



Westmead Genomics Facility

- ▶ The Westmead Genomics Facility is the central contact point at the Westmead Research Hub for access to specialized Genomics technology, services and expertise. On the technology front, we have next generation sequencing capability through our partners at the Australian Genome Research Facility while our Nanostring nCounter platform allows rapid automated gene expression profiling for panels of up to 800 genes. For detection and quantification of DNA targets, our digital PCR platform offers unparalleled sensitivity and precision with single copy detection possible. We also support single cell genomics projects on the 10x Genomics Chromium platform.

- We offer training on all our equipment as well as end-to-end services, from project
- ▶ design, to sample preparation and data analysis. Get in touch with us, and we look forward to working with you to achieve your research goals.

Contact

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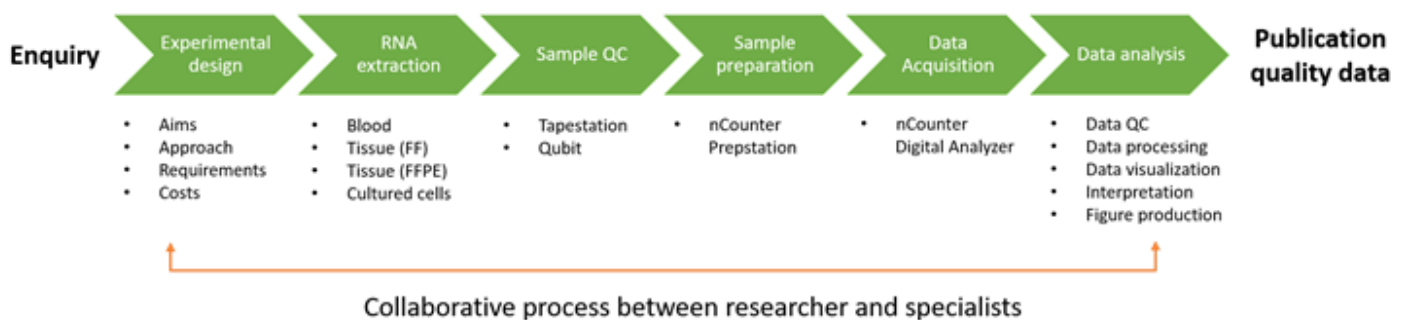
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Nanostring Gene Expression Profiling

- ▶ Nanostring technology allows rapid targeted gene expression profiling of clinical samples and is ideal for oncology, immunology, infectious disease and neuroscience research.
- ▶ Benefits include:
 - Up to 800 gene targets can be simultaneously assayed per sample
 - Fast procedure – data generated within 48 hours
 - Forgiving to poor quality RNA samples such as FFPE samples
 - Custom select your own gene panel or choose one of many off-the-shelf premade panels

Nanostring Service Workflow

- ▶ We offer a fully integrated end-to-end workflow for all Nanostring projects.



Thousands of optical barcodes captured on a Nanostring cartridge; each representing individual mRNA transcripts

- ▶ Westmead Research Hub researchers are eligible to internal pricing rates for all services and consumables provided at the Westmead Core Facilities.