

# Resource Summary Report

Generated by [dkNET](#) on Aug 6, 2026

## MERMAID

RRID:SCR\_020939

Type: Tool

### Proper Citation

MERMAID (RRID:SCR\_020939)

### Resource Information

**URL:** <https://mermaid.readthedocs.io/en/latest/>

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**Description:** Registration toolbox written in pyTorch. Supports various image registration methods. Focuses on nonparametric registration approaches including stationary velocity fields and large displacement diffeomorphic metric mapping models though simple affine registration is also possible. Allows for rapid prototyping of new image registration approaches and similarity measures.

**Synonyms:** iMagE Registration via autoMATlc Differentiation

**Resource Type:** software toolkit, software resource

**Keywords:** Image registration, nonparametric registration, rapid prototyping, new image registration, bio.tools

**Availability:** Free, Available for download, Freely available

**Resource Name:** MERMAID

**Resource ID:** SCR\_020939

**Alternate IDs:** biotools:MERMAID

**Alternate URLs:** <https://github.com/uncbiag/mermaid/blob/master/docs/source/index.rst>, <https://bio.tools/MERMAID>

**Record Creation Time:** 20220129T080353+0000

**Record Last Update:** 20260803T040801+0000

### Ratings and Alerts

No rating or validation information has been found for MERMAID.

No alerts have been found for MERMAID.

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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.