Resource Summary Report

Generated by dkNET on Apr 25, 2025

Penn State Hershey College of Medicine MRI Core Facility

RRID:SCR_021198
Type: Tool

Proper Citation

Penn State Hershey College of Medicine MRI Core Facility (RRID:SCR_021198)

Resource Information

URL: https://research.med.psu.edu/core-facilities/mri/

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Description: MRI and NMR magnetic resonance imaging facility for animal and human research, providing MRI methodologies and expertise for in vivo studies Laboratory space includes biochemical, electronic and surgical suites, and fully equipped machine shop with (2) 3D printers. MRI Core facility has two MRI systems and EEG MRI-compatible system.3T Siemens PRISMA-Fit scanner equipped with True 2 Channel Tx and 64 Channel Rx. The latest RF coil set including a 64 Channel head coil and software packages with full clinical capability.7T Biospec 70/20 as small animal imaging system (Bruker Biospin, Ettlingen, Germany). Latest Hardware and Software. Avance NEO with Paravision 360. Full sensory fMRI stimulation systems:SenSaVue System for visual and auditory stimulation (Invivo Corp, FL, USA), which includes an LCD visual display, audio system, button response unit and software (E-Prime) for paradigm creation, patient management, protocol planning, precise delivery of brain stimulation, and behavioral analysis.ETT Olfactometer with full-programmable 6 independent channels for odor and trigeminal stimulation (ETT, LLC, Hershey, PA).Olfact Smell Test System (Osmic Enterprises, Inc., Cincinnati, OH) is a computerized instrument to test the smell functions of human subjects. The smell functions that can be tested are odor threshold, odor identification, and odor memory.ETT Gustatometer with full-programmable 7 independent channels for taste stimulation (ETT,LLC, Hershey, PA) Eye Link 1000 Plus system via SR Research: The EyeLink 1000 Plus Host PC performs real-time eye tracking at 250, 500,1000, or 2000 samples per second while computing true gaze position on the display viewed by the participant. The Host PC also performs on-line detection and analysis of eye-motion events such as saccades, blinks, and fixations. In addition to the sample data, these events are stored in a data file on the

Host PC. They can be sent through the Ethernet link to the Display PC with a minimal delay or output as analog signals (if the optional analog/digital I/O card is installed). From the Host PC, the operator performs participant setup, monitors their performance, and can communicate with applications running on a Display PC.

Synonyms: PSU COM-Center for Nuclear Magnetic Resonance Research (CNMRR) /MRI Core Facility

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

Keywords: USEDit, ABRF

Funding:

Availability: open

Resource Name: Penn State Hershey College of Medicine MRI Core Facility

Resource ID: SCR_021198

Alternate IDs: ABRF_1176

Alternate URLs: https://coremarketplace.org/?FacilityID=1176

Old URLs: https://med.psu.edu/core/imaging

Record Creation Time: 20220129T080354+0000

Record Last Update: 20250425T060413+0000

Ratings and Alerts

No rating or validation information has been found for Penn State Hershey College of Medicine MRI Core Facility.

No alerts have been found for Penn State Hershey College of Medicine MRI Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Stine JG, et al. (2024) AMPED study: Protocol for a randomized controlled trial of different doses of aerobic exercise training. Hepatology communications, 8(7).

Ekanayake A, et al. (2024) Monorhinal and birhinal odor processing in humans: an fMRI investigation. Chemical senses, 49.

Luck JC, et al. (2023) Agreement between multiparametric MRI (PIVOT), Doppler ultrasound, and near-infrared spectroscopy-based assessments of skeletal muscle oxygenation and perfusion. Magnetic resonance imaging, 96, 27.

Hobkirk AL, et al. (2022) Evidence from an fMRI study that dessert-flavored e-cigarettes engage taste-related, but not smoking-related, brain circuitry for female daily smokers. Experimental and clinical psychopharmacology, 30(6), 947.