

Systems biology of bacteria

Systems biology of bacteria includes research into the following areas:

- Prokaryotic gene regulation ([Professor Steve Busby \(/staff/profiles/biosciences/busby-steve.aspx\)](/staff/profiles/biosciences/busby-steve.aspx))
- Analysis and evolution of gene regulatory networks ([Dr David Grainger \(/staff/profiles/biosciences/grainger-david.aspx\)](/staff/profiles/biosciences/grainger-david.aspx))
- Cooperation and communication of microbes in biofilms, metabolic division of labour, individual-based modelling, systems biology ([Dr Jan-Ulrich Kreft \(/staff/profiles/biosciences/kreft-jan-ulrich.aspx\)](/staff/profiles/biosciences/kreft-jan-ulrich.aspx))
- Bacterial and archaeal stress response, chaperones and in vivo protein folding ([Dr Pete Lund \(/staff/profiles/biosciences/lund-pete.aspx\)](/staff/profiles/biosciences/lund-pete.aspx))
- 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))

