



We invite you to workshop:

Holographic-Tomographic Label Free Microscopy For Life Cell Imaging Workshop

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

organized by **HPST, s.r.o. and Faculty of Science**

Date: **Introductory Lecture:** December 10, 2018
Hands On Session: December 10-12, 2018 (registration necessary, email: dgg@hpst.cz)

Location: University of South Bohemia, Faculty of Science
Branišovská 1760, 370 05 České Budějovice

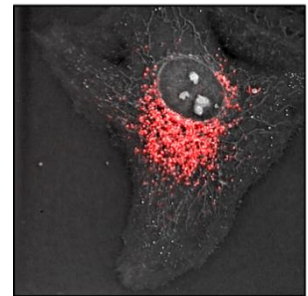
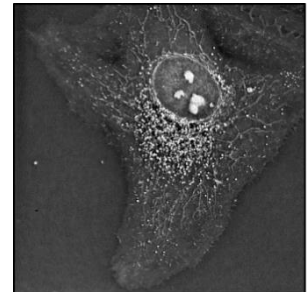
Program:

December 10, 2018

13:00 – 13:30 **Unveil the deepest secrets of your cells with holographic microscopy (lecture hall C3 - in building C)**
14:00 – 15:30 **Practical demonstration (lab 01 012 - in building C)**

December 11-12, 2018

9:00 – 14:00 **HANDS ON session** (upon reservation on dgg@hpst.cz, bring your own samples) **(lab 01 012 - in building C)**



NANOLIVE TECHNOLOGY

- three-dimensional high spatial-temporal resolution imaging (x, y:200nm; z:400nm; t:1.7sec)
- labeling not required – transparent unlabeled specimens with post processing digital staining for 3D reconstruction
- incubated controlled environment for long term time-lapse experiments (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: michaela.pluskalova@hpst.cz