

Victoria

Macfarlane Burnet Institute for Medical Research and Public Health

FT0992322 Dr AL Gavin

Approved Project Title **The roles of novel pathways in the activation and regulation of the adaptive immune response in health and disease.**

2009 : \$ 98,600

2010 : \$ 197,200

2011 : \$ 197,200

2012 : \$ 197,200

2013 : \$ 98,600

Primary RFCD 2701 BIOCHEMISTRY AND CELL BIOLOGY

Administering Organisation Macfarlane Burnet Institute for Medical Research and Public Health

Project Summary

The immune system is designed to protect us against infection and vaccines exploit this with great success in preventing many infections. However, the immune system can also 'fail' and attack the body in a process called autoimmunity e.g. destroying joints in rheumatoid arthritis. This proposal will define how white blood cells work to make better vaccines against infection and how these same immune cells can malfunction to create autoimmune diseases like Crohn's disease.