



# REDI

RESEARCH ENGAGEMENT | DEVELOPMENT | INNOVATION

## NEXT-GENERATION SEQUENCING FACILITY

Located at Western Sydney University's Hawkesbury Institute for the Environment, the Next-Generation Sequencing Facility offers Illumina's sequencing technology.

### Service

- We are a leading NGS service provider with particular focus on metagenomic applications.
- Comprehensive support throughout the entire next-gen project including initial consulting service.
- Proven excellence in customer service with more than 100 successfully completed NGS projects from leading academic institutions and industry.

### New HiSeq 2500

- The only service provider offering 30% increased lane output up to 80Gb using 2x125bp read length.

We cover a broad range of NGS applications including:

- Genomics: *de novo* sequencing and resequencing including target enrichment.
- Transcriptomics: standard Illumina TruSeq mRNASeq using polyA selection and paired-end strand specific RNA-Seq.
- Epigenomics: multiplex ChiP-Seq with a reduced duplication rate and MBD.

### MiSeq

- The only service provider currently offering up to 384 multiplex samples per run.
- Average data output per run 19Gb (metagenomic 15Gb) with 2x300bp read length.
- Non-biased metagenomic approach using the normalized DNA input.
- Full service for your amplicon projects (bacterial and fungal).

### Advantages of our Service

- Illumina Certified Service Provider (CSPro) with proven customer service excellence.
- Highly reproducible results supported by fully automated standardized NGS procedures.
- Our modified protocols allow for improved library preparation from input materials of poor quality or with limited amounts.

### Our People

- We are a skilled and passionate team dedicated to providing excellent service with an uncompromising approach to quality.



FOR FURTHER INFORMATION ON  
HOW TO ACCESS THE NGS FACILITY  
PLEASE CONTACT:

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