Oxford Brookes Bioimaging Unit

The Oxford Brookes Bioimaging Unit offers a wide range of microscopy services, training, technology development, cutting-edge equipment, and world-leading expertise to scientists and companies.

Our Services and Brookes Microscopy Consultancy:
The Oxford Brookes Bioimaging Unit offers a comprehensive microscopy service including specimen preparation for light and electron microscopy; digital light and confocal microscopy; immunocytochemistry; transmission and scanning electron microscopy, conventional and high resolution block-face imaging; LM histological preparation; a range of cryo-preparative techniques (cryo-sectioning [LM/EM], rapid and high-pressure freezing, freeze-drying, freeze-substitution, low temperature embedding); image processing; report writing.

Contact: Oxford Brookes Bioimaging Unit, Department of Biological and Medical Sciences
More information: https://oxfordbrookesbioimaging.weebly.com/
Email: microscopy@brookes.ac.uk  Telephone: 01865 484351 or 483266

Equipment available

- Confocal microscopy: Zeiss LSM 880 and 800 with Airyscan and temperature controlled stage for live cell imaging.
- Light microscopy: Zeiss axioplan fluorescence microscope and other additional microscopes with digital imaging capability.
- Specimen preparation equipment: RMC Powertome PTPC and MT990 microtome, Baltic HMP 010 high pressure freezer; RMC FS-8500 system for freeze substitution of frozen samples, Polaron Critical Point Dryer E3000, Carbon coater unit with plasma cleaning and glow discharge, Gold sputter coating for routine SEM sample preparation.

Images by Maike Kittelmann, Jiri Tyk, Charlotte Pain and Verena Kriechbaumer