

## Oncology Seminar Series

Dr Nic Waddell

UNSW-USYD



**Tuesday 1st April 2025**



**Seminar: 15:00 – 16:00**

**Networking: 16:00-16:30**

**(A light lunch will be provided)**



**Wallace Wurth LG03, Lower Ground Floor,  
Wallace Wurth (C27), UNSW Sydney**



**Scan the QR code  
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to register.**



## Genomic guided treatment in cancer

Genome sequencing has made significant advances in our understanding of tumour development and progression. Genome data has enabled the classification of tumours into significant subtypes, facilitated the discovery of driver mutations and mutational processes that underlie tumour development and led to the identification of therapeutic targets. These are important steps towards personalised medicine where the diagnosis, management and treatment are based on an individual's clinical and genomic data. This talk will describe some of the key findings from whole genome sequencing of a variety of cancer types. There will be a particular emphasis on the clinical utility of cancer sequencing for the identification of therapeutic targets and germline genetic causal variants. The talk will also share insights into the public opinions of genomic data and developing approaches to work with genomic data in partnership with indigenous communities.

Dr Nic Waddell is the head of the Medical Genomics Team at QIMR Berghofer. Her lab is comprised of collaborative bioinformaticians who are passionate about the field of cancer genomics. They use whole genome, RNA-seq and epigenetic profiling to study cancer genomes with the aim to find new ways to treat cancers. Nic is funded through an L2 NHMRC Investigator grant which commenced in 2023. She has published in high impact journals including in Nature, Science, Cancer Discovery and Cancer Cell with her work cited more than 30,000 times.

