Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 14, 2025

TurboReg

RRID:SCR_014308
Type: Tool

Proper Citation

TurboReg (RRID:SCR_014308)

Resource Information

URL: http://bigwww.epfl.ch/thevenaz/turboreg/

Proper Citation: TurboReg (RRID:SCR_014308)

Description: An ImageJ plugin for the automatic alignment of a source image (or a stack) to a target image. Manual, automatic, and batch alignment modes are available. Users may specify some landmarks to establish the initial correspondence between images. In automatic and batch modes, the landmarks are automatically refined to match the landmarks of the target image. After registration, the plugin creates a warped image using the final position of the source image and the target landmarks. The plugin can be called by a macro or by another plugin. Technical guidance is available on the website.

Resource Type: image processing software, software application, software resource, data processing software

Defining Citation: PMID:18267377

Keywords: image processing software, imagej, plugin, image alignment, automatic alignment, landmark

Funding:

Availability: Available for download, Freely available for research purposes, Acknowledgement requested

Resource Name: TurboReg

Resource ID: SCR_014308

Record Creation Time: 20220129T080320+0000

Record Last Update: 20250412T055756+0000

Ratings and Alerts

No rating or validation information has been found for TurboReg.

No alerts have been found for TurboReg.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 77 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Zhu MY, et al. (2025) A Neural Circuit For Bergamot Essential Oil-Induced Anxiolytic Effects. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(1), e2406766.

Randriamanantsoa SJ, et al. (2024) Coexisting mechanisms of luminogenesis in pancreatic cancer-derived organoids. iScience, 27(7), 110299.

Zhao R, et al. (2024) Identification and characterization of intermediate states in mammalian neural crest cell epithelial to mesenchymal transition and delamination. eLife, 13.

Chen C, et al. (2024) Neural circuit basis of placebo pain relief. Nature, 632(8027), 1092.

Hruska-Plochan M, et al. (2024) A model of human neural networks reveals NPTX2 pathology in ALS and FTLD. Nature, 626(8001), 1073.

Wang Z, et al. (2023) Exercise alters cortico-basal ganglia network metabolic connectivity: a mesoscopic level analysis informed by anatomic parcellation defined in the mouse brain connectome. Brain structure & function, 228(8), 1865.

Narita H, et al. (2023) N-terminal region of Drosophila melanogaster Argonaute2 forms amyloid-like aggregates. BMC biology, 21(1), 78.

Zhao R, et al. (2023) Identification and characterization of intermediate states in mammalian neural crest cell epithelial to mesenchymal transition and delamination. bioRxiv : the preprint server for biology.

Jeong I, et al. (2022) Measurement of ciliary beating and fluid flow in the zebrafish adult

telencephalon. STAR protocols, 3(3), 101542.

Chang XY, et al. (2022) In vivo neuronal and astrocytic activation in somatosensory cortex by acupuncture stimuli. Neural regeneration research, 17(11), 2526.

Blaeser AS, et al. (2022) Trigeminal afferents sense locomotion-related meningeal deformations. Cell reports, 41(7), 111648.

Long Q, et al. (2021) Protocol for detecting chromatin dynamics and screening chromatin relaxer by FRAP assay. STAR protocols, 2(3), 100706.

Fiederling F, et al. (2021) SpineRacks and SpinalJ for efficient analysis of neurons in a 3D reference atlas of the mouse spinal cord. STAR protocols, 2(4), 100897.

Wagner MJ, et al. (2021) A neural circuit state change underlying skilled movements. Cell, 184(14), 3731.

Cao P, et al. (2021) Early-life inflammation promotes depressive symptoms in adolescence via microglial engulfment of dendritic spines. Neuron, 109(16), 2573.

Motaharinia M, et al. (2021) Longitudinal functional imaging of VIP interneurons reveals sup-population specific effects of stroke that are rescued with chemogenetic therapy. Nature communications, 12(1), 6112.

Adam I, et al. (2021) One-to-one innervation of vocal muscles allows precise control of birdsong. Current biology : CB, 31(14), 3115.

Li Y, et al. (2021) Neural mechanism of spatio-chromatic opponency in the Drosophila amacrine neurons. Current biology : CB, 31(14), 3040.

Krzywkowski P, et al. (2020) Dynamic encoding of social threat and spatial context in the hypothalamus. eLife, 9.

Woertz EN, et al. (2020) Assessing Ganglion Cell Layer Topography in Human Albinism Using Optical Coherence Tomography. Investigative ophthalmology & visual science, 61(3), 36.