

Cryo-Imaging of Biological Samples - Practical course

April 7th – 9th, 2025

Preliminary program:

Day 1

9:00 – 9:15	<i>Registration of Participants</i>
9:15 – 9:25	<i>Welcome Address & Introduction of the Course (D. Liebl)</i>
9:25 – 10:15	<i>Cryo-Sample Preparation & Imaging Workflow Overview (D. Liebl)</i>
10:15 – 11:00	<i>Basics of Fluorescence Microscopy (FM) & cryo-FM (P. Jurkiewicz)</i>
11:00 – 11:15	<i>Coffee Break</i>
11:15 – 12:00	<i>Basics of Transmission Electron Microscopy (TEM) & cryo-TEM (J. Mikšátko)</i>
12:00 – 13:00	<i>Lunch</i>
13:00 – 15:00	Group 1: <i>Plunge freezing</i> Group 2: <i>HPF + AFS</i>
15:00 – 17:00	Group 1: <i>HPF + AFS</i> Group 2: <i>Plunge freezing</i>

Day 2

9:00 – 12:00	Group 1: <i>Intro to cryo-TEM</i> Group 2: <i>Intro to cryo-FM</i>
12:00 – 13:00	<i>Lunch</i>
13:00 – 16:00	Group 1: <i>Intro to cryo-FM</i> Group 2: <i>Intro to cryo-TEM</i>
16:00 – ???	<i>Pizza Session</i>

Day 3

9:00 – 12:00	Group 1: <i>Cryo-TEM</i> Group 2: <i>Cryo-FM</i>
12:00 – 13:00	<i>Lunch</i>
13:00 – 16:00	Group 1: <i>Cryo-FM</i> Group 2: <i>Cryo-TEM</i>
16:00 – 16:30	<i>Closing Remarks & End of the Course</i>