

JOIN THE FIRST MUNICH STED COURSE

December 6–9, 2016

Core Facility Bioimaging, BioMedical Center, Ludwig-Maximilians-Universität München,
Großhaderner Str. 9, 82152 Planegg-Martinsried, Germany

We are pleased to announce a STED course co-organized by the Core Facility Bioimaging of the Biomedical Center at the Ludwig-Maximilians-Universität Munich and Leica Microsystems. The event is dedicated to the use of STED superresolution microscopy for fixed and living, thin and thick samples, deconvolution and analysis of results.

If you are interested in joining our workshop, please register via www.bioimaging.bmc.med.uni-muenchen.de/learn/courses/sted2016/index.html.

Registration is 400 € and places are limited. So don't delay and register today!

Speakers and teachers

- > Dr. Steffen Dietzel, Head of the Core Facility Bioimaging
- > Dr. Jana Döhner, Center for Microscopy and Image Analysis, University of Zurich
- > Dr. Nathalie Garin, EMEA Teamleader Application Manager, Leica Microsystems GmbH
- > Ulf Schwarz, Application Manager, Leica Microsystems GmbH
- > Dr. Hans van der Voort, Research and Development Manager, Scientific Volume Imaging, Netherlands
- > Dr. Katrin Willig, Research Group Leader Max Planck Institute Göttingen
- > Dr. Patrick Zessin, EMEA Application Manager, Leica Microsystems GmbH

Photo kindly provided by: T. Schwarzbauer

Agenda see next page

AGENDA

Day 1: December 6, 2016

13:00	Welcome (<i>Steffen Dietzel / Nathalie Garin</i>)
13:15	STED principle (<i>Patrick Zessin</i>)
13:45	Fixed sample preparation for STED (<i>Jana Dohner</i>)
14:15	Open discussion: How do you fix, which fluorophores do you use? (<i>Chair: Jana Dohner / Nathalie Garin</i>)
14:45	Coffee break
15:15	Live cell imaging with STED (<i>Ulf Schwarz</i>)
15:45	Move to the systems
16:00	Hands-on 0: How to use the software
17:15	Short presentation of the participants, Part 1 (5 min / person, 12 of 18)
19:00	End of day 1

Day 2: December 7, 2016

09:00	Comparison of DNA labels for STED microscopy (<i>Steffen Dietzel</i>)
09:30	Deconvolution: Concepts and applications (<i>Hans van der Voort</i>)
10:15	Coffee break
10:45	The most elaborate is not always the best: 5 colors with up to 140 nm resolution with confocal deconvolution / HyVolution (<i>Patrick Zessin</i>)
11:15	Application examples (<i>Nathalie Garin</i>)
11:45	How to check your systems performance (<i>Ulf Schwarz</i>)
12:15	Lunch
13:15	Short presentation of the participants, Part 2 (5 min / person, 6 of 18)
14:45	Hands-on 1
16:45	Coffee break
17:15	Hands-on 2
19:15	End of day 2

Day 3: December 8, 2016

09:00	Hands-on 3
11:00	Coffee break
11:30	Hands-on 4
13:30	Lunch
14:30	STED microscopy of the living mouse brain (<i>Katrin Willig</i>)
15:30	Coffee break
16:00	Hands-on 5
18:00	End of day 3
19:00	Visit of the Tollwood Festival

Day 4: December 9, 2016

09:00	Hands-on 6
11:15	Feedback and goodbye
12:00	End of course, lunch