

June 8–10, 2026

**Institute of Molecular Genetics
Czech Academy of Sciences**

PROGRAMME

DAY 01, June 8, 2026

08:50 - 09:00 Course organization notes

09:00 - 09:40 Resolution in light microscopy | *Jan Pechl, MPI-CBG*

09:40 - 10:00 Deconvolution intro | *Michaela Blazikova / Ivan Novotny, IMG CAS*

coffee break

10:20 - 10:40 Pixel/Optical reassignment | *Stepan Kortus, IEM CAS*

10:40 - 10:55 Optical reassignment implementation - SoRa | *Tomas Pop, EVIDENT*

10:55 - 11:15 Pixel reassignment implementation - Airyscan | *Pavel Krist, Zeiss*

11:15 - 11:45 SIM and Lattice SIM | *TBA, Zeiss*

lunch

12:30 - 13:00 SMLM | *Michaela Blazikova, IMG / TBA Zeiss*

13:00 - 13:30 STED | *Ivan Novotny, IMG / Andreas Fulterer, Leica*

coffee break

14:00 - 19:00 Practical sessions for 3 groups:

STED | SIM/SMLM | Pixel/Optical reassignment

Dinner + participants projects discussion

DAY 02, June 9, 2026

Block of practical sessions:

09:00 - 10:00 Deconvolution of high/SR data practicing | *SVI + IMG support*

coffee break

10:30 - 11:30 Specific decon. modules - Airyscan, Spinning disk - practical session | *SVI + IMG*

11:30 - 12:30 STED Xtend data post-processing with time parameter - practical session | *Leica + IMG*

lunch

13:30 - 18:30 Practical sessions for 3 groups:

STED | SIM/SMLM | Pixel/Optical reassignment

18:30 - 19:00 wrap up

20:00 - 22:30 *Outdoor grill garden*

DAY 03, June 10, 2026

09:00 - 13:00 Practical sessions for 3 groups:

STED | SIM/SMLM | Pixel/Optical reassignment

lunch

14:00 - 15:30 3x 30 min scientific talk in SR | *Dohnalkova (STED) / Malcova (SIM) / Gemperle (SORA)*

coffee break

16:00 - 16:30 QC in SR data | *Jakub Pospíšil, CELIM*

16:30 - 17:00 Final discussion and closing remarks

Farewell pizza