

Garvan Institute of Medical Research

Leaders in Science & Society



A/Prof Paul Timpson

Lab Head – Invasion and Metastasis
Garvan Institute of Medical Research

“Insights into tumour biology and drug targeting using Intravital biosensors imaging”

Monday 30 April 2018 12PM, AUDITORIUM

Host: Prof Chris Ormandy

Paul completed his PhD with Prof Margaret Frame at the Beatson Institute for Cancer Research, UK in 2002 where he assessed the interplay between Src family kinases and the actin cytoskeleton during cancer cell invasion, focusing on the role of Rho family GTPases. He then moved to the Garvan Institute in 2003 to work with Professor Roger Daly investigating the role of the actin-binding protein cortactin in growth factor receptor trafficking in breast cancer and head and neck cancers.

Paul was awarded an AstraZeneca Postdoctoral Research Fellowship allowing him to work with Professor Kurt Anderson in 2007, in collaboration with AstraZeneca Advanced Technology Laboratories. This ongoing work has focused upon the development of novel multi-disciplinary live imaging techniques to investigate molecular dynamics of cancer cells in vivo.

Returning to Australia to establish a research group in November 2012 within the Cancer Program, Paul has secured an NHMRC Senior research fellowship NHMRC (2018-2022), Australian Research Council (ARC) Future Fellowship and a CINSW fellowship. Paul aims to understand disease in the context of the surrounding environment using cutting edge in vitro and in vivo imaging technology. Pinpointing the molecular drivers of cancer progression and the environmental cues that cause resistance to current systemic therapy in pancreatic cancer are the focus of his research.