

Resource Summary Report

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Dartmouth Biomedical NMR Research Center

RRID:SCR_009759

Type: Tool

Proper Citation

Dartmouth Biomedical NMR Research Center (RRID:SCR_009759)

Resource Information

URL: <http://dartmouth.eagle-i.net/i/0000012a-24fd-4370-d8a1-249280000000>

Proper Citation: Dartmouth Biomedical NMR Research Center (RRID:SCR_009759)

Description: Core facility that provides the following services: Animal in vivo MRI and MRS Service.

The Biomedical NMR Research Center belongs to the Research Division of the Department of Diagnostic Radiology. Dr. Barjor Gimi is currently Director of the MR center. The Center houses a 7T horizontal bore Varian MR scanner in Vail and a 9.4T horizontal bore Varian MR scanner in Borwell. Research at the Biomedical NMR Research Center aims to advance applications of NMR techniques for tissue characterization in health and disease. We are developing non-invasive MR techniques to reveal unexplored details of anatomy, physiology and biochemistry in vivo. We use multinuclear MR technique both in imaging and spectroscopy modes and work with several animal models to achieve the goals above. Biomedical NMR Research Center provides a wide range of in vivo MR protocols for Dartmouth College and Dartmouth-Hitchcock Medical Center scientists. These include high resolution anatomical and functional MRI scanning procedures from rodents. Localized ^1H and ^{31}P NMR spectroscopy can be acquired from several target organs to map, for instance metabolite concentrations, energy state, intracellular pH or tissue temperature.

Resource Type: access service resource, core facility, service resource

Keywords: magnetic resonance spectroscopy

Funding:

Resource Name: Dartmouth Biomedical NMR Research Center

Resource ID: SCR_009759

Alternate IDs: nlx_156220

Alternate URLs: http://med.dartmouth-hitchcock.org/biomedical_nmr.html

Record Creation Time: 20220129T080254+0000

Record Last Update: 20250412T055432+0000

Ratings and Alerts

No rating or validation information has been found for Dartmouth Biomedical NMR Research Center.

No alerts have been found for Dartmouth Biomedical NMR Research Center.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.