## **Resource Summary Report**

Generated by RRID on Apr 28, 2025

# **MERMAID**

RRID:SCR\_020939 Type: Tool

**Proper Citation** 

MERMAID (RRID:SCR\_020939)

#### **Resource Information**

URL: https://mermaid.readthedocs.io/en/latest/

Proper Citation: MERMAID (RRID:SCR\_020939)

**Description:** Registration toolbox written in pyTorch. Supports various image registration methods. Focuses on nonparametric registration approaches including stationary velocity fields and large discplacement 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

Funding:

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: 20250426T060750+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: <u>SciCrunch Registry</u>

### **Usage and Citation Metrics**

We have not found any literature mentions for this resource.