

Summary of Linkage Infrastructure, Equipment and Facilities Proposals

Queensland

Queensland University of Technology

LE0775590 Dr J McMurtrie; Prof PC Healy; Dr SE Bottle; Prof Dr RL Frost; Dr DP Arnold; Dr G Smith; A/Prof WA Loughlin; Dr S Poulsen

Approved Project Title **A single crystal X-ray diffractometer with CCD detector for structural analysis of small molecules**

2007 : \$ 200,000

Primary RFCD 2501 PHYSICAL CHEMISTRY (INCL. STRUCTURAL)

Partner Organisations & Collaborating Organisations

Griffith University

Administering Organisation Queensland University of Technology

Project Summary

In recent years there have been major advances in the capacity of instrumentation to determine the crystal and molecular structure of chemical compounds and materials which in turn has resulted in a rapidly growing understanding of the relationship between the structure of molecules and their function in the design of new materials and as drugs for the treatment of disease and pain. This infrastructure also provides training of an international standard for undergraduate and post graduate students, thus building the skills capabilities of Australian scientists in the workforce.