

Resource Summary Report

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Center for Magnetic Resonance and Optical Imaging

RRID:SCR_001428

Type: Tool

Proper Citation

Center for Magnetic Resonance and Optical Imaging (RRID:SCR_001428)

Resource Information

URL: <https://www.med.upenn.edu/CAMIPM/>

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Description: Biomedical technology research center dedicated to the development and application of innovative, novel magnetic resonance and optical imaging techniques. The facility's core sections provide research and computing resources for numerous user, collaborative, and training projects. The focus of this resource is on developing instrumentation, methodologies, and data analysis techniques for the quantitative assessment of functional, structural, and metabolic parameters in humans with the use of multinuclear magnetic resonance, novel spectral, perfusion, functional, and optical imaging techniques. These technological developments are driven by collaboration with scientists from within and outside University of Pennsylvania, the primary institution. Specifically, the Resource is focused on the development of quantitative, noninvasive MR and optical imaging based biomarkers for studying tissue metabolism and function, with an eye towards clinical translation through early diagnosis. The Center also provides support in the development and evaluation of new therapies in a variety of diseases.

Abbreviations: CMROI

Resource Type: biomedical technology research center, training resource

Keywords: magnetic resonance imaging, optical imaging, multinuclear magnetic resonance

Funding: NIBIB P41 EB015893

Availability: Free, Freely Available

Resource Name: Center for Magnetic Resonance and Optical Imaging

Resource ID: SCR_001428

Alternate IDs: nlx_152652

Alternate URLs: <http://cmroi.med.upenn.edu/>

Record Creation Time: 20220129T080207+0000

Record Last Update: 20260808T190540+0000

Ratings and Alerts

No rating or validation information has been found for Center for Magnetic Resonance and Optical Imaging.

No alerts have been found for Center for Magnetic Resonance and Optical Imaging.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Ruohonen ST, et al. (2012) Diet-induced obesity in mice overexpressing neuropeptide y in noradrenergic neurons. International journal of peptides, 2012, 452524.