



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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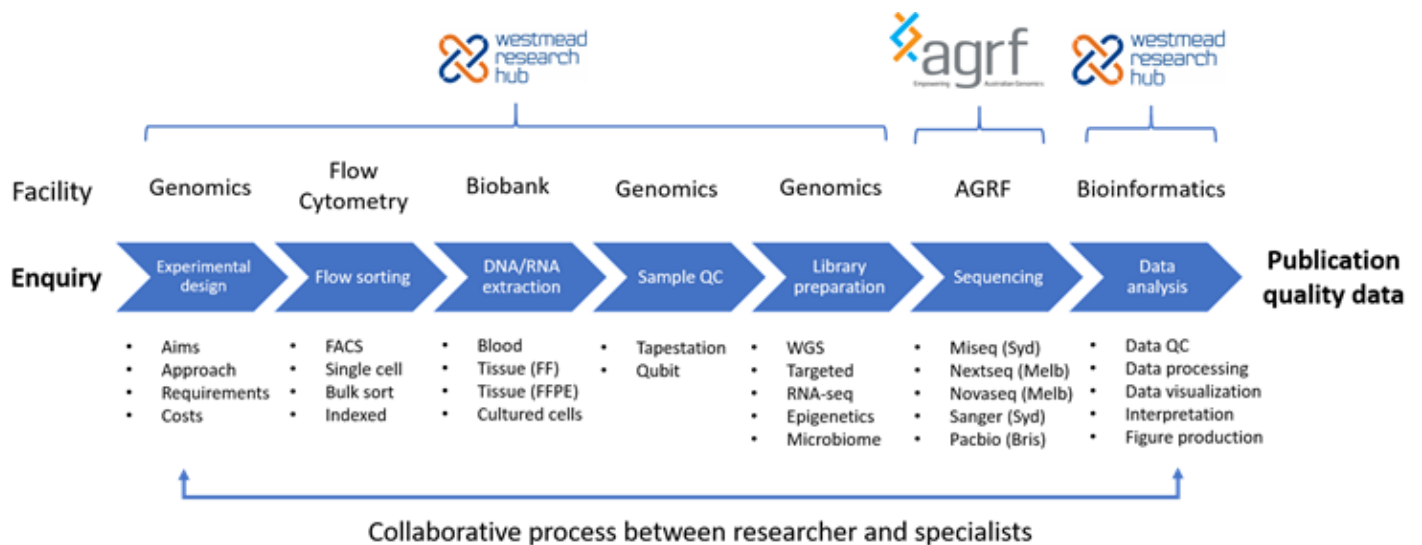
Next Generation Sequencing at the Westmead Genomics Facility

► Our capabilities:

- **Whole genome sequencing** to detect and identify all types of genomic DNA alterations including single nucleotide variants, insertions and deletions, copy number variations and structural variations.
- **Targeted sequencing** of genomic regions of interest such as coding regions (exome sequencing), specific genes or known mutation hot spots.
- **RNA sequencing** to identify unique gene expression signatures associated with diseases or treatment

Next Generation Sequencing Workflow

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



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