

Resource Summary Report

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Richard M. Lucas Center for Imaging

RRID:SCR_001406

Type: Tool

Proper Citation

Richard M. Lucas Center for Imaging (RRID:SCR_001406)

Resource Information

URL: <https://med.stanford.edu/lucasmri.html>

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Description: Biomedical technology research center that develops innovative technologies in five core research areas of magnetic resonance imaging and spectroscopy (MRI/MRS): # image reconstruction, fast imaging and radiofrequency (RF) pulse design methods, # R hardware development, # body imaging methods, # neuroimaging methods. # MR spectroscopy methods. In each of these areas, they capitalize on the long-standing, successful partnership and extensive experience in Stanford's Radiology and Electrical Engineering departments to improve and expand imaging technology for use in basic research and clinical care, and to provide cutting edge opportunities to the extramural community for biomedical research with MRI. Over its more than 18 years of existence, CAMRT has been motivated by and has served a wide base of extramurally sponsored collaborators and service users from leading medical and research institutions. Examples of collaborative projects are the development of real-time functional MRI biofeedback methods for neuroscience and clinical applications such as pain remediation, development of methods to mitigate metal artifacts in musculoskeletal imaging, development of novel RF pulses for many applications, and studies of breast cancer with efficient MRS methods.

Abbreviations: Lucas Center, CAMRT

Synonyms: Lucas Center for Imaging, Center for Advanced Magnetic Resonance Technology

Resource Type: training resource, biomedical technology research center

Keywords: magnetic resonance imaging, spectroscopy, x-ray imaging, ct imaging, imaging, neuroimaging

Related Condition: Brain disorder, Cancer, Stroke, Heart disease

Funding: NIBIB

Availability: Free, Freely Available

Resource Name: Richard M. Lucas Center for Imaging

Resource ID: SCR_001406

Alternate IDs: nlx_152629

Alternate URLs: <http://med.stanford.edu/rsl/about/lucas.html>

Record Creation Time: 20220129T080207+0000

Record Last Update: 20260804T043121+0000

Ratings and Alerts

No rating or validation information has been found for Richard M. Lucas Center for Imaging.

No alerts have been found for Richard M. Lucas Center for 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 [PRECISE-TBI](#) .

Ha DM, et al. (2016) Transforming growth factor-beta 1 produced by vascular smooth muscle cells predicts fibrosis in the gastrocnemius of patients with peripheral artery disease. Journal of translational medicine, 14, 39.