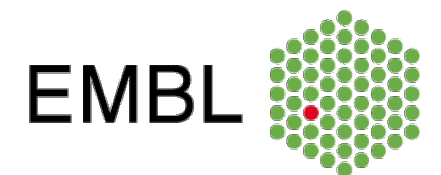


EMBL Rome Microscopy Facility

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EMBL as an Organization

- Founded in 1974 by intergovernmental treaty of nine European countries (including Italy) plus Israel
- Currently funded by 27 member states and two associate members, Argentina and Australia
- Operates across six sites: Barcelona (Spain), Grenoble (France), Hamburg (Germany), Heidelberg (Germany), Hinxton (United Kingdom) and Rome (Italy).

EMBL Rome

- Established in 1999
- Focused on Neurobiology and Epigenetics
- 8 groups
- 50 users per year
- 5 microscope systems (spinning disk, LSCM, Wide Field, Slide Scanners)

EMBL Rome Microscopy Interests

Almost no live imaging

- Visualization of Neuronal activity in awake animals (2p Microscopy) and freely behaving animals (e.g. miniscope)
- Microscope development for tissue imaging (2p, FLIM)
- Automation of complex microscopy workflows (adaptive feedback, fluidics integration, etc.)
- Implementation of adaptive optics for large volume imaging
- Spatial Transcriptomics (e.g. seqFISH)
- Spatial Proteomic profiling (Antibody based multiplex imaging)
- Single molecule localization

What the Microscopy Facility at EMBL Rome can do for others?

- Offer a testing ground for 'real world' deployment
- Testing over a large variety of samples
- Assist for production of application notes
- Feedback (usability, technical specs, integration, etc)