

## **Biomedicum flow cytometry core facility**

The Biomedicum flow cytometry core facility (BFC) will be a comprehensive resource, equipped with instruments providing researchers with the capability of performing a wide range of flow cytometry experiments. The facility will start functioning from the middle of May, 2018 (detailed dates will be provided in April). Here is some practical information regarding the facility:

- 1) **Location:** Biomedicum, Quarter 3C (entrance level)
- 2) **Instruments:** The facility will have the following instruments available for researcher for both assisted and unassisted analysis and cell sorting experiments. Prices for services and instrument usage will be made available soon.

<i>Analysis</i>		
<b>Instrument</b>	<b>Laser specification</b>	<b>Feasible parameters</b>
1) BD LSRII SORP	4 lasers: 405, 488, 532, 640nm	18 colors + FSC, SSC
2) BD FACS Verse	3 lasers: 405, 488, 640 nm	8 colors + FSC, SSC
3) FACS Calibur	2 lasers: 488 & 633nm	4 colors + FSC, SSC
4) CyAn ADP	3 lasers: 405, 488, 635nm	9 colors + FSC, SSC
5) FACSCanto II	3 lasers: 405, 488, 633nm	8 colors + FSC, SSC
<i>Cell Sorting</i>		
6) BD FACSAria Fusion	4 lasers: 405, 488, 561, 640nm	16 colors + FSC, SSC
7) BD FACSJazz	3 lasers: 488, 561, 640nm	6 colors + FSC, SSC
8) FACSAria III	4 lasers: 405, 488, 561, 633nm	11 colors + FSC, SSC

### 3) **Personnel:**

Facility director: Saikiran K. Sedimbi  
Senior researcher: Maria Johansson  
Biomedical scientist: Belinda Pannagel

### 4) **Important dates:**

**Closing down dates:** MTC FACS Facility will remain open until **April 17<sup>th</sup>**.

**Potential opening date:** The facility will start functioning from **May 8** with the first set of instruments (above table, instruments 1-4 & 6-7). This is due to the time it takes to move the instruments, re-install and have them fully functional.

**Fully functional:** On **May 22**, we plan to complete the move and have all the instruments up and running.

- 5) **Booking:** The facility will use an online booking system to book analysis instruments. For assisted cell sorting, we still require the users to send us an email to book a date.  
**Current users at MTC & CMB facilities:** If you are a registered user at the MTC or the CMB FACS core facility, you don't need to do anything.  
**Existing users will receive an email in the beginning of April with detailed instructions on how to register and start using the online booking system.**

**New users:** Please send us an email after May 7 to register for user training and access to the facility.

We are doing our best to make the transition to Biomedicum smooth and fast. This involves preparing all the instruments for the move and re-installation and testing each instrument to make sure they are fully functional. Due to the extra workload, assisted cell sorting services may be limited during April and May. We thank you for your patience and understanding.