

Resource Summary Report

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University of Pittsburgh Advanced Imaging Center Core Facility

RRID:SCR_025139

Type: Tool

Proper Citation

University of Pittsburgh Advanced Imaging Center Core Facility (RRID:SCR_025139)

Resource Information

URL: <http://aic.pitt.edu>

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Description: Core provides instrumentation and expertise for high-field Preclinical Magnetic Resonance Imaging and Magnetic Resonance Microscopy. Facility has instruments: Bruker 9.4 Tesla/30 cm AVANCE 3 HD scanner and Bruker 11.7 Tesla 89 mm AVANCE 3 HD micro imaging system.

Abbreviations: AIC

Synonyms: UPitt-Advanced Imaging Center, University of Pittsburgh UPitt-Advanced Imaging Center

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

Keywords: ABRF, Preclinical Magnetic Resonance Imaging, Magnetic Resonance Microscopy,

Resource Name: University of Pittsburgh Advanced Imaging Center Core Facility

Resource ID: SCR_025139

Alternate IDs: ABRF_2687

Alternate URLs: <https://coremarketplace.org/?FacilityID=2687&citation=1>

Record Creation Time: 20240323T053301+0000

Record Last Update: 20260905T133451+0000

Ratings and Alerts

No rating or validation information has been found for University of Pittsburgh Advanced Imaging Center Core Facility.

No alerts have been found for University of Pittsburgh Advanced Imaging Center Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#).

Novelli EM, et al. (2026) Astrocytic frataxin deficiency drives neurocognitive impairment in sickle cell mice. PNAS nexus, 5(4), pgag106.

Hu X, et al. (2026) Heme-mediated Tau phosphorylation drives neurocognitive responses in sickle cell disease. Blood. Red cells & iron, 2(1).

Kisel A, et al. (2025) Ultra-high resolution magnetic resonance microscopy of in situ gadolinium gold nanoparticle-labeled cells in the rat brain. Chemical science, 16(27), 12421.

Capuk O, et al. (2025) Selective Deletion of NBCE1 in Reactive Astrocytes Attenuates Ischemic Stroke Brain Damage. Glia.

Liang L, et al. (2025) SpIC3D imaging for spinal in situ contrast 3D visualization. Cell reports methods, 5(10), 101202.

McCrea M, et al. (2025) Mesoscale connectivity of the human hippocampus and fimbria revealed by ex vivo diffusion MRI. NeuroImage, 310, 121125.

Cover C, et al. (2025) Awake rodent fMRI: Gradient-echo echo planar imaging versus compressed-sensing fast low-angle shot. Imaging neuroscience (Cambridge, Mass.), 3.

Versace A, et al. (2024) 11.7T Diffusion Magnetic Resonance Imaging and Tractography to Probe Human Brain Organoid Microstructure. Biological psychiatry global open science, 4(5), 100344.