

A novel antimicrobial for treating multidrug resistant infections-two projects available

Principal Supervisor: Associate Professor Darren Trott

Email: darren.trott@adelaide.edu.au

Phone: 37989

Co-supervisors: Dr Manouchehr Khazandi, Dr Ryan O'Handley, Dr Jane Owens

Background

Novel antimicrobial agents are required to combat the increasing development of multi-drug resistance in pathogens affecting both human and animal health such as methicillin-resistant *Staphylococcus aureus*. This project offers an unprecedented opportunity to work on a completely new class of antibiotic developed entirely in Australia as part of a multi-disciplinary research team. Two positions are available: the first will develop a mouse infection model to test the efficacy of new generation analogues of the compound against existing classes of drugs and the second will develop new testing methodologies for exploring synergistic action of the new compound with other drugs as well as its ability to inhibit bacterial biofilms.

Funding: ARC Linkage with Neoculi Pty Ltd (\$478,000 over three years). Funding commencing in September 2011.

Other information

An honours stipend of \$6,000 per annum is available for each student or if the successful student/s is/are interested in Veterinary Diagnostics a laboratory internship can be arranged.