC funding: \$255,000 over 3 years

University of Ballarat (Contact: 03 5327 9745)

Recognising the skill in jobs traditionally considered unskilled (LP110200888)

Summary: Some jobs are regarded as skilled and others as unskilled, yet all jobs contain skill. This project will examine under-recognised and undervalued skills in the service and manufacturing sectors, and explores the implications of these findings for government policy, the training system, companies and workers.

Lead Chief Investigator: Professor Erica Smith

ARC funding: \$135,000 over 3 years

Victoria University (Contact: 03 9919 5577)

How migration reshapes labour markets: a study of professional service firms
(LP110200629)

Summary: Australia needs skilled migration to maintain its economic growth and replenish its skill base as the population ages. It needs the skills of migrant accountants. This project will identify the barriers migrants face when seeking work in the financial services industry and discover how migration is changing the financial services labour market.

Lead Chief Investigator: Professor Beverley Jackling

ARC funding: \$127,781 over 3 years