

Join our Workshop featuring the Leica TCS SP8 DIVE and the new Leica TCS SP8 FALCON

February 6th – 9th, 2018
BIOTEC Dresden

Discover new products...

- > SP8 DIVE spectrally tunable multiphoton
- > SP8 FALCON (FAst Lifetime CONtrast) FLIM solution

Program

February 6th, 2018

- > 09:00 - 09:15 Welcome
- > 09:15 - 10:30 Introductory presentations
- > 10:45 - 18:45 Hands-on sessions

February 7th, 2018

- > 09:00 - 12:30 Hands-on sessions

February 8th, 2018

- > 13:15 - 18:45 Hands-on sessions

February 9th, 2018

- > 13:15 - 13:45 End of workshop discussion



SP8 FALCON

Be one of the first to see our new microscopy systems at the BIOTEC Centrum, Tatzberg 47- 49, 01307 Dresden.

Leica DIVE – FALCON Workshop – 06.02. - 09.02.2018, hosted by LMF CMCB

Leica Microsystems in collaboration with the Light Microscopy Facility of CMCB invites you to join a Workshop featuring the **Leica TCS SP8 DIVE** system with the spectrally tunable 4 Tune detector and the new Leica SP8 FALCON (FAst Lifetime COntrast) FLIM solution.

February 6th, 2018

CRTD, small auditorium right

- > 09:00 – 09:15 Welcome
- > 09:15 – 10:00 “Introduction to Leica FALCON FLIM” Heike Glauner
- > 10:00 – 10:45 “The world’s first tunable deep imaging solution”
Karl-Heinz Koertje
- > 11:00 – 12:30 Hands-on sessions (BIOTEC, room 225)
- > 12:30 – 13:15 Lunch break
- > 13:15 – 18:45 Hands-on sessions

Hands-on sessions

- > 09:00 – 12:30 on February 7th, 2018
- > 13:15 – 18:45 on February 8th, 2018

February 9th, 2018

- > 13:15 – 13:45 Wrap up and discussion (SR2, BIOTEC)

- ➔ Be one of the first to see and test our new Leica TSC SP8 DIVE!
- ➔ **Register** via contacting CMCB LMF:

Isabel Raabe, email: isabel.raabe@tu-dresden.de

Leica TCS SP8 DIVE – FALCON - Workshop System

Configuration

- **Microscope stand:** DM6 CFS flex upright
- **Stage:** Scientifica MMBP: Low-level fixed stage, motorised moveable base plate
- **Objective lenses:**
 - Obj. HC PL APO 10x/0.40 CS2
 - Obj. HC PL APO 20x/0.75 IMM CORR CS2
 - Obj. HC PL APO 63x/1.30 GLYC CORR CS2

 - Obj. HC PL IRAPO 40x/1.10 W CORR: working distance 0.65 mm
 - Obj. HC IRAPO L 25x/1.00 W motCORR: working distance 2.6 mm
 - Obj. HCX APO L20x/0.95 IMM: working distance 1.95 mm, use with BABB cleared samples
 - HC FLUOTAR L 25x/1.00 IMM motCORR VISIR: working distance 6 mm, optimized for CLARITY treated specimen
- **Tandem scanner:** 8 kHz resonant and non-resonant scanner
- **Detectors:**
 - 1 brightfield detector DM and CFS, DIC possible
 - 2 internal Photomultiplier detector
 - 1 internal Hybrid GaAsP-Detektor for gated imaging
 - Spectrally tunable NDD 4 Tune detector
 - 2 RLD Photomultiplier detector
 - 2 RLD Hybriddetektor
 - **FALCON – Fast Lifetime Contrast Module**, fully integrated and high speed FLIM solution
- **Excitation:** (SP8 LIAchroics beamsplitter)
 - Laser single photon excitation: 405 nm, 488 nm, 552 nm, 638 nm
 - 2P laser: Insight X3 Dual **680 1300 nm tunable, 1045 nm fixed**