



Westmead Millennium Institute
for Medical Research

WMI Special Seminar

“Using Mass Cytometry to Profile Immune Signatures for Cancer Immunotherapy”

Dr Helen McGuire

NHMRC Postdoctoral Fellow, T cell Biology Group, Centenary Institute for Cancer Medicine and Cell Biology and the Ramaciotti Facility for Human Systems Biology
University of Sydney

Dr Helen McGuire is a NHMRC postdoctoral fellow, who returned at the start of 2015 from Stanford University, California. At Stanford, she was under the mentorship of Professor Mark Davis (Institute for Immunity Transplantation and Infection), a pioneering lab in the use of single cell proteomics technology known as Cytometry by Time-Of-Flight (CyTOF). Helen has combined the use of CyTOF and MHC tetramer technology to characterize immune responses following vaccination and viral infection in clinical samples. Helen has joined Prof Barbara Fazekas and the Ramaciotti Facility for Human Systems Biology, launching mass cytometry onto the Australian medical research scene. Of particular interest is using the mass cytometry platform to profile immune signatures in cancer and therapeutic intervention.



**Monday 16th
November
12pm - 1pm
WMI, Level 2
Conference Facility**