

**Dr Arran Schlosberg (Genetic Pathology) 2015 RCPA Foundation Mike and Carole Ralston Travelling Fellowship**

Project title: Techniques for imputation and meta-analysis of transcriptomic signatures across microarray and high-throughput-sequencing platforms

“As the recipient of the Mike and Carole Ralston Travelling Fellowship I am currently undertaking research at the University of Cambridge Metabolic Research Laboratories with a focus on the transcriptomics of food-intake regulation in the hypothalamus. My work is in the domain of bioinformatics and our goal is to develop computational models allowing for comparison and prediction of gene expression profiles as measured by disparate platforms. As the greatest contributors to disease burden in Australia, obesity and poor diet are of the utmost concern, and the techniques that I am learning will allow me to return home with the ability to work at the frontiers of precision medicine. This year abroad would not have been possible without the generous support of the RCPA Foundation Awards, for which I am most sincerely indebted.”