

Biacore 3000 Instrument: MCW Biochemistry Department

Location: BSB 367A

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[Learn more about Biochemistry's Biacore 3000 Instrument](#)

Overview

The Biacore 3000 instrument integrates surface plasmon resonance (SPR) technology with a microfluidics system to monitor molecular interactions in real time at concentrations ranging from pM to mM. This label-free technology can detect a wide range of molecular masses from 180Da to >1000kDa. The high sensitivity and high through-put capabilities allows for the detection of drug-protein, hormone-protein, protein-protein, DNA-protein, carbohydrate-protein, and lipid-protein interactions. The ability to interface with mass spectrometers provides discovery-based research in proteomic studies.

The Biacore 3000 instrument is available to all Medical College of Wisconsin faculty and staff who have been trained and demonstrate the ability to use microfluidic-based instrumentation. Training and consultation are available on an appointment basis.

Equipment/Software	Accessibility
Biacore 3000	A training period of no less than 4 hours is required before you can work unassisted on the instrument.

Hours: By appointment

Common users of the facility: Basic research scientists

Rate: *Biacore chips and special reagents are not included in fees below.*

Type of Service	Academic Users	Industrial / Non-Academic Users
Training	\$50/hour	\$75/hour
Unassisted Use	\$12.50/hour	\$40/hour
Consultation (experimental design, data evaluation)	\$50/hour	\$75/hour