

Resource Summary Report

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PyNWB

RRID:SCR_017452

Type: Tool

Proper Citation

PyNWB (RRID:SCR_017452)

Resource Information

URL: <https://pynwb.readthedocs.io/en/latest/>

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Description: Software Python package for working with Neurodata stored in Neurodata Without Borders files. Software providing API allowing users to read and create NWB formatted HDF5 files. Developed in support to NWB project with aim of spreading standardized data format for cellular based neurophysiology information.

Resource Type: software resource, software application

Defining Citation: [PMID:26590340](#)

Keywords: Neurodata, stored, NWB, file, share, standardized, data, format, neurophysiology, BRAIN Initiative

Funding: Kavli Foundation ;
General Electric ;
Howard Hughes Medical Institute ;
Allen Institute for Brain Science ;
NSF 0855272;
International Neuroinformatics Coordinating Facility ;
NIH BRAIN Initiative R24 MH116922

Availability: Free, Available for downloading, Freely available

Resource Name: PyNWB

Resource ID: SCR_017452

Alternate URLs: <https://github.com/NeurodataWithoutBorders/pynwb>

Old URLs: <https://github.com/AllenInstitute/nwb-api>

License: <https://github.com/NeurodataWithoutBorders/pynwb/blob/dev/license.txt>

Record Creation Time: 20220129T080335+0000

Record Last Update: 20260731T043020+0000

Ratings and Alerts

No rating or validation information has been found for PyNWB.

No alerts have been found for PyNWB.

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 [PRECISE-TBI](#) .

Kondo M, et al. (2025) Multimodal dataset linking wide-field calcium imaging to behavior changes in operant lever-pull task in mice. Scientific data, 12(1), 1264.

Papadopoulos L, et al. (2025) Modulation of metastable ensemble dynamics explains the inverted-U relationship between tone discriminability and arousal in auditory cortex. Neuron.

Pierr?? A, et al. (2024) A Perspective on Neuroscience Data Standardization with Neurodata Without Borders. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(38).

Reimer ML, et al. (2024) A FAIR, open-source virtual reality platform for dendritic spine analysis. Patterns (New York, N.Y.), 5(9), 101041.