

Biomolecular NMR Facility

Location: MCW Department of Biochemistry

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[Learn more about the Biomolecular NMR Facility](#)

Overview

The NMR Facility is an interdepartmental research service unit located in the Biochemistry Department. High-field NMR spectroscopy is a powerful technique for the study of biomolecular structure and dynamics. The facility provides service for routine 1D and 2D NMR methods, and can also provide consultation and collaborative assistance with the acquisition and analysis of multidimensional, multinuclear protein NMR spectra. The facility operates two Bruker 600 MHz and one 500 MHz NMR spectrometers, each equipped with 1H/13C/15N cryoprobes for enhanced sensitivity in biomolecular applications. In addition, a Bruker 300 MHz NMR spectrometer is available for routine analytical NMR of small molecules. For some long-term projects, the facility provides training for instrument operation and data analysis to investigators and research personnel. The facility operates on a fee-for-service basis and is open to faculty of the Medical College of Wisconsin and outside researchers.

Equipment/Software	Accessibility
Two Bruker 600 MHz spectrometers with 1H/13C/15N cryoprobes	Use is available only after training
500 MHz NMR spectrometer with 1H/13C/15N cryoprobes	Use is available only after training

Hours: 24/7

Common users of the facility: Volkman Lab, Hill Lab, Dahms Lab, Sahoo Lab, Scaglione Lab, Frank Lab, Newman Lab

Rate:

- \$6/hour for trained users
- \$25/hour for assisted use