



MASARYK
UNIVERSITY



Central European Institute of Technology
BRNO | CZECH REPUBLIC

Talking Colors: Advanced Microscopy

Lectures and Workshop

October 24–25, 2017

start at 9:30

Lectures at **Mendel Museum**

Augustinian Abbey Mendlovo nám. 1a, Brno

Practical Sessions at **CEITEC MU**

Kamenice 5, Brno

Are you interested in functions and structures of human protein complexes? Would you like to study essential interactions of biomolecules in live cells? Do you want to learn about advanced microscopy in biomolecular research?

If one of your answers is **YES**, you might want to join us for overview lectures and practical sessions!

Speakers

Michael Stone

Investigating Nucleic Acid Structure and Dynamics using Single Molecule FRET

Mark Hink

Measuring molecular interactions using Fluorescence Lifetime and Correlation Microscopy

Organizer

Ctirad Hofr

The detailed programme and registration is available **HERE**

Topics

- **Lights can talk and measure:** Applications of microscopy in analyses of essential biomolecular interactions and functions
- **Are proteins just close or really bound?** Advanced fluorescence microscopy techniques: resonance energy transfer (FRET) and life-time imaging (FLIM)
- **If you want to know more, make it single.** Single molecule applications of fluorescence correlation spectroscopy (FCS), and total internal reflection fluorescence (TIRF) microscopy

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