ENGLISH

SERVICES

CENTRO
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DE NEUROCIENCIA
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SERVICES

The Advanced Fluorescence Microscopy Laboratory (LAMAF) has four state-of-the-art workstations for different types of experiments with fluorescence. These include:

1- A Nikon C1plus confocal microscope, which has three lasers (405, 488 and 543 nm) and four simultaneous detectors.

2- A TIRF (Total Internal Reflection Fluorescence) inverted microscope, which has two lasers for stimulation, a fast C-MOS camera (Hamamatsu), and a Perfect Focus system.

3- A L-RET (Lanthanide Resonance Energy Transfer) work station, which has a pulsed UV laser and quartz targets.

4- A Patch Fluorometry setup, with a unique fluorescence system for recording in a patch excised from the cell membrane. This and the L-RET stations are the only ones of their type in Latin America.

All of the equipment is available for researchers outside of the CINV.

CONFOCAL MICROSCOPE

The use of the confocal microscope is assisted by a professional operator.
For booking inquiries, please contact confocal@uv.cl

OTHER SERVICES

The LAMAF also has a **LASER-TIRF** (Total Internal Reflection Fluorescence) unit mounted on a motorized inverted microscope (Nikon), as well as a setup for **L-RET** (Lanthanide Resonance Energy Transfer). These equipments are available for trained students and researchers, but no operator assistance is provided.

FOR INQUIRIES, PLEASE CONTACT

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