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Research Instrumentation Center (RIC)

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<https://www.chem.purdue.edu/ric/>

Department of Chemistry

BRWN 3154

The Research Instrumentation Center is a core facility that manages the shared Purdue Department of Chemistry instrumentation. Most of these 31 instruments are made available to trained users on a walkup basis. RIC also offers services performed by our expert staff, including elemental analysis by ICP-MS and CHN analyzer, as well as molecular weight confirmation by HRMS.

Instrumentation includes:

- Advion ExpressION CMS Mass Spectrometer
- Agilent 1200 High Performance Liquid Chromatograph
- Agilent Chiral Chromatograph
- Anton Parr Multiwave 7000 Microwave Digester
- Asylum Cypher Atomic Force Microscope
- Bruker Dimension Icon Atomic Force Microscope
- Bruker Electron Paramagnetic Resonance Spectrometer
- Cary UV-Vis-NIR Spectrometer
- EasyLife Fluorescence Spectrometer
- Edinburgh Instruments Fluorometer
- Exeter CE440 Elemental Analyzer
- Fullam Thermal Evaporator
- Gaertner Ellipsometer
- GeneGnome Gel Imager
- Jasco Circular Dichroism Spectrometer
- Malvern Nano-Z Zetapotential
- Olympus Fluorescence Microscope
- Perkin Elmer Differential Scanning Calorimeter
- Plasma Cleaner
- Rudolph Polarimeter
- Shimadzu Gas Chromatograph
- Shimadzu Gas Chromatograph / Mass Spectrometer
- Spin Coater
- TA Instruments SDT Q600 Differential Scanning Calorimeter / Thermogravimetric Analyzer
- Thermo Element 2 Inductively Coupled Plasma Mass Spectrometer
- Thermo Nicolet iS50 Fourier Transform Infrared and Raman Spectrometer
- Thermo Nicolet 6700 Fourier Transform Infrared Spectrometer
- Thermo Orbitrap Classic Mass Spectrometer
- Veeco Multi-Mode Atomic Force Microscope
- WiTec Atomic Force Microscope / Raman Spectrometer
- Waters Acquity Liquid Chromatograph / Mass Spectrometer