



STEM WORKSHOPS

AVAILABLE K-12 OUTREACH ACTIVITIES

- Tours – Tour the four laboratories of the UIC and get a first-hand look at some of the highest quality research instrumentation in the state
- Instrument Demonstrations – Witness hands on demonstrations of instruments collecting data from your own provided specimens
- Demonstrations in your Classroom – Bring the UIC into your classroom or auditorium by connecting remotely to live instrument data collection sessions using TeamViewer® software
- Supplement Your Curriculum – Receive data collected on your provided specimens from research quality scientific instrumentation to support your current curriculum and lab practicals
- Training – Receive hands on training of major scientific instruments for yourself or your students



PAST OUTREACH ACTIVITIES

- NHSTA sponsored Microscopy Workshop – Classroom and hands on workshop offered to K-12 teachers covering the topics of general microscopy, confocal, electron and atomic force microscopy
- Remote SEM Demonstrations – Live remote demonstration of scanning electron microscope for over 300 (Grade 7-12) students in Mechanicville, NY
- Internships – Hosting multiple internships, for high schoolers and college students within the UIC and other labs on campus
- UIC Tours – Student tours in support of programs including Women in Science, Connect STEM, Tech Kid U and SAPL covering all UIC instruments or specific areas of interest



SOME OF THE UIC INSTRUMENTS

- Varian 400 and 500 Nuclear Magnetic Resonance Spectrometers
- Kratos AXIS Supra X-Ray Spectrometer
- Thermo Nicolet iS10 Fourier Transform Infrared (FT-IR) Spectrometer
- UV-VIS-NIR Spectrophotometer
- Nikon A1R-HD Confocal Microscope
- Becton-Dickinson FACSCalibur Flow Cytometer Analyzer
- Sony SH-800 Flow Cytometer Analyzer/Sorter
- Zeiss/LEO 922 Omega Transmission Electron Microscope (TEM)
- Tescan Lyra 3GMU Scanning Electron Microscope (SEM) with Focused Ion Beam