



NEWSLETTER

The Flow Cytometry and Confocal Microscopy Core Facility

News:

Prices: For your convenience we have within the past two years **lowered the fees for all of our equipment** considerably ☺. All with the intention of welcoming new users and allowing “old” users to do more experiments. From January and February 1st 2018 the fees for all of our equipment (flow cytometers, confocals, IVIS) will change and **in general become cheaper**. In order to make a fair and uniform contribution to the service and maintenance of the different equipment, fees will be **uniform** with a price of **kr. 100 per hour of usage – regardless of equipment** - for IMM user or associates. This is more than a 50% reduction in the fees for using the flow cytometers. If we notice that the budget does not last, we reserve the rights for adjustment but not without further notification.

Optics on the **ARIA III** flow cytometer: In the late autumn this was slightly changed for the 405 and 561 laser. All in order **to accommodate the new range of fluorophores for the 405 laser**. Presently, they are exactly as recommended by BD. Details can be found at the machine.

Flow cytometry and Isotype controls: we can now provide you with the following **Isotype controls:** Mouse IgG1, kappa, FITC + PE + APC (just ask us).

Laser Capture Microdissection (LCM*) is now available. We have had the good fortune as to achieve 2 Laser Capture Microdissection Microscopes. One Olympus MMI Cellcut plus and one Arcturus/Olympus PixCell L1e.

The **Olympus MMI Cellcut plus**, which will be upgraded on the software and have a maintenance service, is up and running within a few days. The Arcturus/Olympus PixCell L1e stands as received. If there is no or only little demand for its usage, it will be stored away. We deeply appreciate for **Trevor Owens and Henrik Ditzel** hereby providing us with these instruments.

***LCM** is typically used to isolate ROIs (regions of interest) from tissue or single cells for further cloning, re-cultivation, manipulation or downstream analysis.

Courses: In October we hosted a successful **PhD course in Flow Cytometry and Cell Sorting**. We repeat the course in March this year. When announced at the Ph.D school, you will find more information here:
http://www.sdu.dk/en/forskning/phd/phd_skoler/phdskolensundhedsvidenskab/phd_students/phd_courses/kursusoversigt

We are fully aware that the **reservation software** is not as easy to use as an Outlook calendar. To our knowledge and the knowledge of the IT-service department, the Outlook can not **integrate accounting**, as this software can. This makes the administration so much easier for us. If you are aware of an alternative software, by all means let us know.

General info:

The Flow Cytometry and Confocal Microscopy Core Facility includes:

For Flow Cytometry:

LSR II Flow Cytometer
Becton Dickinson FACS Aria III Cell Sorter

For Imaging:

Olympus FV1000MPE Confocal Microscope
Zeiss LSM 710 Confocal Microscope
Olympus MMI CellCut, LCM
Arcturus/Olympus PixCell, LCM
IVIS Spectrum *in vivo* Image Analyzer

Our equipment have many features. Please see our homepage for further information:

http://www.sdu.dk/en/om_sdu/institutter_centre/imm_molekylaer_medicin/welcome

- or Google: "[sdu core flow](#)"

Services and access:

Which ever way you choose to access our equipment, we will provide you with our highly qualified personal.

- Autonomous analysis. Here you'll receive the proper training and assistance by our technical staff.
- Assisted analysis. We will help you get started with the set-up, acquisition and data-analysing.
- Outsourced analysis, where we perform the acquisitions of data for you.
- Scientific collaboration.

Booking/reservation:

- Once you have received the proper training you will be able to make a reservation of the equipment.
- For reservation of the equipment, go to: www.dambic.sundvision.dk. **Remember** phone# and groupinfo.
- Booking of **FACS Aria III**: contact Lars or Ulla.

Fees:

- The Core Facility operates as a non-profit unit. The fees are to cover maintenance expenses only. It is available for all users inside and outside the University of Southern Denmark.
- **As of January 1st 2018:** Fees for the Flow Cytometers and IVIS: Kr. 100 per hour of usage. External users Kr. 200 per hour of usage. Details for the preparation- and cleaning- fee/time of the ARIA III sorter can be found at the homepage.
- **As of February 1st 2018:** Fees for the Microscopes: : Kr. 100 per hour of usage. External users Kr. 200 per hour of usage.

Contact lvitved@health.sdu.dk for **first time** usage or questions in general regarding the Flow Analyzer and the Cell Sorter.

Contact uhansen@health.sdu.dk for **first time** usage or questions in general regarding the Microscopes and the IVIS.

Responsible VIP's for management of the Facility are Professor Søren Moestrup smoestrup@health.sdu.dk and Associated Professor Søren Hansen shansen@health.sdu.dk at the Department of Cancer and Inflammation, IMM.