

Summary of Linkage Projects Proposals for Funding to Commence in 2009

Victoria

Swinburne University of Technology

LP0989191 A/Prof M Bhave; Dr EA Palombo; Dr JF Panozzo

Approved Project Title **New approaches for screening cereal germplasm for enhanced microbial pathogen resistance and desirable grain texture**

2009 : \$ 26,140

2010 : \$ 26,140

2011 : \$ 26,140

Primary RFCD 2702 GENETICS

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Department of Primary Industries

Administering Organisation Swinburne University of Technology

Project Summary

The trait of grain hardness (texture) is of significance to the Australian infrastructure, as exports of hard wheat contribute over 5 billion dollars per year on average to the national economy and hard wheats are also important for domestic usage. The genes responsible for grain texture also impart resistance to bacterial and fungal pathogens which can cause extensive damage. However, the Australian gene pool has very limited genetic diversity in grain textures and thus possibly in pathogen resistance. The project will work out the science behind these two traits and identify lines with new variants of textures and pathogen resistances, thus greatly benefiting the national infrastructure and local primary industries.

LP0989878 Prof JD Langan-Fox; Prof CK Stough; Dr E Cunningham

Approved Project Title **Preventing Adverse Events in Hospitals**

2009 : \$ 45,000

2010 : \$ 46,000

Primary RFCD 3212 PUBLIC HEALTH AND HEALTH SERVICES

Collaborating/Partner Organisation(s)

Barwon Health

Royal Adelaide Hospital: Central Northern Adelaide Health Service

Mater Adults Hospital

Administering Organisation Swinburne University of Technology

Project Summary

Our research will construct strategies and tools for preventing hospital adverse events and should develop knowledge and expertise about reducing care complications in high risk patients. This research has collaborating partners which are hospitals in Victoria, South Australia and Queensland. These form part of the preventative healthcare network with implications for the nation's social and economic fabric through their role in reducing morbidity, mortality and supporting the health of all Australians. Since acquired complications have comparable costs to the healthcare system as that of all other forms of injury combined, there will be substantial benefits to hospitals through reduced costs.