

# Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

## GIMIAS

RRID:SCR\_009545

Type: Tool

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### Proper Citation

GIMIAS (RRID:SCR\_009545)

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### Resource Information

**URL:** <http://www.gimias.org>

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**Description:** A workflow-oriented environment focused on biomedical image computing and simulation. The open source framework is extensible through plug-ins and is focused on building research and clinical software prototypes. Gimias has been used to develop clinical prototypes in the fields of cardiac imaging and simulation, angiography imaging and simulation, and neurology.

**Abbreviations:** GIMIAS

**Synonyms:** Graphical Interface for Medical Image Analysis and Simulation

**Resource Type:** software application, software resource

**Keywords:** analyze, c++, clinical neuroinformatics, dicom, microsoft, magnetic resonance, nifti, platform, posix/unix-like, software, win32 (ms windows), windows, computing, simulation, visualization, processing, clinical

**Availability:** BSD License

**Resource Name:** GIMIAS

**Resource ID:** SCR\_009545

**Alternate IDs:** nlx\_155762

**Alternate URLs:** [http://www.nitrc.org/projects/gimias\\_fw](http://www.nitrc.org/projects/gimias_fw)

**Old URLs:** <http://www.gimias.net/>

**Record Creation Time:** 20220129T080253+0000

**Record Last Update:** 20260727T040453+0000

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## Ratings and Alerts

No rating or validation information has been found for GIMIAS.

No alerts have been found for GIMIAS.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Santos JBF, et al. (2022) Analysis of Three-Dimensional Scar Architecture and Conducting Channels by High-Resolution Contrast-Enhanced Cardiac Magnetic Resonance Imaging in Chagas Heart Disease. Revista da Sociedade Brasileira de Medicina Tropical, 55, e06882021.

Cenek M, et al. (2018) Survey of Image Processing Techniques for Brain Pathology Diagnosis: Challenges and Opportunities. Frontiers in robotics and AI, 5, 120.

Zhou Z, et al. (2018) Digital diagnosis and treatment of mandibular condylar fractures based on Extensible Neuro imaging Archive Toolkit (XNAT). PloS one, 13(2), e0192831.

Peng P, et al. (2016) A review of heart chamber segmentation for structural and functional analysis using cardiac magnetic resonance imaging. Magma (New York, N.Y.), 29(2), 155.

Lange M, et al. (2016) Protective Role of False Tendon in Subjects with Left Bundle Branch Block: A Virtual Population Study. PloS one, 11(1), e0146477.

Porras AR, et al. (2014) Pre to Intraoperative Data Fusion Framework for Multimodal Characterization of Myocardial Scar Tissue. IEEE journal of translational engineering in health and medicine, 2, 1900211.