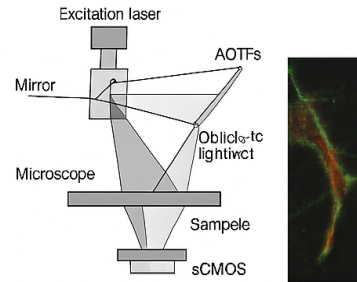


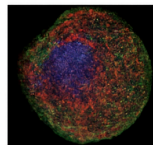
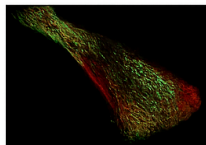
Technology

A novel oblique plane single-molecule localization microscopy (SMLM) system enabling *volumetric* super-resolution imaging with a single objective. This approach integrates an oblique light-sheet, and multi-laser AOTF modulation to capture entire sample volumes in a single scan, eliminating the need for post-processing.



Benefits

- 10× faster acquisition of super-resolved volumes (from days to hours)
- High performance in low-photon environments. ideal for deep tissue imaging
- Single scan volumetric capture, reducing complexity and time
- Scalable and modular design, compatible with standard inverted microscope bases
- Integrated denoising software for enhanced image clarity



Commercial Applications

- Biological Imaging: Visualise cellular structures at nanoscopic scale
- Cancer Research: Track tumour microenvironments and cellular interactions
- Neuroscience: Map protein circuits in 3D
- Cell Biology: Study protein assemblies, nucleic acids, and lipids in situ

Contact

For further information please contact:

Mei Hong

Commercialisation Associate

mel.hong@enterprise.cam.ac.uk