BioImaging Core Facility

Professional software for data visualization and analysis

Graphic workstation (SIKT)

Image processing: Zeiss ZEN 2.3
Deconvolution ● AiryScan processing ● Vis-Art 3D ● Colocalization-tool ● Dye Separation (Spectral unmixing) ● Mosaic merge (Tiles) ● Vis-Art ● Time Laps ● Maximum Intensity Projection ● Editing Background, Color, Brightness / Contrast, etc. ● Noise Reduction

Deconvolution: Huygens Professional 18.10
Deconvolution (of CLSM data) using theoretical or measured PSF ● Express Deconvolution ● PSF measuring (PSF Distiller) ● Correction of spherical   ● Batch file processing

Visualization and analysis: Imaris 9.1.2
2D- and 3D-visualization and analysis of LSM-data ● 3D-surface rendering ● Colocalization ● Time series (4D) from Live Cell Imaging ● Movement tracking ● Data plots ● Included and link to matlab-algorithms for data processing

Data publication: Adobe package (Photoshop, Illustrator, Acrobat Pro)

Graphic workstation (VMF)

Image processing and analysis: Leica LAS-X 1.1.0
Mosaic merge ● Cropping ● Combine images ● Maximum Intensity Projection ● Editing Background, Color, Brightness / Contrast, etc. ● Noise Reduction ● Dye Separation: automatic, manual, spectral (Spectral unmixing) ● Segmentation ● Quantifying (Intensities, Photon Counts)

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