

Summer workshop on BioAFM microscopy 2023

From molecules to cells, from structure to mechanics

LECTURES

Basic and advanced

USER STORIES

Share your experience

BRING YOUR SAMPLE

Demo measurements of your samples

HANDS-ON-SESSION

Analysis of sample under supervision



Register at this web [link](#)



Workshop fee

Full: 2000 CZK / 80 EUR

Students: 1000 CZK / 40 EUR

Presenters: FREE

Core Facility Nanobiotechnology

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SEPTEMBER 6th – 8th
2023

University Campus Bohunice
Brno, Czech Republic
building E35

Summer Workshop on BioAFM Microscopy 2023

PRELIMINARY TIME SCHEDULE

1. WEDNESDAY, SEPTEMBER 6TH

- 8:30 – 9:00 REGISTRATION, COFFEE (E35, ATRIUM)
- 9:00 – 9:45 BASICS OF AFM, L. PAŘÍZEK, MTM (E35, 211)
- 9:45 – 10:30 ADVANCED MEASURING MODES, L. PAŘÍZEK, MTM (E35, 211)
- 10:30 – 11:00 COFFEE BREAK (E35, ATRIUM)
- 11:00 – 12:00 SAMPLE PREPARATION, J. PŘIBYL, CEITEC MU (E35, 211)
- 12:00 – 13:00 LUNCH (E35, ATRIUM)
- 13:00 – 13:45 AFM DATA PROCESSING, Š. KLIMOVIČ, CEITEC MU (E35, 211)
- 13:45 – 14:30 AFM WITH OTHER TECHNIQUES, A. DULEBO, BRUKER (E35, 211)
- 14:30 – 15:00 COFFEE BREAK (E35, ATRIUM)
- 15:00 – 17:00 SAMPLE / USER STORIES – TBA (E35, 211)
- 17:00 – 17:30 TOUR DE LABS (E35, CF LABS)
- 19:00 – 22:30 WORKSHOP DINNER (TBA)

2. THURSDAY, SEPTEMBER 7TH

- 8:30 – 9:00 GETTING TOGETHER, COFFEE (E35, ATRIUM)
- 9:00 – 9:45 COMPANY PRESENTATION, J. HORÁK, MTM (E35, 211)
- 9:45 – 10:30 CORE FACILITY NANOBIO, J. PŘIBYL, CEITEC MU (E35, 211)
- 10:30 – 11:00 COFFEE BREAK (E35, ATRIUM)
- 11:00 – 12:00 SPLITTING INTO GROUPS, INSTRUMENTS JOINING (E35, CF LABS)
- 12:00 – 13:00 LUNCH (E35, ATRIUM)
- 13:00 – 17:30 AFTERNOON PRACTICAL SESSION (E35, CF LABS)
 - BRUKER BIOSOFT – MECHANICAL TESTING OF HYDROGELS (E35, 2S011)
 - BRUKER MULTIMODE 8 – SINGLE-MOLECULE IMAGING (E35, 2S011)
 - BRUKER FASTSCAN – MEMBRANE TESTING (E35, 2S014)
 - JPK NANOWIZARD 4XP: CELLULAR BIOMECHANICS (E35, 2S015)



3. FRIDAY, SEPTEMBER 8TH

- 8:30 – 9:00 GETTING TOGETHER, COFFEE (E35, ATRIUM)
- 9:00 – 12:00 PRACTICAL SESSION (E35, CF LABS)
 - BRING YOUR OWN SAMPLE
 - HANDS-ON PRACTICE
- 12:00 – 13:00 LUNCH (E35, ATRIUM)
- 13:00 – 13:30 CLOSING REMARKS (E35, ATRIUM)



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