

## 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

<u>Centrifuge</u>	Beckman Coulter Allegra 64R Refrigerated High-Speed Centrifuge Centrifuge Model 50850 Rotor (68x 50mL)
<u>Ultra-low freezer:</u>	Ultra Low-temperature Freezer (Fisher Scientific) Revco Ultima II Chest Freezer Liquid N2 Backup System/alarm Std. remote alarm
<u>Shared equipment:</u>	
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)
<u>Other equipment:</u>	Kodak EDAS Gel Documentation System Gel Electrophoresis apparatuses Immunoblotting apparatuses