

Vet School Labs

- Cell isolation and culture
- Microbiology
- Nucleic acid isolation, real-time qPCR
- Multiple-colour fluorescence immunohistology
- Histopathology and diagnostic laboratories
- State-of-the-art experimental surgery and imaging (3T MRI)

University Main Campus Facilities

Wolfson Bio-Imaging Centre

- Confocal and two photon
- M and correlative light and EM
- Super-resolution
- TIRF

Proteomics

- LCMS - Orbitrap Fusion Trbrid Mass Spec
- MALDI-MS - Bruker Daltonics UltrafleXtreme 2 (including MALDI-imaging)

Metabolomics

- MS equipment as above
- NMR – ¹H, ¹³C, ³¹P, ¹¹B, ¹⁹F; 300-700MHz

BrisSynBio – The Bristol BioDesign Institute

- Enzyme cascades and cell factories
- Engineering and modelling across scales
- Genome editing in higher organisms
- Programming complexity in natural systems
- Self-assembled systems and minimal cells

Advanced Computing Research Centre

- BlueCrystal Phase 3: 223 nodes
- BlueCrystal Phase 4: 525 nodes
- Rmax 518 Tflops – BC4 world-ranking 398

