

## Leica Microscopy Workshop

The Leica Workshop comprises THUNDER Imagers used in wide-field microscopy and the LIGHTNING detection concept which extends the SP8 FALCON confocal microscope. The workshop includes an introduction with discussion and hands-on sessions.

Participants are encouraged to bring their own samples. Please contact us in advance about the prerequisites.



**September 24<sup>th</sup> – 26<sup>th</sup> 2019**

Life Imaging Center (LIC), Center for Biological Systems Analysis (ZBSA),  
Albert-Ludwigs University,  
Habsburgerstr. 49, 79104 Freiburg im Breisgau

**Organization:** Microscopy and Image Analysis Platform (MIAP), University of Freiburg

**Teachers:** Dr. Jens Peter Gabriel (Leica Microsystems - FALCON Lightning specialist)  
Dr. Jan Schumacher (Leica Microsystems - THUNDER Imager specialist)  
Dr. Lars Kammermeier (Leica Microsystems - FALCON Lightning specialist)  
Frank Löffler (Leica Microsystems - THUNDER Imager specialist)

### Day 1: September 24<sup>th</sup>, 10:00 – 16:15

10:00 – 10:15	<b>Welcome &amp; Workshop Introduction with Coffee and Tea</b>
10:15 – 11:45	<b>Introductory talks:</b> <ul style="list-style-type: none"><li>• <b>The contrast is clear: Fluorescence Lifetime Imaging with Leica TCS SP8 FALCON</b></li><li>• <b>Leica LAS X LIGHTNING: Fast Multicolor Super-Resolution</b></li><li>• <b>Leica THUNDER Imager – decode 3D Biology in real time</b></li></ul> <i>Jens Peter Gabriel &amp; Jan Schumacher (Leica Microsystems)</i>
11:45 – 13:00	<b>LUNCH BREAK</b>
13:00 – 14:30	<b>Hands-on / Practical Sessions on THUNDER, FALCON Lightning</b>
14:45 – 16:15	<b>Hands-on / Practical Sessions on THUNDER, FALCON Lightning</b>

### Day 2: September 25<sup>th</sup>, 9:00 – 16:15

09:00 – 10:30	<b>Hands-on / Practical Sessions on THUNDER, FALCON Lightning</b>
10:45 – 12:15	<b>Hands-on / Practical Sessions on THUNDER, FALCON Lightning</b>
13:00 – 14:30	<b>Hands-on / Practical Sessions on THUNDER, FALCON Lightning</b>
14:45 – 16:15	<b>Hands-on / Practical Sessions on THUNDER, FALCON Lightning</b>

**Day 3: October 26<sup>th</sup>, 9:00 – 16:15**

09:00 – 10:30 Hands-on / Practical Sessions on THUNDER, FALCON Lightning

10:45 – 12:15 Hands-on / Practical Sessions on THUNDER, FALCON Lightning

13:00 – 14:30 Hands-on / Practical Sessions on THUNDER, FALCON Lightning

14:45 – 16:15 Hands-on / Practical Sessions on THUNDER, FALCON Lightning

- You can bring your own samples to the Hands on Sessions if you want to
- The hands-on sessions are for confocal and wide-field in parallel, if you wish to attend to both please book two different slots.
- For more information, please contact the MIAP team: <https://miap.eu> [info@miap.eu](mailto:info@miap.eu)

