



Examples of *Linkage Projects* Round 2 in 2011

South Australia

Linkage Projects totalling \$6,258,261 covering 19 projects

The University of Adelaide (Contact: 08 8303 5665)

Characterisation of a new class of antimicrobial agent for multidrug-resistant infections (LP110200770)

Summary: New drugs are required to combat the development of antibiotic resistance. This project will conduct further tests on a new compound that has shown initial activity against resistant superbugs by understanding how it works against bacteria and varying the chemical structure to improve effectiveness.

Lead Chief Investigator: Dr Darren Trott

ARC funding: \$428,000 over 3 years

University of South Australia (Contact: 08 8302 3471)

The development of flexible, graded plasma surface engineered coatings for superior interfacial performance (LP110200760)

Summary: The next generation of intraocular lenses, medical devices to treat patients with cataracts, will be developed through application of advanced surface engineering technologies. These superior coated lenses will improve biocompatibility and function, leading to additional benefit for the forecasted 2.7 million Australians with cataracts by 2021.

Lead Chief Investigator: Professor Robert Short

ARC funding: \$290,376 over 3 years

The Flinders University of South Australia (Contact: 08 8201 7972)

Forensic platform technologies for roadside and workplace testing based on nanostructured silicon chips (LP110200446)

Summary: Roadside drug testing has recently been incorporated into government legislation throughout Australia and abroad. The objective of this project is to develop advanced analysis technologies for implementing effective roadside and workplace testing. The availability of these technologies will increase the safety of Australian drivers and workers.

Lead Chief Investigator: Professor Nicolas Voelcker

ARC funding: \$245,538 over 3 years

