

EM-SPS 2024 course programme

Monday, April 22 (day 1)

- 08:45 - 09:00 Registration [U1.032]
09:00 - 09:15 Welcome address & Introduction
09:15 - 10:00 **Lecture 1:** *Overview of sample preparation workflows for ultrastructural analysis (David Liebl)* [U1.032]
10:00 - 10:45 **Lecture 2:** *Conventional sample preparation of biological and bio-composite samples for TEM & SEM (Pelín Sungur)*
10:45 - 11:00 Coffee break
11:00 - 11:45 **Lecture 3:** *Ultramicrotomy (Pelín Sungur)* [U1.032]

12:00 - 13:00 Lunch break [BIOCEV canteen]

13:00 - 13:45 Participants introduction (flash talks) [U1.032]
13:45 - 14:30 **Lecture 4:** *Sample preparation of particulate material (Jiří Mikšátko)* [U1.032]
14:30 - 14:45 Coffee break
14:45 - 15:30 **Lecture 5:** *Fine structure Immuno-gold labelling (David Liebl)* [U1.032]
15:30 - 16:00 EM lab safety briefing and lab tour [U1.032]
16:00 Welcome Pizza [M1.004]

Tuesday, April 23 (day 2)

- 09:00-12:00 **GR1:** Sample processing for TEM (*Pelín Sungur*) [M 1.024]
GR2: Sample processing for SEM (*David Liebl*) [M 1.011]

12:00 Lunch break [BIOCEV canteen]

13:00-16:00 **GR1:** Chem processing for SEM (*David Liebl*) [M 1.011]
GR2: Chem processing for TEM (*Pelín Sungur*) [M 1.024]

Wednesday, April 24 (day 3)

- 09:00-12:00 **GR1:** Negative staining, Plunge freezing and DIEM (*Jiří Mikšátko*) [M 1.024]
GR2: Ultramicrotomy (*Pelín Sungur*) [M1.015]

12:00 Lunch break [BIOCEV canteen]

13:00-16:00 **GR1:** Ultramicrotomy (*Pelín Sungur*) [M1.015]
GR2: Negative staining, Plunge freezing and DIEM (*Jiří Mikšátko*) [M 1.024]

Thursday, April 25 (day 4)

- 09:00-12:00 **GR1:** TEM (*David Liebl*) [M1.019]
GR2: SEM (*Jiří Mikšátko*) [M1.013]

12:00 Lunch break [BIOCEV canteen]

13:00-16:00 **GR1:** SEM (*Jiří Mikšátko*) [M1.013]
GR2: TEM (*David Liebl*) [M1.019]

16:00 Summary discussion and the END [M1.004]