

Day of Microscopy, ZEISS, Oberkochen, Germany

For the first time, this year's traditional Zeiss Day of Microscopy took place at the Zeiss Headquarters in Oberkochen, Germany, on May 16 - 17, 2018. Zeiss presented the latest products in the fast developing field of light and electron microscopy to more than 75 participants representing the industrial and scientific community of Europe. Yury Belyaev from MIC, along with several colleagues from microscopy facilities in Basel, took part at this meeting.

The program of the first day comprised several keynote lectures from leading people in academia and industry. Jan Ellenberg from EMBL Heidelberg highlighted the importance of correlating the different imaging technologies and full data integration, while Ralf Schmidt from Bosch described main workflows in industrial analytics highlighting the importance of machine learning for big data mining. The second day was dedicated to workshops on available commercial solutions from Zeiss in the European demo centre along with factory visits. The social accompanying program and a round table about upcoming trends and challenges in microscopy ensured networking and exchange of ideas.

18th European Light Microscopy Initiative Meeting, Dublin, Ireland

The 18th International European Light Microscopy Initiative Meeting (<http://www.elmi2018.eu>) took place on June 5 - 8, 2018 in Dublin, Ireland. More than 400 participants from Europe and the whole world discussed recent advances in light and electron microscopy applied to life sciences. During the first day in Core Facility Satellite Meeting, the representatives of the light microscopy facilities from Europe shared their experience in such topics as image analysis in imaging facility, quality control and sample preparation, data flow and centralized storage, teaching and courses. During the following days, panel sessions dealt with the latest results in super-resolution microscopy, correlative microscopy, light sheet and in vivo imaging, single molecule imaging and image analysis. Additionally to the extensive scientific program, more than 50 leading companies active in the field of microscopy instrumentation introduced cutting-edge technical developments in very informative workshops and booth presentations. Yury Belyaev represented the MIC with the poster 'Non-linear microscopy reveals the three-dimensional architecture of native porcine biomembranes' describing a work performed at Vetsuisse together with Michael Stoffel, Thimo Maurer and Jasmin Balmer.

New Member of the MIC Commission

Sigve Haug, head of the Science IT Support unit of the University of Bern (www.scits.unibe.ch), Mathematical Institute, Faculty of Science, was elected as a new member of the MIC commission at the last MIC commission meeting on May 17, 2018. Sigve will contribute with his expert knowledge on science IT to the MIC. The future Biolmaging and Big Data specialist of the MIC will be affiliated with ScITS.

Call for communication of events and presentations

The MIC aims to improve collaborations between researchers of the University of Bern. Please announce lectures of team members of guests to the [MIC coordinator](#) for publication on the MIC homepage and the MIC newsletter!



Open positions

The Theodor Kocher Institute of the University of Bern is offering two positions for researchers with a strong background in microscopy:

- [Post-doctoral position Imaging the CNS Immune Privilege](#)
- [Research Group Leader Position "Intravital Microscopy"](#)

Presentations, Trainings, Workshops, Demonstrations – upcoming events at the University of Bern

September 18, 2018

Training: Basics of confocal microscopy. More information [here](#).

October 23 – 25, 2018

Training: Introduction to Correlative Light and Electron Microscopy (CLEM). More information [here](#).

November 30, 2018

MIC Symposium. This year's topic is "From Organoids to Organisms – Multiscale imaging". The speakers of the MIC Symposium are listed on the MIC homepage [here](#).

Trainings, Workshops, Demonstrations – further events in Switzerland or abroad

September 3 – 14, 2018, Zürich, Switzerland

12th Zurich Summer School on Biomedical Imaging. The school is dedicated to teaching the basics alongside a wide context of biomedical usage and application that is vital in understanding recent advances and current challenges in biological and medical imaging. More information see www.excite.ethz.ch.

September 12 - 14, 2018, Berlin-Adlershof, Germany

24. International Workshop on "Single Molecule Spectroscopy and Super-resolution Microscopy in the Life Sciences". Details and more information see www.single-molecules.org.

September 24 – 26, 2018, Ulm, Germany

15th Confocal Raman Imaging Symposium. Speakers from universities and industry will talk about several aspects of modern Raman imaging. In addition, poster sessions and equipment demonstration will give a detailed introduction to the operational principles and instrumental configurations relevant to confocal Raman microscopy. More information [here](#).

October 16 – 19, 2018, Edinburgh, UK

NEUBIAS, the Network of European BioImage Analysts (www.neubias.org), offers a training school on BioImage Analysis for Early Career Investigators in life sciences. More information [here](#).

November 5 - 7, 2018, Heidelberg, Germany

"Labeling & Nanoscopy 2018" aims at bringing together experts in fluorescence and labeling chemistry with those designing and applying new concepts of far-field optical nanoscopy. This meeting will take place in the German Cancer Research Center in Heidelberg. More information can be found [here](#).

Next MIC Commission meeting

The next **MIC Commission meeting** will be held on **Thursday, August 23 at 1:15 pm**.

Location: Institute of Anatomy, Seminar room, Bühlstrasse 26, 3012 Bern. This is a quarterly meeting of the MIC Commission members. Meeting dates are listed [here](#).

Previous MIC newsletters are available to you for download [here](#).

