

Transmission electron microscopy in life sciences



Practical Course

24th – 28th November 2025

IMG, Prague, Czech Republic

- Get a feeling of electron microscopy in biomedicine in one week
- Learn principles of electron microscopy and become an independent user
- Highly experienced tutors – focus on hands-on training

Dear Colleagues,

We would like to invite you to the 5-day practical course "**Transmission electron microscopy in life sciences**".

The course is aimed at beginners and intermediate users of transmission electron microscopes. After the course, participants will understand the principles of construction and function of transmission electron microscopes and will receive the extensive practice during hands-on sessions on transmission electron microscopes of varying complexity. The participants are encouraged to bring their own samples on TEM grids for imaging at room temperature. A brief overview of sample preparation methods, and demonstration of cryoTEM method is a part of the course, as well. The course will be taught in English.

The Course is organized by the Institute of Molecular Genetics of the Czech Academy of Sciences in Prague on 24th – 28th November, 2025. Favourable registration fees are set due to the support by the Czech-Biolmaging.

We look forward to your participation!

On behalf of the organizers,
Vlada Filimonenko

<https://course.img.cas.cz/tem/>