

Laboratory Facilities



Equipment in the Biomedical Research laboratory

Contact: Dave Corry (david.corry@uwe.ac.uk ext. 83397)

- Full cell culture facilities
- Accuri C6 flow cytometer
- Nikon Eclipse 80i upright epifluorescence microscope & imaging system with NIS-Elements software
- Perceptive Instruments Comet Assay IV single cell electrophoresis assay quantification software
- Perkin Elmer Ultraview FRET H spinning disk confocal microscope.
- Alpha Innotech FluorChem Q gel documentation system.
- Nikon TE300 inverted epifluorescence microscope with DataCell Coolsnap-pro digital imaging system and Image Pro-Plus software
- Improvion Volocity image analysis workstation (Volocity visualisation, quantification and Restoration modules).
- BMG Optima Fluostar fluorescence and absorbance plate reader
- Nanodrop DNA spectrophotometer
- BioRobotics ArrayWorx microarray scanner

- Molecular Devices GenePix 4100A microarray scanner
- Agilent 2100 Bioanalyser
- Applied Biosystems StepOne Plus, real time PCR.
- Quiagen Rotorgene Q real-time PCR cyclers and High Resolution Melt (HRM) analyser.
- Applied Biosystems Real time PCR 7500 and 7000 with primer design software. Gene pulser II System.
- CHEF-DR II pulsed-field electrophoresis system.
- GE Healthcare Ettan IPGphor 2
- GE Healthcare DeCyder Software
- Bio-Rad Protean IEF Cell
- GE Healthcare Ettan Dalt Six SDS PAGE apparatus
- Typhoon 9400 Image Scanner
- Beckman Optima L-XP Ultracentrifuge with Gradient Station

Equipment in the Sensor Science research laboratory.

Contact: Dave Corry (david.corry@uwe.ac.uk ext 83397)

- Fujifilm Dimatix materials deposition printer
- Quesant Scanning probe microscope iProbe model i350 atomic force microscope()
- BioDot Microdoser
- DEK 248 semi-automatic screen printer with vision capability (DEK, Weymouth, UK) (x2)
- Perkin Elmer Clarus 500 GCMS with Turbomatrix 350 thermal desorber
- Perkin Elmer 600 GCMS with Turbomatrix 40 trap headspace sampler

- Perkin Elmer Clarus 580 gas chromatograph
- Autolab N series & MicroAutolab III potentiostat
- UV curing facility

Equipment in the Nuclear Science and DNA laboratories

Contact: Alison Halliday (alison2.halliday@uwe.ac.uk ext 82499)

- Genetic Analyser 3130xl with Genemapper ID software and Sequence Analysis software
- U:Genius with analysis software Gene Tools.
- Gamma spectrometers: solid state photon detector, Gem series & Hyperpure germanium low energy photon detector.
- Alpha detector.
- MicroBeta TriLux liquid scintillation & luminescence counter.
- 1414 WinSpectral Liquid scintillation counter.
- Wallac Compugamma gamma counter.
- Plant Growth cabinet facilities.
- Pylon Model AB-5 portable radiation monitor.
- Air sampler.
- Sodium iodide detectors.
- TomTec Cell harvester.
- Scaler Timers (Various).
- Scaler Ratemeter SR-7 and SR-8.
- Multichannel Analyser Series 20.
- Contamination monitors and dose meters.
- Gene pulser II System.
- CHEF-DR II system.

Equipment in Microbiology research (category 2 bio-containment)

Contact: Dave Corry (david.corry@uwe.ac.uk ext 83397)

- Full cell culture facilities (Category 2 bio-containment)
- Whitley MG500 anaerobic workstation with TG airlock module
- Tecan Infinite F200 pro fluorescence/absorbance/luminescence plate reader
- SIFT-MS (Selected Ion Flow Tube mass spectroscopy)
- BMG Optima Fluostar fluorescence and absorbance plate reader
- BMG Optima Lumistar luminescence plate reader
- Bruker Biospin e-scan EPR (electron paramagnetic resonance) detector
- Breath analysers: Interscan Halimeter (x2) Abilit OralChroma (X2)
- Andor Technology iXon+ EMCCD low light digital camera

Equipment in HPLC (High-performance liquid chromatography) Research Laboratory

Contact: Dave Corry (david.corry@uwe.ac.uk ext 83397)

- Waters Acquity UPLC
- Aglient Technologies 1290 infinity UPLC
- Thermo Scientific Ultimate 3000 UHPLC