Research & Services | The Nuclear Magnetic Resonance (NMR) Laboratory (Yissum)

code: 34-2007-1821

Roy Hoffman, HUJI, Faculty of Science, The Institute of Chemistry

Categories	Nuclear magnetic resonance, NMR, multinuclear NMR

Objective/function

- The Nuclear Magnetic Resonance (NMR) Laboratory can determine the content and purity of a sample as well as its molecular structure for both known and unknown compounds. NMR spectroscopy can be used to determine molecular conformation in solution as well as studying physical properties at the molecular level such as conformational exchange, phase changes, solubility, and diffusion

Research provided

- NMR analysis
- 1D NMR
- 2D NMR
- Multinuclear NMR
- Solid state NMR in October
- Diffusion
- Dynamic processes
- Relaxation (T1, T2 and T1p)
- Isotope effects
- Liquid crystal structure
- Sample preparation
- Tutorials

Advantages

- The NMR Laboratory is staffed by highly skilled, experienced researchers utilizing state-of-the-art equipment, technologies and techniques

Client record

- The NMR Laboratory has assisted literally hundreds of researchers from all of the scientific branches of Hebrew University
- Corporate customers include
- Agan Chemicals
- Compugen
- D-Pharm
- HP-Indigo
- Teva Pharmaceuticals

Available equipment

- Two Bruker NMR spectrometers: DRX 400, and arriving in October, Avance II 500

Staff

- Roy Hoffman, PhD, MRCS, CChem, CSi
- Dmitri Gelman, PhD
- Yair Ozery, NMR Technician

Contact

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Contact for more information:

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