Details

Microscopy Core Facility (MCF)

The MCF contains systems for fluorescence- and transmitted microscopes as well as confocal microscopes. Main users are groups focusing on neuroscience. Users of Charité groups and externals will be gained access if available. Detailed Information to the MCF are available on the webpages https://nwfz.charite.de/en/microscopy_core_facility/ and https://neurocure.de/microscope-facility-205.html. Users will find a detailed technical description of each system, general information to microscopy, a booking platform and contacts. Within core times the technical operations management will be present to assist and advice regarding sample selection, image acquisition and analysis, data processing and efficient working with the state-of-the-art microscopy systems. Prior independent working with the systems, the user will be introduced - thoroughly. User´s Rules and Guidelines including service catalogue and pricing are available online. An annual introduction to laser safety is mandatory for all users.

Address: Chariteplatz 1
10117 Berlin
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To website

Host Institution

Charité - Universitätsmedizin Berlin
Chariteplatz 1
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http://www.charite.de
Neurowissenschaftliches Forschungszentrum (NWFZ)
Charitéplatz 1
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Deutschland
https://www.charite.de/forschung/forschung_an_der_charite/forschungszentren/

Scientific Domain

Primary Subjects:
- Biology
- Medicine

Secondary Subjects:
- Physics
- Mathematics

Category

Biomedical Imaging Facilities

Scientific Services

The MCF offers primarily an Application Service (user work after introduction independently): - Review of the project and advice to experimental setup regarding technical feasibility and optimal use of microscopes; - thorough introduction to the systems including basic training and follow-up support by the technical operation management; - full access to microscopes; - frequent checks of the systems regarding solution, laser power and data storage by the technical operation management; - modification of systems to address specific questions.

Scientific Equipment

- fluorescence and transmitted microscope
- confocal laser microscope

Keywords

- mircoscope
- imaging
- neuroscience
- NeuroCure
- core facility
- fluorecence
- high resolution
- confocal microscopy
- Neurolucida

Networks

NeuroCure - Cluster of Excellence
http://www.neurocure.de/

The Advanced Medical Bioimaging (AMBIO)
https://ambio.charite.de/en/

Users per annum

Internal Users: 100
External Users in total: 20
External Users: 20
External Users in the EU: 0
External Users outside of EU: 0