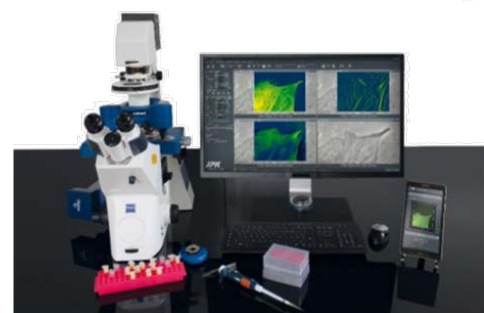


# Spring Workshop on BioAFM Microscopy

6<sup>th</sup> – 8<sup>th</sup> April 2020



We cordially invite you to participate in Spring Workshop on AFM Microscopy to be held in Brno in Czech Republic.

The goal of this event is to bring together not only AFM researchers from bio field, but also other bio researchers and provide them an environment for fruitful networking and new possibilities in collaborations as well as enhance their knowledge in their field of research. You will see possibilities in combination of AFM with advanced microscopic methods and you will have an opportunity to share your research result via presentation in front of your colleagues.

## LECTURES

AFM Basics, AFM Spectroscopy, Optical Tweezer, Advanced Fluorescence, BioIndentation

AFM microscopy + other techniques – Raman microscopy, Advanced optical microscopy (confocal, FLIM, polarization microscopy), MEA electrochemistry

AFM for characterization of samples – nano-objects (nanoparticles), biomolecules (proteins, DNA), living cells

AFM gives you more – topography, mechanical properties, adhesion, nano-manipulation and nano-injection

Advanced AFM modes – Force Mapping, PF QNM, QI

AFM user stories, Labs presentations

## HANDS-ON SESSION

Bruker Dimension FastScan

JPK NanoWizard3 and 4

CytoSurge Nanoinjection system (Fluid FM)

Bruker Icon + Renishaw Invia Raman Microscope

Bioindentor BioSoft

**06/04/2020**

**START 08:00**

CEITEC  
University Campus  
Kamenice 5  
Brno Bohunice  
Czech Republic

