

NMR Facility contact information:

The NMR Coordinator

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or

NMR Spectroscopy specialist

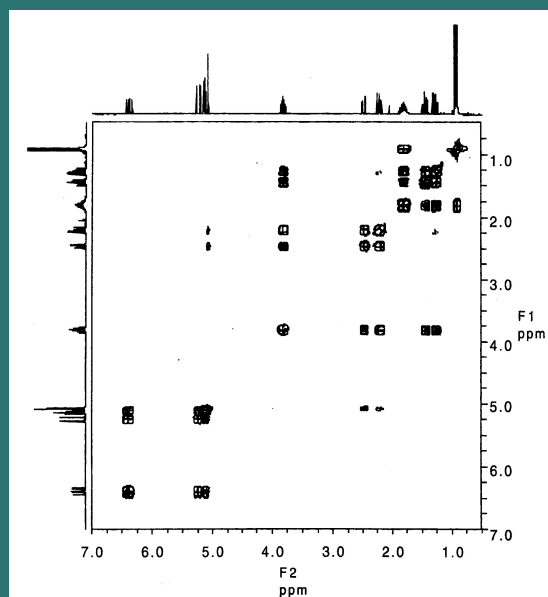
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NMR Facility webpage

<https://www.stonybrook.edu/commcms/nmr/facilities.php>



Stony Brook University NMR Facility in Chemistry

The NMR Facility is a full-service liquid state laboratory offering a broad range of state-of-the-art analytical NMR capabilities to support academic and commercial programs in chemical, biological, medical, materials, and physical sciences. We provide individual training to users who wish to run their own samples and we accept and run samples delivered with prior arrangement. The Facility is composed of four modern Bruker NMR spectrometers operating at 700 MHz, 500 MHz, 400 MHz, and 300 MHz, with high sensitivity cold probe technology available at 700 MHz and 500 MHz.

The senior Facility staff have more than 70 years combined experience in modern NMR techniques supporting both academic and commercial sector projects. We provide full training to users who wish to run their own samples and also run samples submitted by users.



Instruments and capabilities:

- 300 MHz Bruker Fourier: ^1H , ^{13}C
- 400 MHz: Bruker Nanobay: ^1H , ^{13}C , ^{19}F , and ^{31}P with $^1\text{H}/^{19}\text{F}$ decoupling and chemical shift correlation spectroscopy is supported on room temperature probes with $\pm 150^\circ\text{C}$ variable temperature VT control.
- 500 MHz: Bruker Avance III: ^1H and ^{19}F without $^1\text{H}/^{19}\text{F}$ decoupling and X nuclide spectroscopy from ^{15}N to ^{31}P is supported on a liquid N_2 chilled Prodigy Probe for insensitive samples $0\text{-}80^\circ\text{C}$ VT.
- 700 MHz: Bruker Avance III: ^1H , ^{13}C , ^{15}N , ^{31}P , and ^2H spectroscopy available on an inverse TCI Cryoprobe with enhanced ^1H and ^{13}C sensitivity to best support spectroscopy of very dilute or insensitive samples $0\text{-}80^\circ\text{C}$ VT.

Pricing:

Separate pricing tiers for four user types:

- \$14/hour for internal academic users
- \$28/ hour for external academic users
- \$84/hour for non-academic outside users who run their own samples, and
- \$140/hour for non-academic users who have Facility Staff prepare and or run their samples.