

## TECHNIQUES and RESOURCES

Our laboratory covers over 100m<sup>2</sup> of space and is equipped with the following dedicated facilities:

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Confocal and Laser Scanning Microscopy

- confocal microscopy with patch clamp recordings
- 2-photon laser scanning microscopy with patch clamp recordings

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Electrophysiology (in vitro)

- patch clamp recording
- sharp electrode intracellular recording
- multi-array electrode recording

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Electrophysiology (in vivo)

- EEG and tetrodes recordings in freely moving preparations
- EEG, tetrodes and intracellular recordings in anaesthetized preparations
- EEG and tetrodes recordings combined with microdialysis

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Computer modelling

- 11-node computer cluster

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Morphology

- immunohistochemistry
- computer-aided neuronal reconstruction