



## School of Medical Sciences 2019 Seminar Series

**Who: A/Professor Paul Timpson**

NHMRC Senior Research Fellow and Head of the Invasion and Metastasis Laboratory, Garvan Institute of Medical Research.

Conjoint Associate Professor, St Vincent's Clinical School, Faculty of Medicine, UNSW Australia

**When:** Wednesday 17 April

**Time:** Seminar starts at 4pm, followed by drinks and nibbles at 5pm

**Where:** Kirby Seminar room, level 6, Wallace Wurth Building

### **'Imaging tumour behaviour and drug targeting in live tissue: insights from intravital biosensor imaging'**

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 of Medical Research 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 return to the UK in 2007, to work with Professor Kurt Anderson 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 in 2012 to establish a research group within the Cancer Program at the Garvan Institute, Paul aims to understand pancreatic cancer in the context of the surrounding environment using cutting edge imaging technology. Pinpointing the molecular drivers of cancer progression and the environmental cues that cause resistance to current systemic therapy are the focus of his research.

**More info:** Professor Nigel Turner, Deputy Director of Research, SoMS UNSW Sydney  
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