

MIC Newsletter
07-08/2017

Faculty of Medicine
VetSuisse Faculty
Faculty of Science

Microscopy Imaging Center

Bern, 4 September 2017

MIC Research Day

The MIC Research Day took place in the afternoon of June 28, 2017, at the Vetsuisse Faculty, University of Bern. The fully booked event was divided into two presentation sessions, split by a coffee break and followed by an apéro. The MIC Research Day is designed to provide a platform for interconnection of scientists of the University of Bern and the University of Fribourg applying microscopy in their life science research. In this line, colleagues from Bern and Fribourg presented their scientific results acquired by taking advantage of microscopy techniques. The coffee break and the apéro provided the perfect setting for discussion in a relaxed atmosphere. Overall, the event received very positive feedback. The next year MIC Research Day will take place on July 4, 2018.

MIC Summer School

On June 28, 2017, all 19 PhD students of the PhD program Cutting Edge Microscopy (CEM) attended the Kick-Off meeting jointly organized by the MIC and the CEM administration at the Schloss Bümpliz. After briefly introducing all the participants, several advanced students presented their research projects in form of 15-minute talks. An interactive atmosphere and intensive discussions characterized the Kick-Off meeting. The MIC Research Day and a One-Day workshop on image processing complemented the MIC Summer School.

V Core Management Workshop: “Training the trainers”, Barcelona, Spain

The [V Core management workshop](#) took place on July 6th and 7th 2017 at the Center for Genomic Regulation in Barcelona, Spain. More than 50 participants representing core facilities, companies and scientific community from all over Europe discussed the problems of the training for and by the staff of the core facilities. **Yury Belyaev from MIC UniBE** attended this meeting. The particular focus of the meeting was on the subject of ‘Train the trainer’. All speakers stressed the strategic importance of developing a pool of people able to train users in the competence area of a core facility and its role in training on all educational levels. Participants also discussed the importance of the continuing education of the facility staff by attending conferences, courses, seminars, company workshops to ensure access to the information on innovative technologies. Speakers additionally presented a number of e-learning resources such as [Science Lab from Leica](#) addressing microscopy education, and the training portal of [Goblet](#) covering training in Bioinformatics. The meeting also provided a unique platform for networking and information exchange.

Nacht der Forschung

On **September 16, 2017**, the MIC participates in the [Nacht der Forschung](#). The MIC organizes a series of presentations and an exhibition of microscopic images and of historic microscopes. Further, visitors will have the opportunity to inspect different specimens through a standard light microscope. The portfolio of activities is complemented by the opportunity to construct a simple microscope using a glass bead, a holder and the own smart phone camera.



We urgently need:

1. **Presentations in German or French** that last about 5 minutes and express
 - o the fascination of “Kleine Wunderwelt ganz gross” = Microscopy
 - o the usefulness and necessity of microscopy for life science research and/or medicine
 - o Please use the doodle [here](http://unibe.doodle.com/poll/c9i36it28n8vhmba)
(<http://unibe.doodle.com/poll/c9i36it28n8vhmba>)
2. **Help at our various stations from German speaking colleagues.** The stations are
 - o Exhibition of poster gallery and historic microscopes
 - o Coordination of presentations (same room as exhibition)
 - o Assemble a small microscope with the mobile phone camera
 - o Inspect medical and biological specimen through the microscope
 - o Please use the doodle [here](http://unibe.doodle.com/poll/vg5h4rby4vufyytd)
(<http://unibe.doodle.com/poll/vg5h4rby4vufyytd>)

Presentations, Trainings, Workshops, Demonstrations – upcoming events organized by the MIC

September 6, 2017

Training: Basics of wide field microscopy. More information see [MIC homepage](#),

September 13, 2017

Training: Basics of deconvolution microscopy. More information see [MIC homepage](#).

September 19, 2017

Training: Basics of confocal microscopy. More information see [MIC homepage](#).

October 11, 2017

Training: Interactive image classification, segmentation and analysis with ilastik. More information see [MIC homepage](#).

November/December, 2017

Demonstration: LSM800, a confocal microscope from Zeiss, with Airyscan ([link to Zeiss product Webpage](#)) at the Theodor Kocher Institute, Freiestrasse 1, 3012 Bern. Please contact Ruth Lyck ([e-mail](#)) for further information.

Trainings, Workshops, Demonstrations - recommended external events

Until October 31, 2017

1st Olympus Image of the Year Award, a competition for life science microscopy. More information [here](#).

November 6-9, 2017, Berlin, Germany

15th European Short Course on “Principles and Applications of Time-resolved Fluorescence Spectroscopy”. More information [here](#).

November 21-23, 2017, Zürich

Course Digital Pathology. More information about the course and the free software that will be taught [here](#).

MIC Retreat and next MIC Commission meeting

The **MIC Retreat** will be at Schloss Bümpliz starting at 12:00 on September 5, 2017.

The next **MIC Commission meeting** will be on Thursday December 14, 2017, at 1:15 pm.

Location: Institute of Anatomy, Seminar room, Bühlstrasse 26, 3012 Bern. This is an internal meeting of the MIC Commission members taking place 4x per year. Meeting dates are listed [here](#).

Past MIC newsletters

[01/2017](#); [02/2017](#); [03-04/2017](#); [05-06/2017](#).

