

**Western Australia**

**Murdoch University**

**LP0883556** Dr PS Solomon; Prof RP Oliver; Dr RJ Lipscombe

**Approved Project Title** **Proteome mapping of the model fungal plant pathogen Stagonospora nodorum using LC-LC-MS/MS**

**2008 :** \$ 12,813

**2009 :** \$ 25,627

**2010 :** \$ 25,627

**2011 :** \$ 12,813

**Primary RFCD** 2701 BIOCHEMISTRY AND CELL BIOLOGY

APA(I) Award(s): 1

**Collaborating/Partner Organisation(s)**

Proteomics International

**Administering Organisation** Murdoch University

**Project Summary**

Stagonospora nodorum is a fungus that causes leaf and glume blotch disease on wheat. This disease alone causes \$55 million dollars in yield losses per annum in Australia. This project aims to identify the proteins produced by Stagonospora nodorum through the development of a new proteomics technique. Two clear benefits to the community resulting from this project will emerge. The first will be the expert training of a student in proteomics, a skill that is keenly sought. Secondly, the identification of these pathogen proteins will lead to new strategies to better control the disease and secure the supply of wheat.