Research & Services | Research & Services - NMR Laboratory (Yissum)
code: 34-2007-1817
Deborah Shalev, HUJI, Faculty of Science, The Alexander Silberman Institute for Life Sciences

Categories	Nuclear magnetic resonance, NMR, spectrometry

Objective/function

- The NMR Laboratory was established to provide NMR expertise and services for academic institutions and industry

Research provided

- One and multidimensional NMR experiments that require the high-field strength of the spectrometer
- Molecular structure determination and analysis
- Two-week workshop course on using NMR to solve peptide structures

Advantages

- The NMR Laboratory has a highly skilled, knowledgeable staff using state-of-the-art technologies and equipment

Client record

Collaborations within Hebrew University

- C. Gilon, Institute of Chemistry
- A. Friedler, Institute of Chemistry
- N. Garti, Casali Institute of Applied Chemistry
- M. Kotler, Faculty of Medicine
- A. Loyter, Institute of Life Sciences
- H. Soreq, Institute of Life Sciences
- U. Wormser, Faculty of Medicine

Collaborations with other academic institutions

- E. Gazit, Tel Aviv University
- A. Mor, Technion Israel Institute of Technology

Industrial collaborations

- Peptor
- Glycominds
- Allergene

Available equipment

- Bruker Avance DMX 600 MHz NMR spectrometer with four channels and XYZ gradients. It is equipped with selective, inverse and multinuclear probes. The spectrometer has a temperature range of 0-60 degrees Celsius
- There is a sample preparation laboratory adjacent to the spectrometer room

Staff

- Deborah E. Shalev, PhD

Contact

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