

## Faculty

We were able to invite leading experts in respective fields that will share their knowledge and experience with the course participants



**Karin Aumayr - IMP, Vienna**

Karin will cover basics of image analysis during the pre-course. She will help during the whole course and hands-on sessions.



**Jerzy Dobrucki - Jagiellonian University**

Jerzy will give a talk about the physics of fluorophores bleaching and biology of the phototoxicity.



**Christopher Esk – IMBA, Vienna**

Christopher will run the hands-on session on FRAP.



**Katrin Heinze- University of Würzburg**

Katrin will introduce us to the world of superresolution microscopy.



**Rene Ladurner – IMP, Vienna**

Rene will run the hands-on session on FRAP.



**Ekaterina Papusheva – IST, Klosterneuburg**

Ekaterina will run the hands-on session on FRET.



**Pawel Pasierbek - IMBA, Vienna**

Pawel will introduce the basics of light and lenses during the pre-course and run the hands-on session on 2-Photon microscopy.



**Jan Peychl – MPI Dresden**

Jan will give a talk on confocal microscopy, 2-Photon, TIRF and introduce the concept of PSF. He will also run the hands-on session on FRET.



**Jens Rietdorf – Zeiss, München**

Jens will be present at all the workshops, sharing his knowledge and experience as well as discussing the possible pitfalls of your future projects. He will run the hands-on session on spectral unmixing.



**Arne Seitz – EPFL, Lausanne**

Arne will give talks and run practical on advanced image analysis techniques. He will run hands-on session on colocalisation.



**Michael Sommerauer – AHF, Tübingen**

Michael will introduce us the world of fluorescent filters, and explain how they work.



**Peter Steinlein - IMP, Vienna**

Peter will talk about fluorophores and antibodies, how they work, how to produce them...



**Gabriele Stengl - IMP, Vienna**

Gaby will run the hands-on session on TIRF.



**Andrew Straw - IMP, Vienna**

Andrew will give a talk on optics of the animal kingdom.



**Stefan Trejung – EMBL, Heidelberg**

Stefan will talk about live cell imaging, FRAP and run the hands-on session on colocalisation.



**Axel Wiegand – Andor, Belfast NI**

Axel will present a talk about how the different detectors used in microscopy work – CCD, EMCCD, sCMOS, PMT...



**Timo Zimmermann - Advanced Light Microscopy Unit, Barcelona**

Timo will give a presentation and run the hands-on session on spectral unmixing.



**Gerard Whoriskey – CoolLed, Andover**

Gerry will talk about engineering and physics of different excitation sources used in fluorescent microscopy.



**Hans van Voort – SVI, Hilversum**

Hans will give a talk and run the hands-on session on deconvolution.