

Victoria

The Walter and Eliza Hall Institute of Medical Research

DP0988616 Dr EF Lee

Approved Project Title **Mechanisms of cell death regulation by the Bcl-2 protein family**

2009 : \$ 78,591

2010 : \$ 78,591

2011 : \$ 78,591

Primary RFCD 2701 BIOCHEMISTRY AND CELL BIOLOGY

APD Dr EF Lee

Administering Organisation The Walter and Eliza Hall Institute of Medical Research

Project Summary

Through the proposed study, the expected outcome is a better understanding of the important process of how the Bcl-2 family of proteins interact with each to control cell death. Furthermore, as dysfunctional apoptosis signalling contributes to diseases such as autoimmune conditions, neurodegenerative disorders and cancer, a detailed and sound understanding of how the cell death machinery operates should enable the design of more effective and importantly, safer therapies against these pathologies.

DP0988643 Dr D Merino

Approved Project Title **Investigating the activator function of the Bim protein**

2009 : \$ 78,591

2010 : \$ 78,591

2011 : \$ 78,591

Primary RFCD 2701 BIOCHEMISTRY AND CELL BIOLOGY

APD Dr D Merino

Administering Organisation The Walter and Eliza Hall Institute of Medical Research

Project Summary

Apoptosis is a research area where Australia has had long standing success. The first observations of this important process were made by Prof John Kerr in the 60's and 70's. A molecular renaissance developed in the late 80's and has led to the current explosion in this area of research. Many of these recent studies have been conducted at the Walter and Eliza Hall Institute. Our scientific endeavour is aimed at broadening the understanding of the mechanisms of cell death using genetically modified mouse models. Insights gained through this project will have far reaching implications for the design of new drugs to combat cancer and degenerative diseases.