

Bioimaging Day

Tuesday, June 2, 2015

LMU Biocenter

Lecture hall B01.027

Grosshaderner Str. 2, Martinsried



10:00 Introduction to modern light microscopy
Joel Ryan, LMU Biology, Leonhardt lab

11:00 Fluorophores – interface to the molecular world
Martin Spitaler, MPI Biochemistry

12:00 Lunch get-together

13:00 Multi-photon microscopy
Steffen Dietzel, LMU, Walter Brendel Center

13:30 Light-sheet and spinning-disk microscopy
Hartmann Harz, LMU, CALM

14:00 Fluctuation spectroscopy (FCS, ICS, RICS)
Don Lamb, LMU Chemistry

14:40 Single particle tracking
Don Lamb, LMU Chemistry

15:00 Coffee break

15:30 STED
Robert Kasper, MPI Neurobiology

16:00 PALM/STORM
Marc Bramkamp, LMU Microbiology

16:30 3D SIM
Yolanda Markaki, LMU, CALM

Bioimaging Day aims to provide an overview of the state-of-the-art light microscopic techniques available today on the Life Science Campus.

Junior researchers have the opportunity to inform and orient themselves in the challenging arena of light microscopy, and to meet operators and expert users from on-campus facilities.

There is also opportunity to sign-up for small scale hands-on workshops.

Contributing institutions:

Bioimaging Network Munich (BIN)

Center for Advanced Light Microscopy (CALM)

LMU Faculty of Biology: Department of Microbiology,

Department of Human Biology and Bioimaging

LMU Faculty of Chemistry: Physical Chemistry I

LMU Faculty of Medicine, Walter Brendel Center

Max Planck Institute of Biochemistry

Max Planck Institute of LMU

Nanosystems Initiative Munich (nim)



Organizers:



Download material available at
www.sfb1064.med.uni-muenchen.de/irtg/bioimaging

