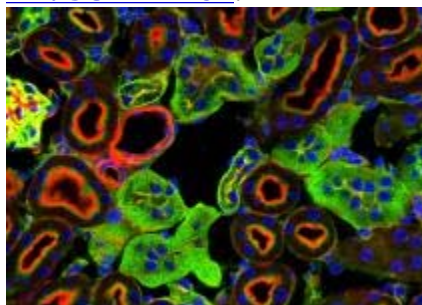


Flow Cytometry at TMDT and PGCRL (Sickkids-UHN Facility)

At Toronto Medical Discovery Tower ([TMDT](#)) 2nd Floor, Rm 2-203/2-504 and the Peter Gilgan Centre for Research and Learning (PGCRL), 18th Floor, Rm 18-9430. Led by Dr. Cynthia Guidos and [Dr. John Dick](#).



Service Department(s): Research Communications

Services

- Access to state-of-the-art analytical cytometers and high speed cell sorters
- Expert technical staff on site to operate and maintain the cytometers, assist researchers in protocol selection, development and training
- Cell sorting is performed by the SickKids-UHN FCF operators

Available Equipment

- Analytical Cytometers
 - Two BD FACSCanto II analytical cytometers (3-lasers: B, R, V, 8-colours)
 - BD LSRII analytical cytometer (4 lasers: B, R, V, UV, 14-colours)
 - BD LSRII analytical cytometer (4 lasers: B, R, V, UV, 16-colours)
 - BD LSRII analytical cytometer (4 lasers: B, G, R, V, 15-colours)
 - BD LSRII analytical cytometer (4 lasers: B, G, R, V, 18-colours)
 - BD LSRFortessa analytical cytometers (5 lasers: B, Y, R, V, UV, 14-colours)
 - DVS Sciences CyTOF 2 Mass Cytometer
- Cell sorters with a Bio-safety Cabinet
 - Beckman Coulter MoFlo XDP high-speed cell sorter (4 lasers: B, R, V, UV, 14-colours 4-way sorting)
 - Beckman Coulter MoFlo Astrios high-speed cell sorter (4 lasers: B, Y, R, V, 14-colours, 6-way sorting)
 - Two BD FACSAria II high-speed cell sorters (3 lasers: B, R, V, 11-colours, 4-way sorting)
 - BD FACSAria III high-speed cell sorter (4 lasers: B, R, Y, V, 17-colours, 4-way sorting)
 - BD InFlux high-speed cell sorter (3 lasers: B, R, V, 8-colours, 4-way sorting)
- Cell sorters without a Bio-safety Cabinet
 - Beckman Coulter MoFlo high-speed cell sorter (3 lasers: B, Y/G/R, V, 9-colours, 4-way sorting)
 - BD FACSAria II high-speed cell sorter (3 lasers: B, R, UV, 11-colours, 4-way sorting)
- Magnetic Cell Separator
 - Miltenyi Biotec AutoMACS Pro magnetic cell separator

Using the Facility

- Open to Investigators at UHN, SickKids, U of T, external academic and non-academic investigators
- Please see website for specific instrument locations
- First-come, first-serve priority system, with booking required

Training

To use any of the analytical cytometers or automated magnetic cell separators users must receive training from FCF staff.

Sample Preparation

- Cell labelling must be performed in the investigator's own laboratory before processing
- Users must agree to follow established SOPs and FCF policies and procedures.

Usage Arrangements

- Fee for service
- For updated fees please visit: www.sickkids.ca/research/FCF

Quick Links

- [Webpage for the SickKids-UHN Flow Cytometry Facility](#)

Contacts

SickKids-UHN Flow Cytometry Facility

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