

Resource Summary Report

Generated by [ASWG](#) on Aug 3, 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.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.