

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

## Western Australia

### Murdoch University

**LP100100160** A/Prof Una M Ryan, Dr Paul T Monis

**Approved Project Title** **Innovative approaches to managing and understanding taste and odour in drinking water systems**

2010 \$70,000.00

2011 \$70,000.00

2012 \$70,000.00

Primary FoR 0502 ENVIRONMENTAL SCIENCE AND MANAGEMENT

#### Partner Organisations

Australian Water Quality Centre, Water Corporation of WA

**Administering Organisation** Murdoch University

#### Project Summary

Taste and odour (T/O) problems resulting from Cyanobacteria can change consumers' perception of product safety, resulting in many complaints, soaring management and treatment costs, and large financial losses, yet little is known about how they arise.

This project will provide the Australian Water Industry with cost-effective, sensitive, specific, rapid and practical tools for managing and understanding T/O episodes, and will also benefit the aquaculture and food sectors, and the research community. An improved ability to manage geosmin in drinking water, will also have positive repercussions on the Australian environment, by eliminating the need to use environmentally controversial control methods such as copper sulphate dosing.

**LP100100837** Dr Amanda J Third, Dr Ingrid Richardson, Dr Jane M Burns, Dr Lucas L Walsh, Ms Philippa J Collin

**Approved Project Title** **Young People, Technology, and Wellbeing Research Facility**

2010 \$77,000.00

2011 \$69,000.00

2012 \$55,000.00

Primary FoR 2001 COMMUNICATION AND MEDIA STUDIES

APAI 1

#### Partner Organisations

Foundation for Young Australians, Inspire Foundation, MySpace, National Children's and Youth Law Centre, NSW Commission for Children and Young People, Telstra Foundation

**Administering Organisation** Murdoch University

#### Project Summary

Large numbers of initiatives now mobilise technology to support the wellbeing of young Australians. However, amongst communities undertaking this work, there is currently significant duplication and insufficient sharing of research and best practice models. A Research Facility that consolidates existing research, and guides new research and initiatives will improve service delivery to young Australians by: reducing duplication between organizations working with young people; providing an accessible interface with research that can help address the community's concerns about the role of technology in young people's lives, and inform future policy and programs; and model effective cross-sector knowledge brokering to Australian industry.

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**LP100100776** Prof Richard C Thompson, Mr Robert F Steuart, Dr Tim A Paget, Dr Richard J Lipscombe, Prof Andre G Buret

**Approved Project Title** **Functional proteomics of Giardia**

2010 \$85,000.00

2011 \$85,000.00

2012 \$85,000.00

Primary FoR 0601 BIOCHEMISTRY AND CELL BIOLOGY

APAI 1

### **Partner Organisations**

Proteomics International Pty Ltd

**Administering Organisation** Murdoch University

### **Project Summary**

This project will use the latest tools for dissecting and comparing genes and their protein products from one of the most common parasites infecting people, their pets, livestock and wildlife. This protozoan parasite Giardia is also of evolutionary and biological significance in terms of understanding the origin of higher animals from bacteria as well as fundamental questions about the parasitic way of life. Giardia proteins will be identified and characterised on the basis of their value in understanding disease processes and treatment, and by working with appropriate industry partners, proteins of commercial value will be exploited.