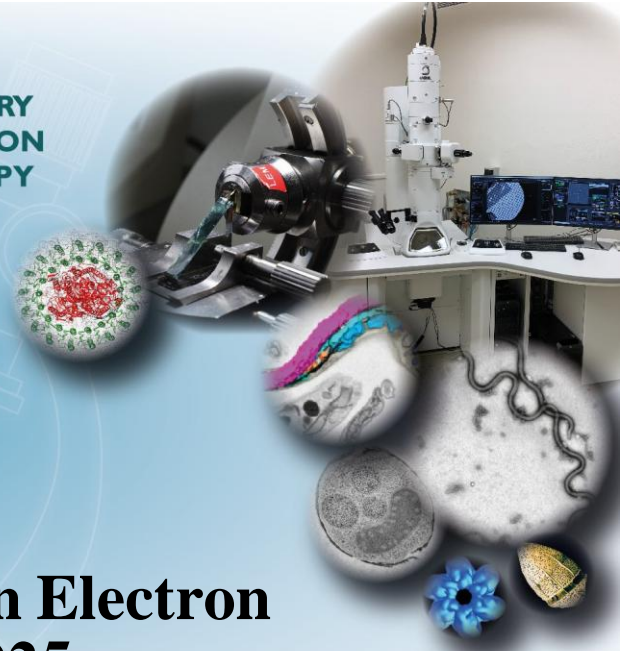




**LABORATORY
OF ELECTRON
MICROSCOPY**
České Budějovice



Biological Specimens in Electron Microscopes 2025

**Biology Centre of CAS – Institute of Parasitology and Faculty of Science – Institute of
Physics and Biophysics, University of South Bohemia, České Budějovice, Czech Republic**

23.- 27. 6. 2025 České Budějovice

This practical course is focused on the methods of biological specimen preparation for electron microscopy. The main goal is to make participants familiar with the theoretical background and the latest practical developments in this field with a focus on imaging technologies available in our EM lab. The program includes specimen preparation, including cryo-methods, cutting of ultrathin sections from embedded or frozen samples, methods of negative staining and immunolabeling, basic operations with TEM and SEM, techniques for obtaining 3D-structural information (single particle analysis, electron tomography, array tomography, and serial block-face), and introduction to EM data processing and analysis. We are looking forward to seeing you on the course



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