

Our Mission

Bioimaging provides the means to place genomic and proteomic information in a cellular or tissue context. The **BioVis facility** provides a unique combination of technology and know-how for multimodal biological visualization at the tissue, cell, and sub-cellular levels, including supporting analytical and preparative technologies.

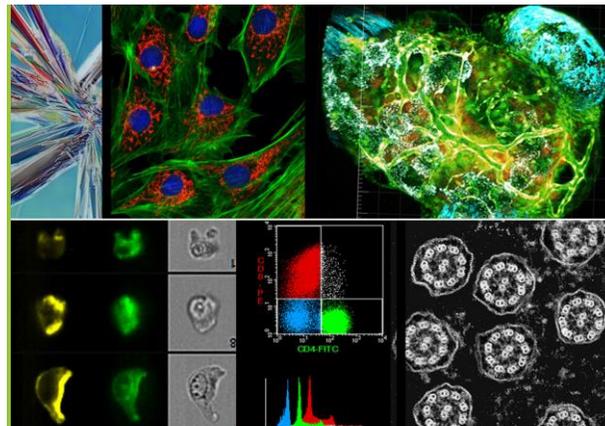
We provide access to analytical techniques covering light and electron microscopy, as well as flow cytometry. We offer advice regarding methods and visualization-related problems as well as fee-based access to state-of-the-art instruments.

We aim to help researchers coming from academic and non-academic areas to cover various perspectives and scales of visualization that have to be addressed during a research project.



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SciLifeLab



For more information and booking of instruments please contact us.

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SciLifeLab

BioVis Facility

Biological Visualisation

Microscopy

Brightfield & Fluorescence
Confocal
Multiphoton
Lightsheet
Superresolution (SIM)

Flow Cytometry

Flow Cytometry
Cell Sorting
Image Flow Cytometry

Electron Microscopy

Transmission Electron

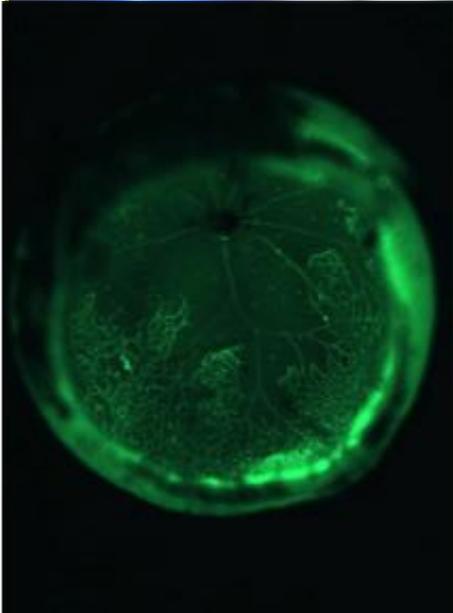
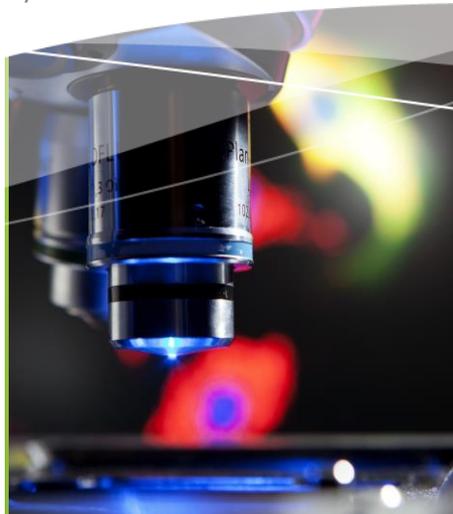
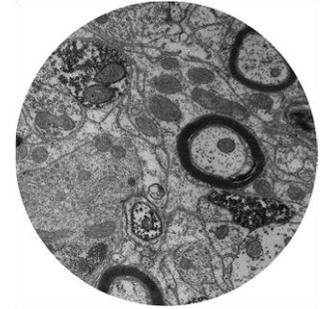
www.biovis.uu.se
www.scilifelab.se/facilities/biovis/

SciLifeLab

From centimeter to picometer in a flow

The Light microscopy and Electron microscopy node covers Imaging in the scale of cm to pm to let you visualize samples in 2, 3 or even 4 dimension (x,y,z and time). Software for 3D reconstruction is available.

The Flow Cytometry node combines imaging and flow cytometry data and allows even to isolate and purify your cells of interest.



Equipment available at BioVis

Zeiss LSM710 SIM, Superresolution / Confocal microscopy (λ 405, 488, 561, 633), discover details below 200 nm with the SIM option

Zeiss Lightsheet Z.1, for whole mount imaging of fruit fly, zebra fish and mouse embryos and more for, 4D-imaging (λ 405, 488, 561, 633)

Zeiss LSM710 NLO, for Multiphoton deep tissue / intravital imaging and confocal microscopy, with QASAR detector and 3 NDD-T and NDD-R (λ 488, 561, 633, 690-1040) and monitoring tools

Zeiss LSM700, confocal microscopy and 3D reconstruction of you sample, (λ 405, 488, 561, 633)

ZEISS SteREO V12, for macro imaging you sample (stereo microscopy)

Zeiss Axioimager, for Bright field and Fluorescence Microscopy (including Apotome for optical sectioning)

TEM FEI Tecnai, for Electron Microscopy, incl preparative Laboratory

BDSLRII, a 5 Laser analytical Flow Cytometer (λ 355, 405, 488, 561, 638) with PMT option of forward scatter

BDFACS Aria III, a 4 Laser Flow Cytometer for Cell Sorting (λ 405, 488, 561, 633)

Amnis FlowSight, for combining Imaging and Flow Cytometry, (λ 405, 488, 561, 642, 785), high through put, for cell cycle and localization analysis and more

Workstations for Flow cytometry (DiVa, Modfit, IDEAS) and Microscopy (MARIS, AMIRA, Huygens)