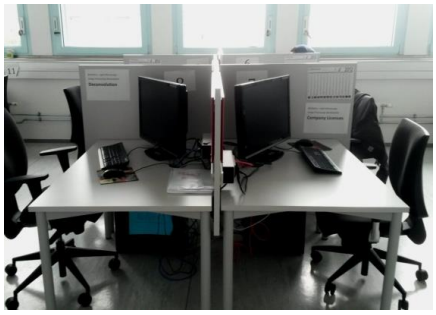
Workstations



General-purpose image processing workstations of the facility are located in the Max Perutz Labs main building, 6th floor, room 6.508. For the Zeiss Elyra 7 super-resolution microscope, a processing PC is available in VBC5, room 1.723.
(Last update April 2022)

Workstation "Deconvolution"

Hardware

- CPU: 2x Xeon E5 2680 (2.4 GHz, 14 cores, 28 threads), 256 GB RAM (DDR4)
- GPU: 3x NVIDIA Geforce GTX1080 (8 GB each, DDR5)
- HDD: 1 TB SATA (for local data)
- Monitor: ASUS PB278QR, 27"
- OS: Windows 10 (64-bit), CUDA 10.0 toolkit, cuDNN 7.6

Software

- Imaris 9.9 (Oxford Instruments), including Imaris for Cell Biologists and Imaris Stitcher
- Huygens Professional (SVI), including deconvolution, surface/volume rendering, object analysis, colocalization, chromatic aberration and drift correction, tracking and movie making
- Zeiss ZEN 2.3 SP1 (Blue/Black), including the ZEN Macro Extension
- Open source: ImageJ/Fiji, Icy, IMOD 4.9, CellProfiler, cellpose, MiAnalyzer, Aydin, FRAP-Analyser, VisiView-Lite

Workstation "Company Licences"

Hardware

- CPU: Intel-Core i7 -950, 3.06 GHz, 12 GB RAM (DDR3)
- GPU: ATI-Radeon-HD5770, 1 GB
- Monitor: Iiyama ProLite 27"
- OS: Windows 7 (64-bit)

Software

- Zeiss ZEN 2012 SP1, including ZEN Black (with Physiology module, Multiple Time Series, Tiles) and ZEN Blue (with Measurement module, Image Analysis and Extended Focus)
- Olympus cellSens Dimension Desktop 1.17
- Applied Precision softWoRx suite 2.0
- Visitron VisiView 2.0.8
- ImageJ/Fiji
- Adobe Photoshop, Illustrator CS4, Acrobat Pro 9

Workstations

Workstation "Elyra Processing"

Hardware

- CPU: AMD EPYC 7443P (2.85 GHz, 24 cores, 48 threads), 256 GB RAM (DDR4)
- GPU: PNY NVIDIA RTX A6000 (48 GB RAM, DDR6)
- HDD: 12 TB RAID (SAS)
- OS: Windows 10 (64-bit)

Software

- Zeiss ZEN 3.0 SR (Black)
- Zeiss ZEN 3.4 (Blue)
- ImageJ/Fiji