Flow Cytometry TTP

Providing equipment and expertise support in flow cytometry analysis, cell sorting and mass cytometry to cancer researchers at UCL.

Our Instrument

- BD Fortessa X20s and Symphony

- Agilent Quanteon analyzer

- BD Fusion and Aria III sorters

- CyTOF XT Mass cytometer

- Miltenyi GentleMACS Dissociator

- FlowJo and CytoBank software

- Laminar 96 well Plate washer

High Content Cytometry

BD Symphony:

5 lasers and 30 parameters system, high speed at 10,000 events per second

CyTOF XT Mass Cytometer:

40+ parameters, and capable of run 100+ samples in one acquisition with barcoding
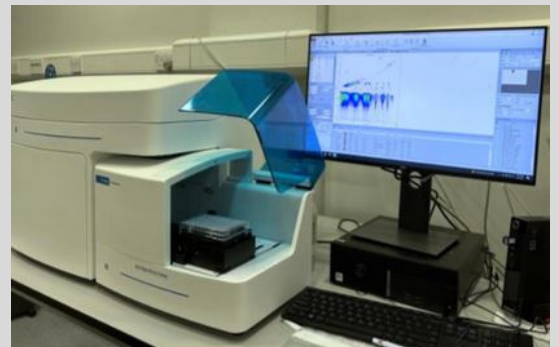
High Throughput Cytometry

Laminar 96 well plate washer:

'Gentle wash' Technology, prepare your samples with the Laminar plate, no more centrifuge and acquire samples directly on Quanteon analyser

Agilent Quanteon:

4 lasers with 18+ parameters for tube rack, 96well, or 384 well plate at high speed with easy setup. With 7 log detection and optimised voltages, no more missing events or wrong compensation setup. Capable of detecting 100nm small particles

Our training program

General instrument hands-on induction at regular basis.
Termly seminars and workshops

Software available

- BD FACSDiva (for data acquisition on BD analysers and sorters)
- NovoExpress (For data acquisition and analyser for Agilent Quanteon
- FlowJo (For data analysis and presentation)
- Cytobank (For high-content data analysis)
- R pipelines (For high-content data analysis)

User support

- Experimental design
- Experiment and instrument setup
- Data analysis Software
- Troubleshooting
- High-dimensional data analysis

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