

# Resource Summary Report

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## National Resource for Quantitative Functional MRI

RRID:SCR\_006716

Type: Tool

### Proper Citation

National Resource for Quantitative Functional MRI (RRID:SCR\_006716)

### Resource Information

**URL:** <http://www.mri-resource.kennedykrieger.org/>

**Proper Citation:** National Resource for Quantitative Functional MRI (RRID:SCR\_006716)

**Description:** Biomedical technology research center that provides expertise for the design of quantitative magnetic resonance imaging (MRI) and spectroscopy (MRS) data acquisition and processing technologies that facilitate the biomedical research of a large community of clinicians and neuroscientists in Maryland and throughout the USA. These methods allow noninvasive assessment of changes in brain anatomy as well as in tissue metabolite levels, physiology, and brain functioning while the brain is changing size during early development and during neurodegeneration, i.e. the changing brain throughout the life span. The Kirby Center has 3 Tesla and 7 Tesla state of the art scanners equipped with parallel imaging (8, 16, and 32-channel receive coils) and multi-transmit capabilities. CIS has an IBM supercomputer that is part of a national supercomputing infrastructure. Resources fall into the following categories: \* MRI facilities, image acquisition, and processing \* Computing facilities and image analysis \* Novel statistical methods for functional brain imaging \* Translating laboratory discoveries to patient treatment

**Abbreviations:** Resource for Quantitative Functional MRI

**Synonyms:** Resource for Quantitative Functional Magnetic Resonance Imaging

**Resource Type:** biomedical technology research center, training resource

**Keywords:** quantitative magnetic resonance imaging, magnetic resonance spectroscopy, mri, fmri, function, metabolism, physiology, brain, neurodevelopment, neurodegeneration, image acquisition, image processing, computing, image analysis, statistical method, neuroimaging, development

**Funding:** NIBIB P41 EB015909;  
NCRR P41 RR015241

**Resource Name:** National Resource for Quantitative Functional MRI

**Resource ID:** SCR\_006716

**Alternate IDs:** nlx\_152634

**Old URLs:** <http://mri.kennedykrieger.org/nationalresource/index.html>

**Record Creation Time:** 20220129T080237+0000

**Record Last Update:** 20260829T183153+0000

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## Ratings and Alerts

No rating or validation information has been found for National Resource for Quantitative Functional MRI.

No alerts have been found for National Resource for Quantitative Functional MRI.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## 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](#) .

Lim IA, et al. (2013) Human brain atlas for automated region of interest selection in quantitative susceptibility mapping: application to determine iron content in deep gray matter structures. NeuroImage, 82, 449.