

Victoria

Peter MacCallum Cancer Centre

FT0991446 Dr NJ Waterhouse

Approved Project Title **Understanding the critical processes that control cell death and using this knowledge to kill cells that have evaded death.**

2009 : \$ 98,600

2010 : \$ 197,200

2011 : \$ 197,200

2012 : \$ 197,200

2013 : \$ 98,600

Primary RFCD 2701 BIOCHEMISTRY AND CELL BIOLOGY

Administering Organisation Peter MacCallum Cancer Centre

Project Summary

Cell death is essential for protecting the body against cancer, and defects in cell death pathways contribute to cancer progression. To design new and better cancer therapies we must understand the critical processes which control cell death, and develop effective ways to either reset, or bypass, defects in cell death pathways that contribute to cancer. The program as outlined will elucidate the process of mitochondrial outer membrane permeabilization, a critical event in cell death by apoptosis, and determine how to kill cells in which this event is blocked.