The Biomedical Imaging Research Unit is your resource for Light Microscopy, Confocal Microscopy, Electron Microscopy and Image Analysis.

Our facility provides individual in-depth training for all instrumentation, enabling researchers to gain expertise in techniques quickly. Our aim is to support your research effort and upskill graduate students/staff.

We offer:
- High-end equipment
- Ongoing support
- User training
- Advice on experimental design
- Software solutions
Optical microscopy

Confocal: Olympus FV1000 BX61 upright (slides)
Olympus FV1000 WI upright (+ live cell imaging)
Zeiss LSM 710 inverted (slides/live cell imaging)

Widefield: Leica DMR upright fluorescence microscope
Zeiss Axioplan2 upright fluorescence microscope
Nikon TE2000E inverted fluorescence microscope

Slide scanner: MetaSystems VSlide

High content screening: Molecular Devices ImageXpress Micro XL

Dissecting scope: Leica MZ16 stereo microscope

Live cell imaging: Nikon BioStation

Electron microscopy

Transmission electron microscope: Tecnai G2 Spirit Twin

Scanning electron microscope: Hitachi Tabletop Microscope TM3030Plus

Imaging mass spectrometry

MALDI-TOF/TOF: Bruker UltrafleXtreme

Sample processing

Microtome: Leica Ultracut UCT ultramicrotome

Other: EMS Glow discharge unit, TAAB vacuum embedding oven

Software

3D reconstruction: Amira, Image-Pro Plus

Analysis: Image-Pro Plus, MetaMorph/MetaXpress, ImageJ/Fiji