

# Nikon SMZ 25 Stereomicroscope at the Bugnon and Dorigny campus

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The CIF recently acquired some new stereomicroscopes for the Bugnon and Dorigny campus to replace the old Leica stereomicroscopes.

Before going into the details of what these new setups are capable of, it can be useful to know that the old stereomicroscopes will remain available but only as a mean to quickly check some samples as they are now stripped off of their computers. Without any acquisition device attached, these old Leica setups are also put outside of the booking system.

Now with this topic behind us, here's a short list of the features available on the new systems:

Both setups come with the following features:

- A 25:1 zoom range with a 3.15x up to 315x magnification through the eyepieces, depending on the objective used.
- 1x and 2x Plan Apo Objectives
- Stereo and Macro modes
- Illumination for both Brightfield and Fluorescence
- Motorized zoom, focus shutters and filters
- NIS Basic Research acquisition software that allows Single, Multichannel, Z-Stacks, Video, Time-Lapse and Extended Depth of Focus acquisitions (or any combination of that)
- Nikon's brand new DsRi2 color camera with a 16.25 Megapixels Full Frame CMOS sensor for ultra high image quality.

The Bugnon setup has some nice additions:

- A fully motorized stage
- An optional Polarizing attachment
- The ability to acquire both multi-position and tiled (mosaics) images.

Image done with SMZ 25 using the Extended Depth of Focus (Yannick Kremp)

If you plan to use on of this setup, please request a training to either Arnaud Paradis or Yannick Kremp.

The CIF Staff