

Advanced Micro/Spectroscopy Laboratory (Cornelia Hall Room C012)

This laboratory is Dr. Lee's (Chemistry) Research Laboratory.



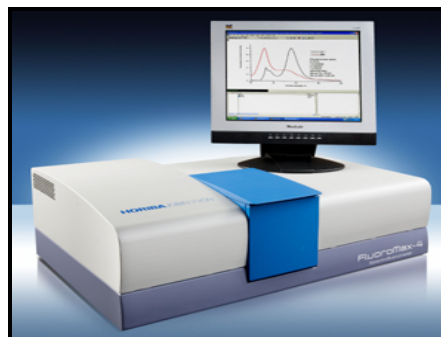
- Advanced Microscopy Laboratory consisting of: 1) Research Grade Inverted Microscope (Olympus) with 12 megapixel CCD camera (DP70) and computer, 2) two hydraulic micromanipulators with 3-D Joystick (Narishige) 3) Newport VH3048 vibration isolation workstation, 4) 50" Panasonic true High definition Plasma display (1080p) stereo projection system interfaced with microscope
- Workstation with SMART board technology, and a 3-D stereo projection system
- Advanced Computational Science Laboratory consisting of: 1) Xeon Server node: Quad Core 2.0GHz, 8GB, 3TB RAW, 1U, 2) Quad Core 2.0GHz, 2GB, 500GB Disk, Tower, 3) Workstation with SMART board technology, and a 3-D stereo projection system
- PC10 Vertical Micropipette puller (Narishige)
- MF 200 Microforge (World Precision Instrument)



Dr. Lee's research team is working on understanding and control of chemistry at the liquid-liquid interface:

1. Specific anion effect on microdroplet dissolution across surfactant monolayer
2. Effect of templates on various crystallization and polymorph
3. Visualization in a chemical education

- This room also houses fluorescence spectrometer (Fluoromax 4) for research and education.



- This room also houses FT-NMR spectrometer (Anasazi).

