Core Instrumentation

The Spectroscopic and Analytical Instrumentation Facility provides a wide variety of spectral services to the Department of Chemistry, the University, and the greater research community. The facility serves as a resource offering both analytical and instructional expertise in spectrometric techniques and instrumentation, with the primary aim of providing investigators with hands-on training in the use, as well as ready access to the modern instrumentation necessary to achieve their research goals.

Most instrumentation is located in Bagley 083 and 083A, adjacent to the mass spec facility. Exceptions are noted on the individual pages.

Facility Manager

Loren Kruse
Bagley Hall 77
(206) 897-1684
kruse@chem.washington.edu

Available Instruments

- **UV - Visible - Near IR**
  - Agilent 8453
  - Multiskan Spectrum Microplate Reader
  - Varian Cary 5000

- **Fluorescence**
  - Horiba FL3-21tau
  - Perkin Elmer LS-55
  - Fluoroskan Ascent FL

- **Bioluminescence**
  - Forte Bio Red96e

- **Optical Rotation**
  - Jasco 720 Circular Dichroism

- **Infrared Spectroscopy**
  - Perkin-Elmer Frontier FTIR
  - KBr Pellet Press
  - Renishaw inVia Raman

- **Elemental Analysis**
  - ICP Atom Emission

- **Gel Scanners**
  - Odyssey
  - Typhoon

- **Calorimetry**
- TA Discovery DSC 2500
- EPR
  - Bruker EMXnano
  - Bruker E580
  - Bruker EMX

Department of Chemistry
University of Washington
109 Bagley Hall
Box 351700
Seattle, WA 98195-1700

Main Office: 206.543.1610
chemdesk@uw.edu

Advising: 206.616.9880
advisers@chem.washington.edu

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