



Regional Public Event

Sponsored by ASM Vic Branch and Federation University Australia

Presentation by Dr David Wareham

Queen Mary University of London

“Tackling Antimicrobial Resistance: Bench to Bedside and Back Again”

When: Monday 8th April 2019, 6.30-8.00 pm

Where: Lecture theatre Y016

Y-building, Mount Helen Campus, Federation University Australia, Mount Helen Campus, Ballarat, Victoria 3350

Free Registration: <https://www.trybooking.com/BBNED>



David Wareham qualified (MBBS) from the London Hospital Medical College in 1994 and trained in general medicine before specialist training in Medical Microbiology (FRCPath). He was awarded a Clinical Training Fellowship to study aspects of *Pseudomonas aeruginosa* pathogenicity at Queen Mary University in 2002 and appointed as Senior Clinical Lecturer in Microbiology in July 2005 (PhD). He is an Honorary Consultant Microbiologist at Barts Health NHS Trust responsible for aspects of intensive care microbiology. He heads the Antimicrobial Research Group, which is involved in characterizing the mechanisms underlying the development and persistence of antimicrobial resistance as well as the consequences this may have on the organism and its capacity to cause human disease. This combines genomics, molecular biology, *in-vitro* and *in-vivo* (invertebrates) studies, epidemiological and clinical data in an attempt to dissect the complex relationship between

host, pathogen and resistance. Research is driven by problems encountered in daily clinical practice and in recent years has focused on multi-drug resistant Gram-negative bacteria such as *Acinetobacter baumannii*, *Stenotrophomonas maltophilia* and carbapenem resistant Enterobacteria. Areas of particular interest include the identification of novel resistance determinants, evaluation of novel antimicrobial treatments, pharmacodynamic and pharmacokinetic analysis of new and repurposed combination therapies, virulence studies of emerging pathogens and interventions to prevent the spread of resistant organisms in the hospital environment.