



Introduction to our Facilities



Name of facility:

Pathogen Genomics Unit

Location:

Zayed Centre for Research into Rare Disease in Children

What it does:

Core UCL facility providing NGS service from project design to data analysis including:

- Pathogen WGS directly from clinical samples by targeted enrichment
- General DNA-seq including pathogen WGS from cultured isolates
- RNA-seq for transcriptomics and pathogen discovery
- Development and support of new NGS methodologies
- Support with experimental design and bioinformatics

Services to be implemented (funded by Precision AMR):

- Extraction of pathogen DNA/RNA from various sample types
- Long read sequencing (Oxford Nanopore GridION)
- Development of new bioinformatics tools
- Lab-based personnel and bioinformatician dedicated to Precision AMR seed projects



Introduction to our Facilities



Who its for:	Support for academic research projects and clinicians developing routine tests
How to access facility:	Initial enquiries to Facility Manager
Whom to contact:	Dr Rachel Williams, rachel.williams@ucl.ac.uk
Facility webpage:	https://www.ucl.ac.uk/infection-immunity/pathogen-genomics-unit