

Fluid- and melt inclusion lab

The fluid and melt inclusion laboratory at the Department of Geosciences host two custom built Olympus BX microscopes equipped for transmitted and reflected light microscopy in the visible (VIS), infrared (IR) and ultraviolet (UV) ranges. The laboratory hosts two [Linkam THMS600](#) heating-freezing stages and a [Linkam TS1400XY](#) heating stage. These facilities, supplemented with several microscope cameras including an InGaAs IR camera, allow studies of fluid and melt inclusions in a temperature range from -180 up to +1300°C in transparent and selected opaque minerals, such as pyrite, wolframite and stibnite.

In collaboration with the Department of Physics and Technology, we operate a confocal Renishaw micro-Raman system for determination of volatiles and solid phases entrapped in fluid and melt inclusions as well as for general mineral characterization.

[Link to Raman spectrometer](#)



Photo: Kai Mortensen

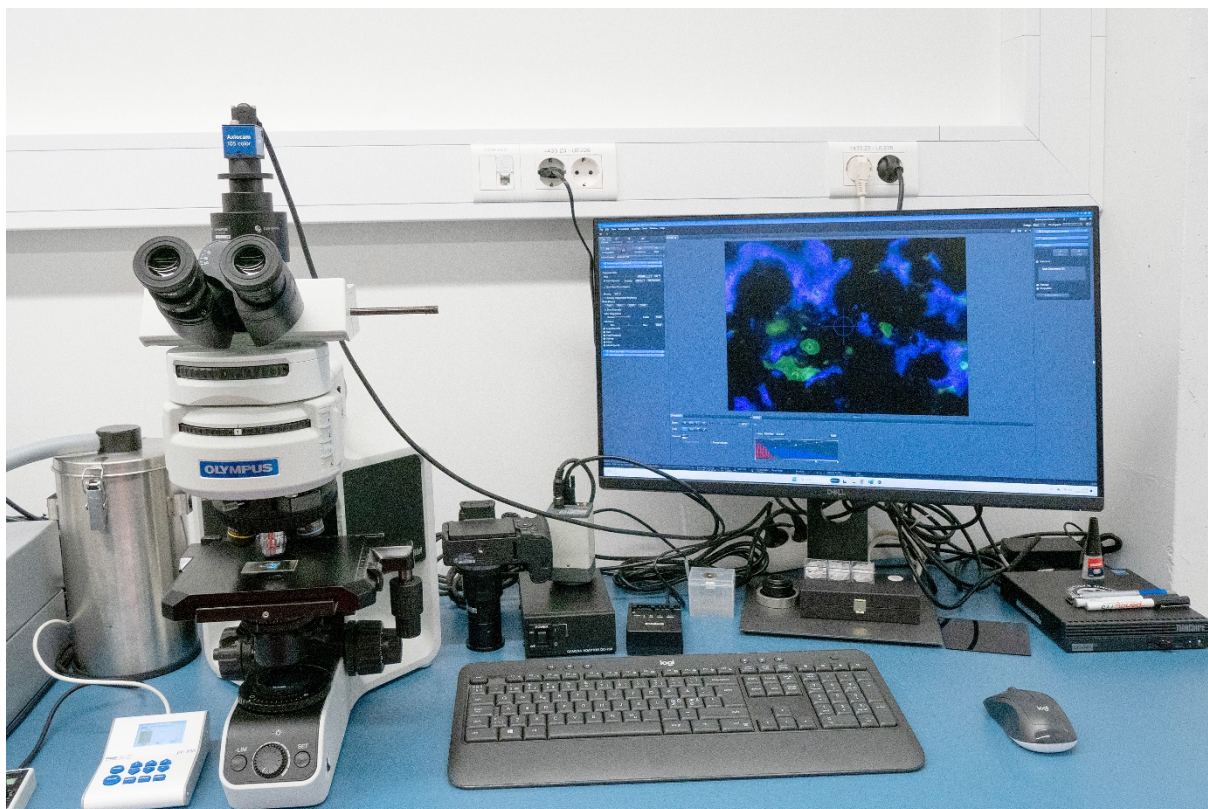


Photo: Kai Mortensen

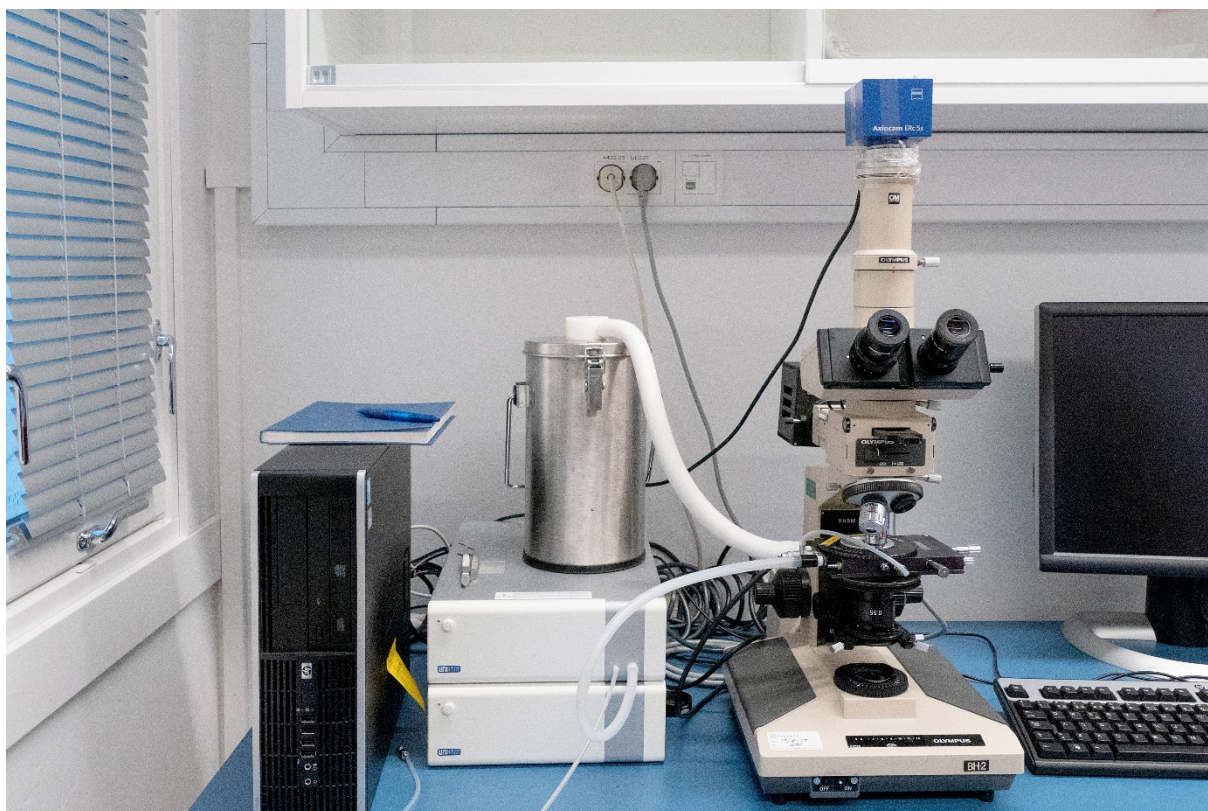


Photo: Kai Mortensen