

Resource Summary Report

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National Alliance for Medical Image Computing

RRID:SCR_004460

Type: Tool

Proper Citation

National Alliance for Medical Image Computing (RRID:SCR_004460)

Resource Information

URL: <http://www.na-mic.org/>

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Description: The National Alliance for Medical Image Computing (NA-MIC) is a multi-institutional, interdisciplinary team of computer scientists, software engineers, and medical investigators who develop computational tools for the analysis and visualization of medical image data. The purpose of the Center is to provide the infrastructure and environment for the development of computational algorithms and open-source technologies, and then oversee the training and dissemination of these tools to the medical research community. Electronic resources provided by NA-MIC include software, data, tutorials, presentations, and more.

Abbreviations: NA-MIC, NAMIC

Resource Type: portal, data set, organization portal, narrative resource, data or information resource, training material, software resource

Defining Citation: [PMID:22081219](#), [PMID:27498015](#)

Keywords: tutorial, brain, presentation, documentation, image, medical, computational tool, imaging

Funding: NIH

Resource Name: National Alliance for Medical Image Computing

Resource ID: SCR_004460

Alternate IDs: nlx_45301

Record Creation Time: 20220129T080224+0000

Record Last Update: 20250407T215428+0000

Ratings and Alerts

No rating or validation information has been found for National Alliance for Medical Image Computing.

No alerts have been found for National Alliance for Medical Image Computing.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Liu S, et al. (2015) Multimodal neuroimaging computing: the workflows, methods, and platforms. *Brain informatics*, 2(3), 181.

Zhuge Y, et al. (2013) GPU-based relative fuzzy connectedness image segmentation. *Medical physics*, 40(1), 011903.

Irimia A, et al. (2013) The structural, connectomic and network covariance of the human brain. *NeuroImage*, 66, 489.

Irimia A, et al. (2012) Neuroimaging of structural pathology and connectomics in traumatic brain injury: Toward personalized outcome prediction. *NeuroImage. Clinical*, 1(1), 1.

Carass A, et al. (2011) Simple paradigm for extra-cerebral tissue removal: algorithm and analysis. *NeuroImage*, 56(4), 1982.

Bockholt HJ, et al. (2010) Mining the mind research network: a novel framework for exploring large scale, heterogeneous translational neuroscience research data sources. *Frontiers in neuroinformatics*, 3, 36.

MacLeod RS, et al. (2009) Subject-specific, multiscale simulation of electrophysiology: a software pipeline for image-based models and application examples. *Philosophical transactions. Series A, Mathematical, physical, and engineering sciences*, 367(1896), 2293.

Mitchen D, et al. (2009) Computational morphometry for detecting changes in brain structure due to development, aging, learning, disease and evolution. *Frontiers in neuroinformatics*, 3, 25.

Medina DA, et al. (2008) Diffusion tensor imaging investigations in Alzheimer's disease: the resurgence of white matter compromise in the cortical dysfunction of the aging brain. *Neuropsychiatric disease and treatment*, 4(4), 737.