

Summary of Discovery Indigenous Applications for Funding to Commence in 2006

New South Wales

The University of New South Wales

DI0668388 Mr SD Ingrey; A/Prof BA Neilan

Approved Project Title **The genetic basis for bioactivity in the traditional medicine plants of Australia**

2006 : \$34,086

2007 : \$25,086

2008 : \$28,286

Primary RFCD 2703 MICROBIOLOGY

Administering Institution The University of New South Wales

Project Summary

A plant species that produces a bioactive compound usually produce the compound in very small amounts. To allow for marketable levels of production of the bioactive compound, numerous amounts of plants would need to be removed from the environment. This not only removes the limited supply of possibly rare types of plants from the environment but also denies the use of this plant by traditional people. Locating and using the genes responsible for producing these bioactive compounds will allow their sustainable biosynthesis.