



Experimental Biophotonics course

CEITEC Brno University of Technology, S2.02/No.04, Purkyňova 123, Brno

Light microscopy techniques for studying live cells in vitro: principles of light microscopy, fluorescence, confocal microscopy and quantitative phase imaging in holographic microscopy. Basics of cell biology and preparation of live cells for microscopy observations. Demonstrations and practical sections in the laboratory.

Thursday, 23 November 2023

9:40-11:00 Fluorescence, confocal and multiphoton microscopy S2.02 (Hana Uhlířová)

11:10-11:50 Applications of light microscopy in cancer research S2.02 (Daniel Zicha)

12:40-14:00 Cell biology and sample preparation for microscopy S2.02 (Pavel Veselý)

14:10-15:30 What we have learnt about bone and bones from studying racehorses: integrated studies with many microscopical methods S2.02 (Alan Boyde)

Tuesday, 28 November 2023

9:00-10:20 Microscopy principles S2.02 (Zbyněk Dostál)

10:30-11:50 Interference and holographic microscopy S2.02 (Zbyněk Dostál)

12:40-15:30 Laboratory demonstration B0.04 (Tereza Tučková, Tomáš Horák, Veronika Jůzová)

No registration fee for the course. If you are interested, register by sending an email to alena.vojkuvkova@ceitec.cz. Put "registration EB course" in the subject of the message.