

Gene regulation and genetic processes

Gene regulation and genetic processes research comprises the following areas:

- Prokaryotic gene regulation ([Professor Steve Busby \(/staff/profiles/biosciences/busby-steve.aspx\)](/staff/profiles/biosciences/busby-steve.aspx))
- 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))
- Protein structure, function and kinetics: Use of biophysical techniques to optimise nitroreductase activity for cancer gene therapy and to examine DNA binding proteins ([Dr Eva Hyde \(/staff/profiles/biosciences/hyde-eva.aspx\)](/staff/profiles/biosciences/hyde-eva.aspx))
- Transcription initiation in E. coli and the regulation of the rat connexin32 promoter in hepatocytes ([Dr Steve Minchin \(/staff/profiles/biosciences/minchin-steve.aspx\)](/staff/profiles/biosciences/minchin-steve.aspx))
- Bacterial plasmid replication, stability & transfer; polyketide synthesis ([Professor Chris Thomas \(/staff/profiles/biosciences/thomas-chris.aspx\)](/staff/profiles/biosciences/thomas-chris.aspx))

