



The image shows an atherosclerotic plaque situated in the lower thoracic aorta of a hyperlipidemic Ccn2 knockout mouse.

Blue: DAPI (nuclei)
Green: BODIPY 493/503 (lipids)
Red: Alexa Fluor 555 (Lgals3, macrophage marker)
Purple: Alexa Fluor 647 (Acta2, smooth muscle cell marker)

Image credit to
Lasse Bach Steffensen, MSc, PhD, CIMA
JB Winsløws Vej 21 3rd floor

The Flow Cytometry and Confocal Microscopy Core Facility Newsletter

NEWS:

We are very pleased to announce that Professor **Trevor Owens**, Department of Neurobiology Research, will be the new head of the Core Facility. Welcome Trevor, we look forward to a close and prosperous cooperation.

With great appreciation to IMM, Uffe Holmskov, our Olympus FV1000MPE will undergo a larger upgrade this month.

We've ordered service, a new PC and software update. Your **old data** will be saved elsewhere, please contact Ulla.

A slight **increase in our fees:**

The Core Facility operates as a non-profit unit and the fees are to cover maintenance expenses only.

To continue to meet your expectations and due to the fact that our equity has reached an absolute minimum, it has become necessary to revise our fees.

As of January 1st, 2020:

- Fees for the Flow Cytometers, Microscopes and IVIS: DKr. **250** per hour of usage.
External users DKr. **500** per hour of usage.
Details for the preparation- and cleaning- fee/time of the ARIA III sorter can be found at our homepage.
- Our equipment is available for all users inside and outside the University of Southern Denmark.

Please **be aware of:**

There will be a delay regarding your account statements. Regrettably **billing** dated from October 2019 and forth are delayed up till 6-9 months.

Our PhD course in “**Flow Cytometry and Cell Sorting**” took place in October 2019.

We repeat the course in March 2020 (3rd - 6th) as announced by the PhD school:

https://www.sdu.dk/en/forskning/phd/phd_skoler/phdskolensundhedsvidenskab/phd_students/phd_courses/courses/iami_flow

In November 2019 we hosted a seminar given by Torben Helledie, Miltenyi Biotec. Topic: “**Light sheet microscopy for generation of 3D images using the Ultramicroscope II**”. The seminar was well attended – thanks to all for contributing to a lively discussion.

Flow Cytometers and Microscopes:

If your desired equipment is either occupied or otherwise unavailable, please contact Lars or Ulla for the usage of some of our other equipment. We are happy to assist and help in every way we can.

To accommodate the demands, we’ve updated the filter-compositions on ARIA III.

This gives you several more options for multicolor analyzing, even more so than the LSR.

ARIA III is a very good analyzer and can be used all-round, not only for sorting.

Please remember to **transfer** your data from our PC’s.

As our equipment often undergo services and upgrades, we recommend you to do so immediately after use.

New and easier login procedure for LSR II.

It is no longer necessary to log in with your SDU username. After computer startup, you will now automatically have access to the FACS server as well as the internal color printer.

Assistance:

Please do not hesitate to call/contact us regarding any questions you might have.

The outcome of your analyses depends very much so on both your sample preparation and the handling of the equipment.

General info:

The Flow Cytometry and Confocal Microscopy Core Facility includes:

For Flow Cytometry:

Becton Dickinson LSR II Flow Cytometer

Becton Dickinson Aria III Cell Sorter

For Imaging:

Olympus FV1000MPE confocal

Olympus MMI Cell Cut, LCM

IVIS Spectrum *in vivo* Image Analyzer

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

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

- or Google: “[sdu core flow](#)”

Services and access:

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

- Autonomous analysis. Here you will 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-analyzing.
- 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: dambic.sundvision.dk. **Remember** phone# and groupinfo.
- Booking of **FACS Aria III**: contact Lars or Ulla.

Contact lvitved@health.sdu.dk for **first time** usage or questions in general regarding the Flow Cytometers.

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:

Professor Trevor Owens towens@health.sdu.dk Department of Neurobiology Research, IMM.

Associate Professor Søren Hansen shansen@health.sdu.dk Department of Cancer and Inflammation, IMM.

Associate Professor Maria Bloksgaard mbloksgaard@health.sdu.dk Department of Cardiovascular and Renal Research, IMM.