Resource Summary Report

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National MagLab University of Florida McKnight Brain Institute Advanced Magnetic Resonance Imaging and Spectroscopy AMRIS Core Facility

RRID:SCR_017362
Type: Tool

Proper Citation

National MagLab University of Florida McKnight Brain Institute Advanced Magnetic Resonance Imaging and Spectroscopy AMRIS Core Facility (RRID:SCR_017362)

Resource Information

URL: https://amris.mbi.ufl.edu/

Proper Citation: National MagLab University of Florida McKnight Brain Institute Advanced Magnetic Resonance Imaging and Spectroscopy AMRIS Core Facility (RRID:SCR_017362)

Description: National High Magnetic Field Laboratory (MagLab) site. It provides researchers with advanced NMR, MRI, and spectroscopy tools (human/animal imaging) for biomedical studies, specializing in high-field magnetic resonance technology. Hosts spectrometers and scanners, including high-field NMR (up to 1.5 GHz), MR microscopy, and human/animal MRI systems (e.g., 3T and 900 MHz). Offers expertise in high-resolution solution NMR, solid-state NMR, and specialized imaging for in vivo animal models and humans.Features an RF coil lab that designs, builds, and tests custom MRI/NMR coils to optimize data collection. Supports research into Alzheimer's, cancer, metabolism, and brain development.

Abbreviations: AMRIS

Synonyms: , Advanced Magnetic Resonance Imaging and Spectroscopy AMRIS Facility

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

Keywords: Nuclear Magnetic Resonance, Magnetic Resonance Imaging, spectroscopy, magnetic resonans, scanner, magnet

Funding: Department of Defense ;
Department of Energy ;
NSF DMR-1157490;
NSF DMR-1644779;

NSF DMR-2128556;
State of Florida

Availability: Restricted

Resource Name: National MagLab University of Florida McKnight Brain Institute Advanced Magnetic Resonance Imaging and Spectroscopy AMRIS Core Facility

Resource ID: SCR_017362

Alternate IDs: SCR_017363

Alternate URLs: https://nationalmaglab.org/user-facilities/nmr-mri, https://nationalmaglab.org

Record Creation Time: 20220129T080334+0000

Record Last Update: 20260905T133410+0000

Ratings and Alerts

No rating or validation information has been found for National MagLab University of Florida McKnight Brain Institute Advanced Magnetic Resonance Imaging and Spectroscopy AMRIS Core Facility.

No alerts have been found for National MagLab University of Florida McKnight Brain Institute Advanced Magnetic Resonance Imaging and Spectroscopy AMRIS Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 859 mentions in open access literature.

Listed below are recent publications. The full list is available at Kravitz .

Hung I, et al. (2025) High-Resolution 1H/17O NMR Correlation under Fast Magic-Angle Spinning: Revisiting Cross-Polarization for Quadrupolar Nuclei. The journal of physical chemistry letters, 16(27), 7036.

Wang Z, et al. (2025) Discovery of a New Phase in Thin Flakes of KV3Sb5 under Pressure. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(16), e2415012.

Aliakseyeu A, et al. (2025) Self-Diffusion of Star and Linear Polyelectrolytes in Salt-Free and Salt Solutions. Macromolecules, 58(1), 240.

Perras FA, et al. (2025) Perspectives on the Dynamic Nuclear Polarization Mechanisms of Monoradicals: Overhauser Effect or Thermal Mixing? The journal of physical chemistry letters, 16(14), 3420.

Yarava JR, et al. (2025) Proton-Detected Solid-State NMR for Deciphering Structural Polymorphism and Dynamic Heterogeneity of Cellular Carbohydrates in Pathogenic Fungi. Journal of the American Chemical Society, 147(20), 17416.

Truong E, et al. (2025) Accelerating ion transport in polycrystalline conductors: On pores and grain boundaries. Science advances, 11(20), eadt7795.

Zhao W, et al. (2025) Enriched Molecular-Level View of Saline Wetland Soil Carbon by Sensitivity-Enhanced Solid-State NMR. Journal of the American Chemical Society, 147(1), 519.

Liu Y, et al. (2025) Signatures of Floquet electronic steady states in graphene under continuous-wave mid-infrared irradiation. Nature communications, 16(1), 2057.

Moon S, et al. (2025) Magneto-optical Evidence of the Tilting Effect in Coupled Weyl Bands. Nano letters, 25(7), 2858.

Vo Q, et al. (2025) Functional connectivity within sensorimotor cortical and striatal regions is regulated by sepsis in a sex-dependent manner. NeuroImage, 305, 120995.

Oyekunle IP, et al. (2025) Li3.6In7S11.8Cl: an air- and moisture-stable superionic conductor. Chemical science, 16(23), 10372.

Peach A, et al. (2025) Capturing and labeling CO2 in a jar: mechanochemical 17O-enrichment and ssNMR study of sodium and potassium (bi)carbonate salts. Chemical science, 16(24), 10731.

Chang MC, et al. (2025) Assessing cancer therapeutic efficacy in vivo using [2H7]glucose deuterium metabolic imaging. Science advances, 11(13), eadr0568.

Li Z, et al. (2025) Observation of odd-parity superconductivity in UTe2. Proceedings of the National Academy of Sciences of the United States of America, 122(13), e2419734122.

Parmar VS, et al. (2025) Direct characterisation of mJ = ??15/2 ground state in octahedral Dy(III) single-molecule magnets. Dalton transactions (Cambridge, England : 2003), 54(19), 7616.

Cantrell AR, et al. (2025) Protocol for high-power, brain-focused microwave fixation to define rodent metabolism. STAR protocols, 6(2), 103794.

Cheng ZJ, et al. (2025) Broken symmetries associated with a Kagome chiral charge order. Nature communications, 16(1), 3782.

Abusa Y, et al. (2025) A competition between 2D and 3D magnetic orderings in novel mixed valent copper frameworks. Chemical science, 16(24), 11027.

Pravdivtsev AN, et al. (2025) Unconventional Parahydrogen-Induced Hyperpolarization Effects in Chemistry and Catalysis: From Photoreactions to Enzymes. ACS catalysis, 15(8), 6386.

Ngo DX, et al. (2025) Large Hyperfine Coupling Arising from Pseudo-2S Ground States in a Series of Lutetium(II) Metallocene Complexes. Journal of the American Chemical Society, 147(16), 13799.