



Examples of new *Linkage Projects* in 2010

Australian Capital Territory

The Australian National University (Contact: 02 6125 5575)

Best practice temperate woodland assessment, management and monitoring
(LP100100467)

Summary: The loss of biodiversity in agricultural landscapes in rural Australia is a major social, economic and ecological issue. Australian governments and local communities invest considerable money restoring temperate woodlands in agricultural landscapes. However, there remains considerable uncertainty about the effectiveness of this investment. This project will produce an unparalleled evidence-base for individuals and organisations that make long-term investments in these landscapes for conservation.

Chief Investigator: Professor David Lindenmayer

ARC funding: \$318,000 over 4 years

The University of Canberra (Contact: 02 6201 2441)

Financing aged care in Australia: Mitigating fiscal gaps and maintaining intergenerational equity (LP100100810)

Summary: Aged care has been identified as a significant contributor to the growing fiscal problems predicted for Australian government finances during the next 10 to 20 years. This project will develop the cutting-edge modelling tools needed to allow Australia to make informed decisions about possible reforms in aged care financing. It will create significant national benefits by allowing detailed assessment of the distributional impact of a wide range of possible reforms, including how the outcomes of any policy change will affect disadvantaged sections of our society, whether different generations will be fairly treated, and the impact by gender.

Chief Investigator: Professor Laurie Brown

ARC funding: \$275,000 over 3 years

The Australian National University (Contact: 02 6125 5575)

Advancing Medical Image Analysis through High Performance Heterogeneous Computing, Numerical Simulation, and Novel Human Computer Interfaces
(LP100100588)

Summary: The engagement of world-class personnel from Microsoft will provide unprecedented opportunities for graduate students to experience research in both an academic and an industrial setting. The participation of Microsoft product division offers the potential to transform the outcomes of this project into widely-used software solutions. The project will pave the way for more widespread and reliable evidenced-based computer-aided diagnosis and image-guided treatment. It will produce well-trained and sought-after graduates and research associates with extensive interdisciplinary knowledge of medical image analysis and high-performance computing.

Chief Investigator: Professor Rodney Kennedy

ARC funding: \$805,000 over 3 years

