Summary of Linkage Infrastructure, Equipment and Facilities Proposals

Queensland

Griffith University

LE0775637 Dr D Kielpinski; Dr RT Sang; Prof B Lohmann; Dr A Fuerbach; A/Prof AN Luiten; Prof H Rubinsztein-Dunlop; Dr P Meredith

Approved Project Title **An Australian Attosecond Science Facility**

2007 : $ 450,000

Primary RFCD 2404 OPTICAL PHYSICS

Partner Organisations & Collaborating Organisations

Macquarie University
The University of Western Australia
The University of Queensland

Administering Organisation Griffith University

Project Summary

The laser facility requested here will provide Australian researchers with the ability to take snapshots of physical and biological processes at unprecedented time resolution. Such a facility will enable Australian researchers to remain competitive and continue to contribute significantly to scientific research on an international scale. The facility will provide excellent training for research higher degree students, preparing them for work in high-tech industries based on cutting-edge discoveries in physics and biology.

LE0775768 Prof A Mackay-Sim; Dr CA Wells; A/Prof VM Avery; Prof Z Upton; Dr D Leavesley; Dr SE Bottle; Prof BA Reynolds

Approved Project Title **High-throughput automated cell culture facility**

2007 : $ 400,000

Primary RFCD 3299 OTHER MEDICAL AND HEALTH SCIENCES

Partner Organisations & Collaborating Organisations

Queensland University of Technology
The University of Queensland

Administering Organisation Griffith University

Project Summary

This facility, the first of its kind in Australia, is a state-of-the art, robotic technology for large scale cell culture for high throughput production of cells for stem cell biology, drug discovery, and cancer research. It brings together research teams to apply frontier technologies in stem cell biology, genome biology and drug development to better understand and find treatments for diseases, especially brain disorders and diseases. It will be located at Griffith University complementing the most advanced suite of high throughput instruments currently available internationally. It will be shared by Australia's leaders in adult stem cell biology, wound repair and natural products drug discovery at Queensland's three leading Universities.