

Resource Summary Report

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University of Massachusetts Amherst Human Magnetic Resonance Center hMRC Core Facility

RRID:SCR_028978

Type: Tool

Proper Citation

University of Massachusetts Amherst Human Magnetic Resonance Center hMRC Core Facility (RRID:SCR_028978)

Resource Information

URL: <https://www.umass.edu/ials/core-facilities/human-magnetic-resonance-center>

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Description: Core provides advanced 3 Tesla (3T) magnetic resonance imaging (MRI) capabilities for clinical, translational, and research applications. Facility is equipped with radiofrequency (RF) coils to support high-quality brain, body, and musculoskeletal imaging studies. MRI system features broadband multinuclear imaging and magnetic resonance spectroscopy (MRS) capabilities, enabling the investigation of tissue metabolism, physiology, and molecular pathways beyond conventional proton (1H) imaging. These advanced capabilities support a broad spectrum of research in neuroscience, metabolism, nutrition, aging, oncology, and precision medicine. Facility's 70 cm wide-bore MRI system enhances participant comfort and accessibility, making it well-suited for life-course imaging studies involving pediatric, adult, and elderly populations, as well as individuals who may benefit from a less restrictive scanning environment. Supports translational and technology-development research through the evaluation of medical devices, MRI-compatible robotic systems, and advanced materials.

Synonyms: Human Magnetic Resonance Center

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

Keywords: ABRF, imaging services, MRI, magnetic resonance imaging, multinuclear imaging, magnetic resonance spectroscopy,

Availability: Open

Resource Name: University of Massachusetts Amherst Human Magnetic Resonance Center hMRC Core Facility

Resource ID: SCR_028978

Alternate IDs: SCR_028944, ABRF_6165

Alternate URLs: <https://coremarketplace.org/?FacilityID=6165&citation=1>

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Ratings and Alerts

No rating or validation information has been found for University of Massachusetts Amherst Human Magnetic Resonance Center hMRC Core Facility.

No alerts have been found for University of Massachusetts Amherst Human Magnetic Resonance Center hMRC Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.