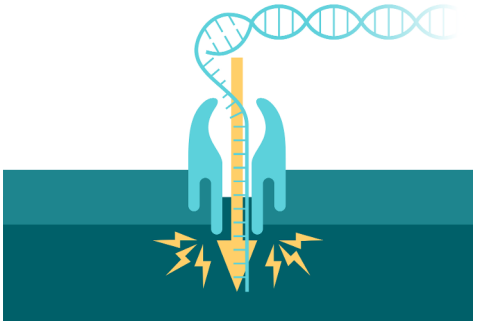
THE UNIVERSITY OF SYDNEY
Sydney Infectious Diseases Institute

CIDM
centre for infectious diseases & microbiology
Public Health

Co-hosted by Sydney ID and CIDM-PH

Developing a novel CRISPR-Cas9-based method for characterisation of bacterial pathogens using Oxford Nanopore sequencing

Join our speaker, Hugh Cottingham, as he discusses how a newly developed CRISPR-Cas9-based enrichment method allows clinical laboratories to selectively sequence almost any target genome directly from a patient sample.



Event details
Tuesday, 6 December 2022
2:00pm - 3:00pm
Case Study 6004 (Kurrajong) Room
Level 5, Block K
Westmead Hospital

Light refreshments will be served

Registration
Click here to register

Hugh Cottingham is a PhD student at Monash University based at the Alfred Hospital, Melbourne. His research focuses on improving bacterial pathogen surveillance and diagnostics in clinical contexts by utilising Oxford Nanopore Sequencing. One focus of his PhD is developing a CRISPR-Cas9-based enrichment system to selectively sequence low abundance species and genes of interest from complex clinical samples.

He is also developing a computational pipeline for analysis of cultured isolates sequenced with Oxford Nanopore to enable efficient characterisation of hospital outbreaks.