

# EM-SPS 2024 course programme

## Monday, April 22 (day 1)

- 08:45 - 09:00 Registration [U1.038]  
09:00 - 09:15 Welcome address & Introduction  
09:15 - 10:00 **Lecture 1:** *Overview of sample preparation workflows for ultrastructural analysis (David Liebl)* [U1.038]  
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 [M1.004]  
11:00 - 11:45 **Lecture 3:** *Ultramicrotomy (Pelín Sungur)* [U1.038]  
  
12:00 - 13:00 Lunch break [BIOCEV canteen]  
  
13:00 - 13:45 Participants introduction (flash talks) [U1.038]  
13:45 - 14:30 **Lecture 4:** *Sample preparation of particulate material (Jiří Mikšátko)* [U1.038]  
14:30 - 14:45 Coffee break  
14:45 - 15:30 **Lecture 5:** *Fine structure Immuno-gold labelling (David Liebl)* [U1.038]  
15:30 - 16:00 EM lab safety briefing and lab tour [U1.038]  
16:00 Welcome Pizza [M1.004]

## Tuesday, April 23 (day 2)

- 08:50-09:00 Briefing [M1.004]  
09:00-12:00 **GR1** and **GR2:** *Sample processing for TEM (Pelín Sungur & David Liebl)* [M 1.011]  
  
12:00 Lunch break [BIOCEV canteen]  
  
13:00-14:00 **GR1** and **GR2:** *Chem processing for TEM (Pelín Sungur & David Liebl)* [M 1.011]  
14:00-16:00 **GR1** and **GR2:** *Chem processing for SEM (Pelín Sungur & David Liebl)* [M 1.011]  
16:00 Debriefing [M1.004]

## Wednesday, April 24 (day 3)

- 08:50-09:00 Briefing [M1.004]  
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]  
16:00 Debriefing [M1.004]

## Thursday, April 25 (day 4)

- 08:50-09:00 Briefing [M1.004]  
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]