

FLOWCORE-MHTP

FlowCore-MHTP provides flow cytometry services to researchers within MHTP and the wider scientific community. Flow cytometry is a highspeed laser based technology enabling users to generate multiparametric data about cell characteristics or particles of interest. It is a powerful tool in many fields including immunology, stem cell science, cancer research, aquatic biology and plant biology.

KEY INSTRUMENTATION

Cell sorter

- BD FACS ARIA Fusion (in biohazard containment hood) – 5 Laser 18 Fluorescence Detection Channels

Analysers

- Cytex Aurora (1) – 5 Laser 64 Fluorescence Detection Channels
- Cytex Aurora (2) – 5 Laser 64 Fluorescence Detection Channels
- BD Fortessa X-20 – 5 Laser 18 Fluorescence Detection Channels

EXPERTISE

Our platform is run by two dedicated full-time staff with more than 25 years of combined experience in flow cytometry. Services provided by our team include the operation of the sorters, provision of training and assistance for the analysers and consultation for researchers requiring support with experimental flow cytometry panel design.

WORKING WITH US

- Fee for service
- Training and Education
- Data Analysis packages and workstations

SPECIALIST SERVICES

Cell sorting

Cell sorting or separation is set up and supervised by a dedicated staff member. As a result, researchers can be confident in the pure populations of cells that are isolated for them, which can be used in subsequent in vitro or in vivo assays and genomic studies. High-level sorting biocontainment is available.

Flow cytometric analysis

Users are trained to run their samples on the analysis cytometers and are able to generate large amounts of data in a short time. The cytometers can be fitted with a high throughput sampler allowing researchers to analyse samples in 96-well plates, further speeding up the analysis process.

Data analysis

Our platform holds the site licence for FlowJo (BD), a specialised flow cytometry data analysis software. Additionally, we have access to other Data Analysis programs such as FlowLogic, FCS Express and SpectroFlow. This provides researchers with access to high-end software with which to dissect their acquired data.

Training

We provide training to researchers on the analysis cytometers on a regular basis. We additionally schedule educational seminars and user group meetings which allow researchers from different fields who are using flow cytometry, to come together and learn about new developments.

FLOWCORE-MHTP

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