## Facilities, Equipment and Other Resources - At SUNY Potsdam -

### Spectrophotometers

**Fluorescence**
- Perkin Elmer LS55 fluorescence spectrometer
- Cary Eclipse Spectrofluorimeter (Agilent Technologies)

**UV-Visible**
- Varian Cary 50 Bio UV-Vis spectrometer (Agilent Technologies)
- Hi-Tech SFA-20M (stopped-flow apparatus) interfaced to a J&M Tidas diode array spectrometer
- UV-VIS Spectrophotometer (OceanOptics) USB4000-UV-VIS Temperature-controlled cuvette
- Ocean Optics Jazz UV-VIS Spectrometer

### Infrared
- FTIR Perkin Elmer Model 1430 with Data Station

### NMR
- JEOL Eclipse+ (300MHz) FT-NMR with variable temperature probe

### Raman
- Nicolet DXR Dispersive Raman Spectrometer and Microscope (Thermo Scientific) with three lasers: 532 nm solid state laser, 633 nm He-Ne gas laser and 780 nm solid state laser, all 10 mW power.

### Chromatography

**Gas**
- Gow Mac Series 150
- Perkin Elmer Model 8410
- Gow Mac Series 350
- SRI 8610A
- Hewlett Packard 5890A TCD

**Liquid**
- Waters Delta Prep 4000 HPLC system
- Waters Model 510/440/460
- Perkin Elmer, LC-410
- The BioLogic DuoFlow Chromatography System (Biorad) with Inject. Valve, Frac. Collector, Mixer, 5mm Flow cell, Controller, Conductivity monitor

### Electrochemistry
- Princeton Polarographic Analyser Model 364-2
- PAR Potentiostat Model 273 (Physics)
- PAR Polarographic Analyser/Stripping Voltammeter Model 264A
- Cypress System Potentiostat CS-1090

### Microscopes
- Digital Instruments Nanoscope III AFM/STM
- ISI, Model SX-40 Scanning
- Phillips 66010/00W Electron Microscope

### Lasers
- Photon Technologies International PL2300 tunable Nitrogen Laser
- Photon Technologies International PL202 tunable Dye Laser
- Oriel 66021 1000 Watt Arc Lamp
- Hewlett Packard 54602B 4 Channel Oscilloscope

### Water Purification
- Millipore Elix Reverse Osmosis System
- Millipore Standard MilliQ System

### Calorimetry
- Mettler-Toledo DSC Model DSC12E Differential Scan Calorimeter
- Calorimetry Sciences Corporation (CSC) Model 4200, Isothermal Titration Calorimeter
- TA Instruments Isothermal Titration Calorimeter (NanoITC Small Volume)
- TA Instruments Nano DSC Series III System with Platinum Capillary Cell

### X-Ray Diffraction
- General Electric XRD Diano

### Shaker/Incubator
- New Brunswick Model C24 Benchtop Incubator/Shaker
- New Brunswick 12500KC incubator/Shaker: New Brunswick I24 Incubator/Shaker
Centrifuge: Beckman Coulter Allegra 64R Refrigerated High-Speed Centrifuge
Centrifuge Model 50850 Rotor (68x 50mL)

Ultra-low freezer: Ultra Low-temperature Freezer (Fisher Scientific) Revco Ultima II Chest Freezer
Liquid N2 Backup System/alarm Std. remote alarm

Shared equipment:
Atomic Absorption
Perkin Elmer 560 (Geology)
Centrifugation (others)
Dupont-Sorval RC-5B Refrigerated Superspeed Centrifuge (Biology), GSA, SA600, carbon fiber rotors (Biology), Eppendorf Mastercycler (Biology), LabconCo Purifier; Class I Safety Enclosure (Biology), DNA Analysis Apparatus/Power Supply BioRad Molecular Imager Gel Doc XR imaging system, Dupont-Sorval RC-5B, RC2-B Superspeed Refrigerated Centrifuge (Biology)

Thermocycler
BioRad C1000 Thermocycler (Chemistry)
Perkin Elmer GeneAmp PCR System 2400 (Biology)

Ultra-low Freezer
Revco -80 Celsius Freezer (Biology)

Autoclaves
American Sterilizer (Biology)

Other equipment:
Kodak EDAS Gel Documentation System
Gel Electrophoresis apparatuses
Immunoblotting apparatuses