Description

A new Horiba LabRAM HR Evolution NIR confocal Raman microscope with 4 laser sources, automated fast mapping, and a back-illuminated EMCCD detector for exquisite speed and sensitivity with diffraction-limited imaging. Ultra Low Frequency filters allow measurement of Raman shifts down to 10 wavenumbers in a variety of liquid, solid, and thin-film samples.

Configuration

- Lasers: 473nm, 532nm, 633nm, & 785nm
- ULF for 10cm-1 shifts with 532nm laser.
- Detectors: Andor Newton 970 Back-illuminated EMCCD & Horiba Synapse OE CCD
- Polarizers
- DUOSCAN and SWIFT mapping
- Olympus BX51 upright open frame microscope
- Autofocus
- Objectives: 10x, 50x, 100x, 50xLWD, 50xLCD, 60xWI, 20xMitutoyo
- Linkam THMS600 Heater/Cooler Stage (77K to 600K)
- Buk sample and cuvette adapters

Training

Users may request training.

Location

Lab: GCIS ESB18

Contact

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