

Summary of Linkage Infrastructure Applications for Funding to Commence in 2006

Western Australia

The University of Western Australia

LE0668413 A/Prof BJ Griffin; Prof LD Beazley; Dr PL Clode; Prof SA Dunlop; Prof L Faraone; Dr L Filgueira; Dr S Hinckley; Prof SP Klinken; Prof JJ Kuo; A/Prof NG Laing; Prof GM Parkinson; Prof Z Rengel; Dr M Saunders; A/Prof TG St Pierre; Prof SM Thurgate; Prof GC Yeoh; Prof A van Riessen

Approved Project Title **The Nanoscale Characterisation Centre WA Analytical Biological Transmission Electron Microscope Facility**

2006 : \$723,000

Primary RFCD 2701 BIOCHEMISTRY AND CELL BIOLOGY

Partner Organisation(s)

The University of Western Australia
Curtin University of Technology
Murdoch University
Edith Cowan University

Administering Institution The University of Western Australia

Project Summary

A new regional analytical biological TEM (BioTEM) will provide critical support to acclaimed medical and biological groups researching nationally significant age-related health, agricultural and environmental questions. The BioTEM, for example, will allow a unique opportunity to detect metal uptake and accumulation in bone-forming cells. This research will provide insight into metal induced afflictions, such as nasal ulcer, lung cancer, contact dermatitis and hypersensitivity reactions like asthma. The BioTEM will also be used to study how plants take up nutrients and how they use these compounds for growth, development and reproduction. Successes in this research will transfer to the important development of salt-tolerant plant species.

LE0668377 Dr Z Li; Prof ME Barley; Prof PA Cawood; A/Prof LB Collins; A/Prof MC Dentith; Dr IC Fitzsimons; A/Prof DW Haig; Dr SA Pisarevsky; Dr SM Reddy; Dr MT Wingate; Dr K Wyrwoll; Dr ZQ Chen; Dr IM Tyler

Approved Project Title **Western Australia Palaeomagnetic and Rock-magnetic Facility**

2006 : \$246,000

Primary RFCD 2601 GEOLOGY

Partner Organisation(s)

The University of Western Australia
Curtin University of Technology
OTHER (Geological Survey of WA)

Administering Institution The University of Western Australia

Project Summary

The WA Palaeomagnetic and Rock-magnetic Facility is an essential piece of infrastructure for geoscience developments in WA and Australia in general. It not only serves the needs of the scientific community, but also supports resource-related projects sponsored by government and the resource industries, and serves the educational needs of postgraduate, undergraduate, and school students. Upgrading of the WA facility will enhance the research capacity of the WA geoscience community and maintain its international position in tectonic, palaeogeographic, and palaeoclimatic studies, and in ore genesis research.

LE0668458 Em/Prof DE Tunley; Prof MJ Kartomi; Dr V Rogers; Dr TN Burrows; Ms RF Holmes

Approved Project Title **Sound Footings: creating a web-based research infrastructure of major music archives**

2006 : \$175,000

Primary RFCD 4101 PERFORMING ARTS

Partner Organisation(s)

The University of Western Australia
Monash University
National Library of Australia

Administering Institution The University of Western Australia

Project Summary

Sound Footings caters equally for scholars and the general music-loving public through its link with MusicAustralia - the National Library's online resource discovery and delivery service. This project will enable all Australians to share the unique resources of the Eileen Joyce Collection and the Archive of Australian and Asian Music through universal online access. Sound Footings will facilitate research in significant new areas, nourish greater awareness of Australia's musical and cultural heritage, including our musical and cultural relation to the Asian region, and add a valuable dimension to the understanding of multicultural Australia through the music of its immigrant communities.