

## **CONFOCAL MICROSCOPY UNIT**

### ***REQUIREMENTS FOR USING THE INVERTED CONFOCAL MICROSCOPE LEICA TCS-SP2-AOBS***

The Confocal Microscope is located in the Microscopy Unit of the Cardiovascular Research Center.

At the start of each session, users will be provided with a microscope that is ready for use. The person in charge of the equipment must be informed of any incident that occurs during its use. At the end of the session users must leave the microscope clean and turned on, and should notify the person in charge, who will check the microscope and turn it off if it is not going to be used by another user.

In order to conserve the laser and fluorescent lamp, the minimum time between turning off the equipment and turning it on again is 1 hour for the fluorescent lamp and 4 hours for the laser. The laser should not be turned off if work is interrupted for a period of less than 3 or 4 hours, as this significantly reduces its average life. It should be left in the lowest position. Approximately 3 to 4 hours of its average life is consumed every time it is turned on or off. Each time the laser stops being used, its consumption should be minimized.

It is absolutely essential to give the person in charge of the equipment the sample receipt form duly completed and signed, as well as to complete the form for recording use of the equipment, located on the microscope table.

Users are responsible for any negligence or misuse. In the case of doctorate or scholarship students, the director of the group or research project is responsible. It is strictly forbidden to eat, drink or smoke in the microscope room.

Users should record the images on their CD's as the person in charge of the equipment erases the images stored on the hard drive every week.

It is strictly prohibited to load new programs onto the computer linked to the microscope without the consent of the person in charge of the equipment.