

Molecular structures

Molecular Structures research includes the following areas:

- Prokaryotic gene regulation ([Professor Steve Busby \(/staff/profiles/biosciences/busby-steve.aspx\)](/staff/profiles/biosciences/busby-steve.aspx))
- How do protein fibres form? ([Dr Tim Dafforn \(/staff/profiles/biosciences/dafforn-tim.aspx\)](/staff/profiles/biosciences/dafforn-tim.aspx))
- X-ray crystallography of bacterial cell wall synthesis and of the regulation of the eukaryotic actin cytoskeleton ([Dr Klaus Fütterer \(/staff/profiles/biosciences/fuetterer-klaus.aspx\)](/staff/profiles/biosciences/fuetterer-klaus.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))
- Enzyme mechanisms, infrared spectroscopy, antibiotic resistance, DNA repair (Professor Chris Wharton)
- Structural Biology of Proteins, Enzymes and Macromolecular Complexes ([Dr Scott White \(/staff/profiles/biosciences/white-scott.aspx\)](/staff/profiles/biosciences/white-scott.aspx))
- Understanding Cellular Organisation at the Atomic Level ([Dr Peter Winn \(/staff/profiles/biosciences/winn-peter.aspx\)](/staff/profiles/biosciences/winn-peter.aspx))

