



MAURICE WILKINS CENTRE
FOR MOLECULAR BIODISCOVERY

Specialised Training & Facilities accessed by MWC investigators

Ms Kirsten Ward Hartstonge, University of Otago

PhD student Kirsten Ward Hartstonge spent 5 days at the QIMR Berghofer Institute in Brisbane, Australia. The purpose of this trip was to use a Perkin-Elmer Vectra microscope (there are none of these in NZ) to image some fluorescently-labelled colorectal cancer tissue samples (FFPE). These had been previously stained using the Opal technique.

With the help of Justin Ross from Perkin-Elmer, they learned how to use the Vectra microscope to view and image both whole slides and areas of interest at higher resolution. Roslyn and Kirsten also learned how to analyse these images to view the immune cell infiltrate in different areas of the tumour sample, which we plan to apply to 2 patient cohorts in the near future. During their time in Brisbane, Roslyn and Kirsten were able to determine how to improve their current protocol using insight from Justin and the senior microscopy analysts at QIMR. This was an essential part of optimising the Opal technique and protocol for future aims.

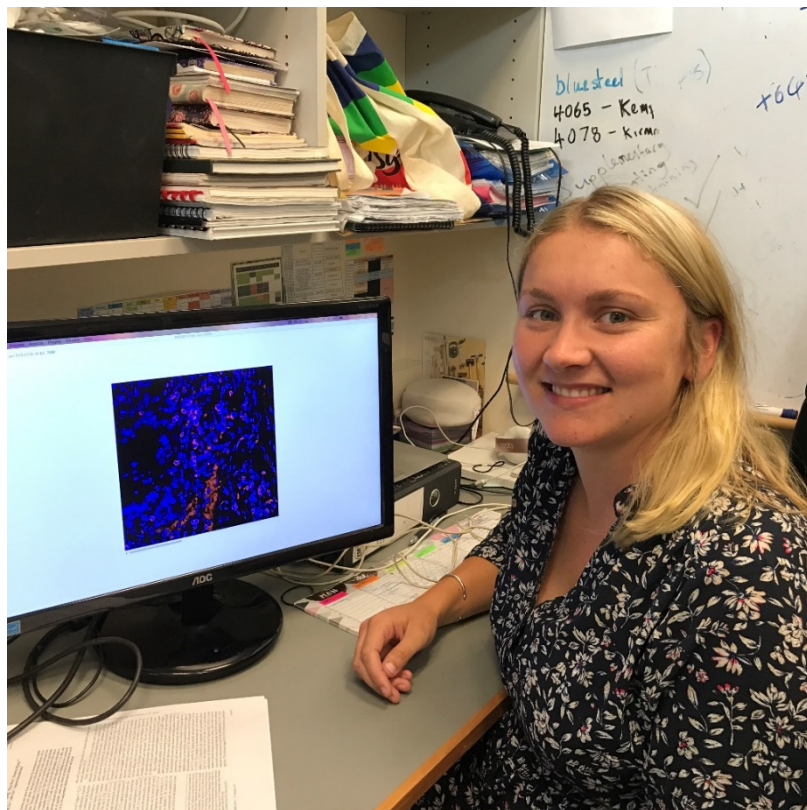


Image: Kirsten Ward Hartstonge