SUPER-RESOLUTION in Light Microscopy
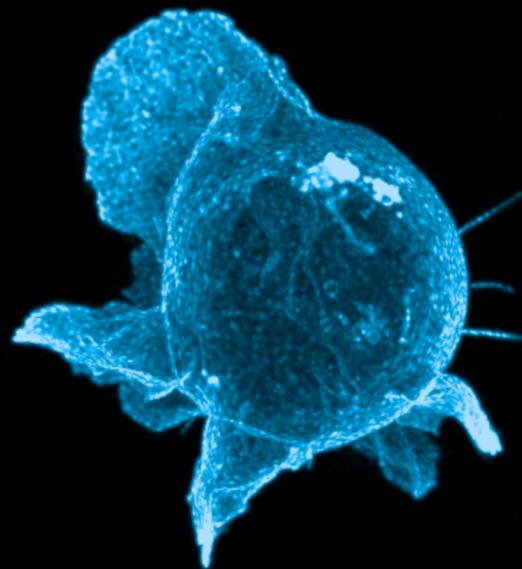
8–10 June 2026
Institute of Molecular Genetics of the Czech Academy of Sciences

PRACTICAL COURSE

WHY ATTEND THIS COURSE

WHICH SUPER-RESOLUTION METHOD FITS YOUR BIOLOGICAL QUESTION?

This course provides a solid theoretical background and practical insight to help you **choose the most appropriate super-resolution technique for your specific biological application.**

3 DAYS OF HANDS-ON SUPER-RESOLUTION MICROSCOPY

Each participant receives 15 hours of practical training on state-of-the-art systems:

- *Zeiss Elyra7 (Lattice SIM / SMLM)*
- *EVIDENT IXplore SpinSR with SoRa*
- *Leica Stellaris 8 TauSTED Xtend*
- *Zeiss Airyscan2*

ADDITIONAL PRACTICAL SKILLS

super-resolution data deconvolution – general principles and method-specific approaches.

Extra lecture - instrument quality control using *Argolight Slide*

REGISTRATION

https://course.img.cas.cz/slm

COURSE ORGANIZATION

The course is organized by Institute of molecular genetics, Light Microscopy core facility, in the framework of the Czech-BioImaging research infrastructure supported by Ministry of education youth and sports (LM2023050).

IMG

CZECH BIOIMAGING

MINISTRY OF EDUCATION, YOUTH AND SPORTS

COURSE PARTNERS

EVIDENT

SVEN BIOLABS S.R.O.
WWW.SVENBIOLABS.CZ

ZEISS

Leica MICROSYSTEMS

SpeciOn