

Physical and Theoretical Chemistry

This unit contains researchers engaged in the following fields: Atmospheric chemistry; bio-nanotechnology; chemical reaction dynamics; clusters and nanoparticles; computational and theoretical chemistry; electrochemistry; gas-phase molecular chemistry; magnetic resonance imaging; photoelectron and ultraviolet spectroscopy; simulation and modelling; surface and interfacial chemistry; X-ray spectroscopy.

Research group leaders

- [Dr Melanie Britton](/staff/profiles/chemistry/britton-melanie.aspx) (</staff/profiles/chemistry/britton-melanie.aspx>)
- [Dr Dwaipayan Chakrabarti](/staff/profiles/chemistry/chakrabarti-dwaipayan.aspx) (</staff/profiles/chemistry/chakrabarti-dwaipayan.aspx>)
- [Dr Sarah Horswell](/staff/profiles/chemistry/horswell-sarah.aspx) (</staff/profiles/chemistry/horswell-sarah.aspx>)
- [Professor Roy Johnston](/staff/profiles/chemistry/johnston-roy.aspx) (</staff/profiles/chemistry/johnston-roy.aspx>)
- [Dr Paramaconi Rodriguez](/staff/profiles/chemistry/rodriguez-paramaconi.aspx) (</staff/profiles/chemistry/rodriguez-paramaconi.aspx>)
- [Professor Richard P Tuckett](/staff/profiles/chemistry/tuckett-richard.aspx) (</staff/profiles/chemistry/tuckett-richard.aspx>)
- [Professor Graham Worth](/staff/profiles/chemistry/worth-graham.aspx) (</staff/profiles/chemistry/worth-graham.aspx>)

Research associated with this unit also includes that undertaken by colleagues in other Schools, including [Peter Winn](/staff/profiles/biosciences/winn-peter.aspx) (</staff/profiles/biosciences/winn-peter.aspx>), [Chris Mayhew](/staff/profiles/physics/mayhew-christopher.aspx) (</staff/profiles/physics/mayhew-christopher.aspx>), [Ulrich Günther](/staff/profiles/cancer/gunther-ulrich.aspx) (</staff/profiles/cancer/gunther-ulrich.aspx>).