

EQUIPMENT LIST

BIOANALYTICAL

- > Synapt G2-Si plus Acquity M Class UPLC
- > Xevo G2-XS plus Acquity H Class Bio UPLC
- > Xevo TQ-S micro plus Acquity H Class Bio UPLC
- > Xevo TQ-GC plus Agilent 7890B plus 7693 Autosampler
- > Acquity H Class Bio UPLC plus diode array detector, fraction collector
- > Acquity H Class Bio UPLC plus diode array and fluorescence detectors
- > Agilent 7890B GC plus 7693 Autosampler and FID detector
- > Progenesis QI and Progenesis QiP metabolomic and proteomic software packages

EQUIPMENT LIST

BIOANALYTICAL

> MiSeq FXg	• Verogen
> Western blot transfer system	• Biorad
> Chemi-Doc	• Biorad
> Real time PCR	• Biorad
> Flow cytometer	• BDScience
> UV/VIS spectrophotometers	• ThermoFisher Scientific and Camspec
> Ultracentrifuge – Optima XPN	• Beckman Coulter
> Nanodrop	• Labtech
> Qubit	• ThermoFisher Scientific
> Anaerobic cabinet	• tbc
> Robotics for proteomics and NGS	• tbc



EQUIPMENT LIST

BIOLOGICAL IMAGING

- | | |
|----------------------------------|--------------------------------|
| > Confocal – FLIM, FRAP, FRET | • Leica Falcon SP8 |
| > Confocal Raman Spectroscopy | • Renishaw inVia Qontor |
| > MALDI imaging | • Waters – Synapt G2- Si HDMS |
| > DESI imaging | • Waters – Xevo G2-XS |
| > FTIR/NIR with integrated Raman | • ThermoFisher Scientific iS50 |
| > Terrestrial Laser Scanner | • Faro |
| > Digital Radiography | • Konica Minolta |
| > Cryostat | • tbc |



EQUIPMENT LIST

BIOPROCESSING

Use of biotechnology upstream and downstream equipment for industry, teaching and research which includes process development, process improvement and product characterization.



EQUIPMENT LIST

BIOPROCESSING

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| > 8 x 5L Bioreactors – Microbial/mammalian | • Applikon |
| > 1 x 15L SIP Bioreactor | • Applikon |
| > 2 x FPLC - AKTA-Pure | • GE Healthcare |
| > Incubators – CO2 shaker | • Eppendorf |
| > Incubators – shaker/non shaker | • ThermoFisher scientific |
| > Clean Steam generator | • Certuss UK |
| > Chillers | • Julabo |

