

# Resource Summary Report

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## GLIRT

RRID:SCR\_002390

Type: Tool

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### Proper Citation

GLIRT (RRID:SCR\_002390)

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### Resource Information

**URL:** <http://www.med.unc.edu/bric/ideagroup/free-softwares/hammer>

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**Description:** Software for both groupwise registration and longitudinal registration, which are the necessary steps for many brain-related applications. Specifically, groupwise registration is important for unbiased analysis of a large set of MR brain images. Therefore, in this software package, they have included two of their recently-developed groupwise registration algorithms: 1) Improved unbiased groupwise registration guided with the sharp group-mean image, and 2) Hierarchical feature-based groupwise registration with implicit template (Groupwise-HAMMER for short). On the other hand, they also included their recently-developed groupwise longitudinal registration algorithm that aligns not only the longitudinal image sequence for each subject, but also align all longitudinal image sequences of all subjects to the common space simultaneously.

**Abbreviations:** GLIRT

**Synonyms:** Groupwise and Longitudinal Image Registration Toolbox

**Resource Type:** image analysis software, software application, software resource, registration software, data processing software

**Keywords:** analyze, application, c++, image-to-image, intersubject, linux, microsoft, motion analysis, magnetic resonance, posix/unix-like, registration, software, spatial transformation, temporal transformation, win32 (ms windows), windows

**Availability:** Free

**Resource Name:** GLIRT

**Resource ID:** SCR\_002390

**Alternate IDs:** nlx\_155763

**Alternate URLs:** <http://www.nitrc.org/projects/glirt>

**Record Creation Time:** 20220129T080213+0000

**Record Last Update:** 20260801T190206+0000

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## Ratings and Alerts

No rating or validation information has been found for GLIRT.

No alerts have been found for GLIRT.

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## Data and Source Information

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.