

Resource Summary Report

Generated by [ASWG](#) on Aug 3, 2026

Neurodocker

RRID:SCR_017426

Type: Tool

Proper Citation

Neurodocker (RRID:SCR_017426)

Resource Information

URL: <https://hub.docker.com/r/kaczmarj/neurodocker/>

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Description: Software tool to generate Dockerfiles and Singularity recipes for neuroimaging with simple command-line interface. Command line program that generates custom Dockerfiles and Singularity recipes for neuroimaging and minifies existing containers. Supports AFNI, ANTs, Convert3D, Dcm2niix, FreeSurfer, FSL, Matlab Compiler Runtime, MINC, Miniconda, MRtrix3, NeuroDebian, PETPVC, and SPM12.

Resource Type: software resource, software application

Keywords: Generate, Dockerfile, singularity, recipe, neuroimaging, command-line, interface, minify, container

Availability: Free, Freely available

Resource Name: Neurodocker

Resource ID: SCR_017426

Alternate URLs: <https://www.nitrc.org/projects/neurodocker/>

License: Apache License 2.0

Record Creation Time: 20220129T080335+0000

Record Last Update: 20260801T191109+0000

Ratings and Alerts

No rating or validation information has been found for Neurodocker.

No alerts have been found for Neurodocker.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Germani E, et al. (2025) Predicting Parkinson's disease trajectory using clinical and functional MRI features: A reproduction and replication study. PloS one, 20(2), e0317566.

Germani E, et al. (2025) HCP Multi-Pipeline: a derived dataset to investigate analytical variability in fMRI. Scientific data, 12(1), 940.

Halchenko YO, et al. (2024) HeuDiConv - flexible DICOM conversion into structured directory layouts. Journal of open source software, 9(99).

Queder N, et al. (2022) Joint-label fusion brain atlases for dementia research in Down syndrome. Alzheimer's & dementia (Amsterdam, Netherlands), 14(1), e12324.