

Resource Summary Report

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Automatic Tractography-based Parcellation Pipeline

RRID:SCR_014815

Type: Tool

Proper Citation

Automatic Tractography-based Parcellation Pipeline (RRID:SCR_014815)

Resource Information

URL: <https://www.nitrc.org/projects/atpp>

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Description: Integrated pipeline for tractography-based brain parcellation with automatic processing and massive parallel computing. ATPP offers a CLI version for parcellating multiple brain regions and a GUI version for parcellating a specific brain region. " ATPP completely follows the scientific cultural shift to open science, which aims at making scientific research including journal papers, lab notes, data, and, of course, workflow tools, accessible and transparent to all levels of society. ATPP is publicly accessible in Neuroimaging Informatics Tools and Resources Clearinghouse8 (NITRC) (<https://www.nitrc.org/projects/atpp>). Its source codes are hosted in GitHub9 (https://github.com/haililihai/ATPP_CLI; https://github.com/haililihai/ATPP_GUI), under the GNU generic purpose license version 310 (GPLv3), and are welcome to download and fork. The Digital Object Identifiers (DOIs) providing a persistent way to make digital data easily and uniquely citable was created from Zenodo11 platform with those GitHub repositories (ATPP CLI v2.0.0, doi: <https://doi.org/10.5281/zenodo.239702>; ATPP GUI v2.0.0, doi: <https://doi.org/10.5281/zenodo.239705>). "

Abbreviations: ATPP

Synonyms: Automatic Tractography-based Parcellation Pipeline (ATPP)

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

Keywords: pipeline, integrated pipeline, tractography, brain, parcel, gui, workflow

Funding: National Natural Science Foundation of China10.13039/501100001809 911323013162010390581501179

Availability: Available for download

Resource Name: Automatic Tractography-based Parcellation Pipeline

Resource ID: SCR_014815

Alternate IDs: <https://doi.org/10.5281/zenodo.239705>,
<https://doi.org/10.5281/zenodo.239702>

Alternate URLs: https://github.com/haililihai/ATPP_CLI,
https://github.com/haililihai/ATPP_GUI

License: GNU General Public License version 3

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Ratings and Alerts

No rating or validation information has been found for Automatic Tractography-based Parcellation Pipeline.

No alerts have been found for Automatic Tractography-based Parcellation Pipeline.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Li X, et al. (2022) Project, toolkit, and database of neuroinformatics ecosystem: A summary of previous studies on "Frontiers in Neuroinformatics". Frontiers in neuroinformatics, 16, 902452.

Xia X, et al. (2019) Interspecies Differences in the Connectivity of Ventral Striatal Components Between Humans and Macaques. Frontiers in neuroscience, 13, 623.

Li H, et al. (2017) ATPP: A Pipeline for Automatic Tractography-Based Brain Parcellation. Frontiers in neuroinformatics, 11, 35.