



Imaging

# cellular imaging facility (CIF)

## OVERVIEW

The Cellular Imaging Facility (CIF) assists researchers with imaging needs such as widefield fluorescence and transmission optical microscopy, confocal microscopy, time-lapse and ion imaging, to digital image processing and analysis.

The facility is located on the Bugnon, Dorigny, and Epalinges campuses of the University of Lausanne.

The CIF is organized around primary missions of providing access to a wide panel of state-of-the-art imaging equipment and technology, and of diffusing and sharing the practical and theoretical know-how on these approaches through teaching and training.

## INFORMATION & CONTACT

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## SERVICES

### Microscopy/Imaging Equipment

- Confocal microscopy.
- Two photon microscopy.
- Wide-field fluorescence microscopy.
- Time-lapse imaging.
- Dynamic ion imaging.
- Fluorescence stereomicroscopy.
- Laser capture microdissection.
- Whole animal bioluminescence and fluorescence imaging.

### Image Processing/ Computer Technologies

- Morphometry and 3D reconstruction.
- Image processing and image analysis.
- Centralized file server.

### Teaching/Training

- Lecture series on optics, microscopy and cellular imaging.
- Hands-on training on instruments and imaging software.
- Specialized workshops on selected imaging topics.

