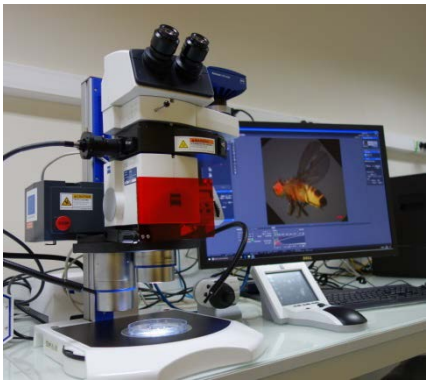
A NEW EQUIPMENT
TO OBSERVE THE SMALL WORLD IN 3D



As the year 2018 begins, the CSGA Histology group is proud to announce the arrival of a *stereomicroscope*, thanks to financial support from the French Ministry for Higher Education and Research. This mysteriously-named tool creates new research opportunities in a wonderful world: the infinitesimally small in 3D…

Compared to a binocular loupe or a conventional microscope, the stereomicroscope features a very special optical system made up of two observational tubes, one for each eye. In addition, a motorized system allows the acquisition of a stack of 2D images in the vertical axis, which can be used to generate high-quality 3D image

Other technical features include the ability to observe objects under white light or fluorescence illumination and to magnify objects up to 200 times. This microscope is equipped with a camera to monitor the operator's manipulations or to film the evolution of a sample providing a time-lapse photography facility.

At the CSGA, there is no shortage of practical applications: dissecting organ, sorting drosophila labelled by fluorescent probes, sampling protein crystals, observing alimentary bolus... There is no doubt that the images obtained thanks to this state-of-the-art microscope will never cease to improve our research… and amaze us!

Key words

Equipment; method; observation; 3D; microscope; histology; fluorescence

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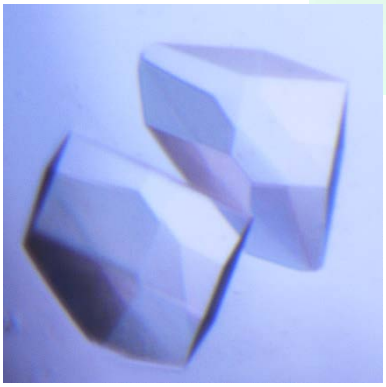

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