

Infection and pathogenesis

Infection and Pathogenesis research comprises the following areas:

- Cell wall biosynthesis and assembly in Mycobacterium tuberculosis ([Dr Luke Alderwick \(/staff/profiles/biosciences/alderwick-luke.aspx\)](/staff/profiles/biosciences/alderwick-luke.aspx))
- The cell wall of Mycobacterium tuberculosis: A focus for new drug targets and vaccines ([Professor Gurdyal Besra \(/staff/profiles/biosciences/besra-gurdyal.aspx\)](/staff/profiles/biosciences/besra-gurdyal.aspx))
- Lipid Metabolites of mycobacteria : pathways to biosynthesis and role in virulence (Dr Apoorva Bhatt)
- Bacterial physiology and biochemistry ([Professor Jeff Cole \(/staff/profiles/biosciences/cole-jeff.aspx\)](/staff/profiles/biosciences/cole-jeff.aspx))
- Control of toxin production by pathogenic enteric bacteria ([Dr David Grainger \(/staff/profiles/biosciences/grainger-david.aspx\)](/staff/profiles/biosciences/grainger-david.aspx))
- The evolution and molecular basis of host-pathogen interactions ([Dr Robin May \(/staff/profiles/biosciences/may-robin.aspx\)](/staff/profiles/biosciences/may-robin.aspx))
- Bacterial pathogenomics; high-throughput sequencing; bioinformatics; type III secretion (Professor Mark Pallen)
- Molecular biology and functional genomics of bacterial foodborne pathogens ([Professor Charles Penn \(/staff/profiles/biosciences/penn-charles.aspx\)](/staff/profiles/biosciences/penn-charles.aspx))
- Bacterial plasmid replication, stability & transfer; polyketide synthesis ([Professor Chris Thomas \(/staff/profiles/biosciences/thomas-chris.aspx\)](/staff/profiles/biosciences/thomas-chris.aspx))

