

We invite you to workshop:

Holographic-Tomographic Label Free Microscopy Workshop from Nanolive

(NANOLIVE and HTPS s.r.o. presents a Holo-tomographic Microscope to look instantly inside living cells in 3D without staining)

organized by

Institute of Physiology of the CAS

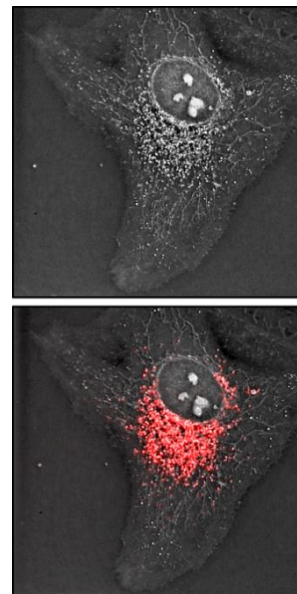
and in the Framework of the **Czech-BioImaging project**

presented by:

Luca Clario - Nanolive

Date: October 9 and 11-12, 2018

Location: Institute of Physiology of the Czech Academy of Sciences
Václavská 1083, Praha 4, 142 20, CZ
Building DAI, ground floor
Department of Biomatematics, Meeting room



Program:

October 9, 2018

9:00 – 9:30 Registration
9:30 – 9:40 Welcome, introduction and set up (Michaela Pluskalová, HPST, s.r.o.)
9:30 – 10:00 **Principles of tomographic microscopy (Luca Clario, NANOLIVE)**
10:30 – 11:00 Practical demonstration

13:00 – 16:00 **HANDS ON session** (upon reservation, bring your own samples)

October 11-12, 2018

Free HANDS-ON slots (upon reservation)

For registration please contact (deadline October 8, 2018): pavla.choteborska@fgu.cas.cz

No registration fee

NANOLIVE TECHNOLOGY

- three-dimensional high spatial-temporal resolution imaging
- (x, y:200nm; z:400nm; t:1.7sec) of transparent unlabeled specimens
- labeling not required – post processing digital staining for 3D reconstruction
- incubated controlled environment for long term time-lapse experiments possible when using on stage incubator
- 3 Fluorescence channels to combine tomographic data with fluorescence markers (available on workshop)

RECOMMENDED SAMPLE PREPARATION:

- cells grown on glass-bottom petri dish (3.5 mm) or fixed on glass coverslips
- use a water-based medium (e.g. PBS, culture medium etc.) - no dry samples
- tissue sections (5-10 microns), remove the OCT or paraffin before mounting the slide

For more information write to Michaela Pluskalová, HPST, s.r.o.
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