

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 17, 2026

Retinal wave repository

RRID:SCR_010462

Type: Tool

Proper Citation

Retinal wave repository (RRID:SCR_010462)

Resource Information

URL: <http://biorxiv.org/content/early/2013/11/27/000455>

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Description: A subset of the CARMEN repository, a curated set of data and code of multielectrode array recordings of spontaneous activity in developing mouse and ferret retina. The data have been annotated with minimal metadata and converted into HDF5 (Hierarchical data format, version 5) including the essential features of the recordings, such as developmental age, and genotype. All code and tools used in the analyses are also fully available for reuse, giving the ability to regenerate each figure and table and know exactly how the results were calculated, adding confidence in the research output and allowing others to easily build upon previous work. The addition of published data to the repository is encouraged.

Abbreviations: Retinal wave repository

Synonyms: A data repository and analysis framework for spontaneous neural activity recordings in developing retina

Resource Type: data or information resource, data set

Defining Citation: [PMID:24666584](#)

Keywords: hdf5, development, neural circuit, retina, eye, multielectrode, array recording, spontaneous activity, reproducible research, retinal wave, electrophysiology, multielectrode array, developmental age, genotype

Related Condition: Developing retina, Aging

Funding: EPSRC EP/E002331/1;
BBSRC BB/H023577/1;
BBSRC BB/I000984/1;
Wellcome Trust 083205/B/07/Z

Availability: Registration required, (CARMEN), Acknowledgement required, The community can contribute to this resource

Resource Name: Retinal wave repository

Resource ID: SCR_010462

Alternate IDs: nlx_157664

Old URLs: <http://www.damtp.cam.ac.uk/user/eglen/waverepo/>

Record Creation Time: 20220129T080258+0000

Record Last Update: 20260912T200330+0000

Ratings and Alerts

No rating or validation information has been found for Retinal wave repository.

No alerts have been found for Retinal wave repository.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.