

Seminar on the official opening of the HRSEM workplace at the Faculty of Science, Charles University:

Modern Applications of High-Resolution Scanning Electron Microscopy in Biology and Biomedical Research



May 30, 2022, Faculty of Science, Charles University, Viničná 7, Praha 2,
Anthropological Lecture Hall B2



Program:

- 14:00 Opening word - **Miroslav Hylíš** (Lab EM, IMCF Viničná, Faculty of Science, Charles University, Praha)
- 14:10 JEOL Field Emission Scanning Electron Microscope JSM-IT800 - **Yusuke Uetake** (JEOL)
- 14:35 New trends in biological specimen preparation for high-resolution scanning electron microscopy
- **Jana Nebesářová** (Lab EM, IMCF Viničná, Faculty of Science, Charles University, Praha)
- 15:00 Serial Block Face SEM and Array tomography - what we can visualize with these 3D SEM techniques
- **Jiří Týč** (Lab EM, Biology Centre, České Budějovice)
- 15:25 Revealing 3D cellular ultrastructure by FIB-SEM – **Markéta Dalecká** (IMCF BIOCEV, Vestec)
- 15:50 Low voltage STEM: New method for the evaluation of immunogold localization on resin ultrathin sections
– **František Kitzberger** (Lab EM, Biology Centre, České Budějovice)
- 16:05 Tour of newly installed microscopes
- 17:00 End