

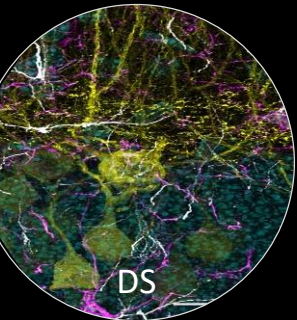
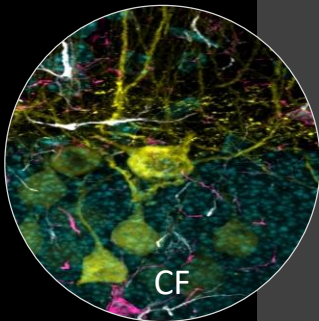
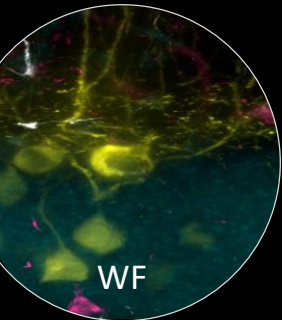


# Nikon and CrestOptics Workshop

Fast and easy live-cell super-resolution based on spinning disk confocal



Spinning disk confocal is the most suitable microscopy technique when it comes to 3D imaging of fast processes in living cells and/or 3D imaging over long periods of time. Nikon's leading platform, the **Eclipse Ti2** inverted microscope, already offers high throughput and high speed automation for advanced imaging. The **X-Light V3** is the next generation of spinning disk. It relies on the cutting-edge technology, advanced optical design and engineering solutions developed by CrestOptics to meet the very high-end specifications required by modern fluorescence microscopy applications. Super-resolution, down to 100 nm, is now achievable by simply using the **DeepSIM** Super-resolution module based on a multi-spot structured illumination system.



*WF, CF spinning disk and DeepSIM SR acquisitions of conventionally prepared mouse brain tissue section showing neurons with dendritic spines (yellow), microglia (magenta), astrocytes (white) and DNA (cyan).*

**Date:** November 30th and December 1st      **Place:** BIOCEV, IMCF  
Průmyslová 595, 252 50 Vestec

**Agenda: Wednesday November 30th**

09.30 – 10.15 : Introduction of the Crest X-Light V3 Spinning Disk Confocal System with DeepSIM Super-resolution module (Red lecture room U1.037)

Coffee break

10.30 – 12.00 : Hands on session 1 (room L1.026)

Lunch

13.00 – 14.30 : Hands on session 2 (room L1.026)

14.45 – 16.15 : Hands on session 3 (room L1.026)

**Thursday December 1st**

09.30 – 11.00 : Hands on session 4 (room L1.026)

11.15 – 12.45 : Hands on session 5 (room L1.026)



**We will be fully available throughout the workshop:**

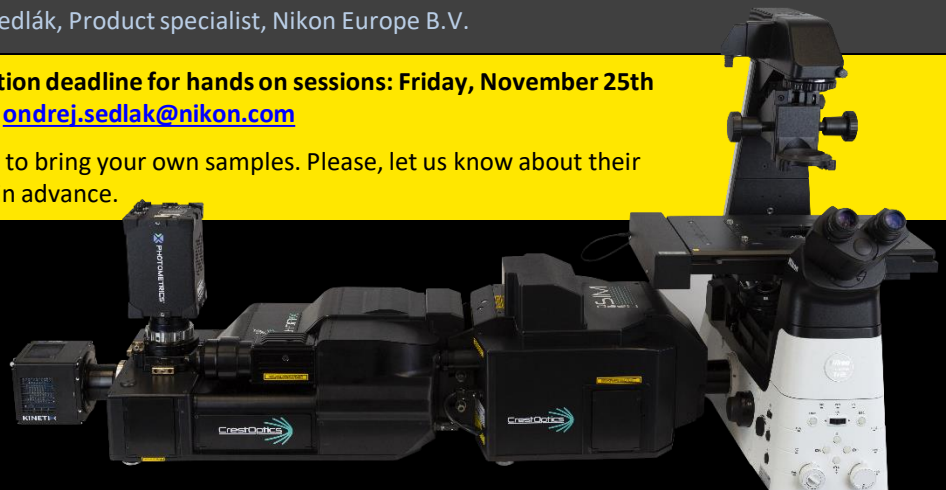
Luca Clario, Application specialist, CrestOptics S.p.A.

Ondřej Sedlák, Product specialist, Nikon Europe B.V.

**Registration deadline for hands on sessions: Friday, November 25th**

**Contact:** [ondrej.sedlak@nikon.com](mailto:ondrej.sedlak@nikon.com)

Feel free to bring your own samples. Please, let us know about their staining in advance.



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