Resource Summary Report

Generated by NIF on May 15, 2025

ZebEyeTrack

RRID:SCR_021057
Type: Tool

Proper Citation

ZebEyeTrack (RRID:SCR_021057)

Resource Information

URL: http://zebeyetrack.org/

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Description: Open source software for zebrafish eye tracking and visual stimulation. Used to evoke and track zebrafish eye movement in multiple larvae.Modular software able to control multiple aspects of oculomotor experiment, from stimulus presentation and data acquisition to eye tracking and data analysis, or to simply track eyes in existing video of larval zebrafish. In both cases, eyes of up to six fish can be tracked in parallel.Users can choose to control several alternative setups and optional hardware.

Resource Type: software resource, software toolkit

Defining Citation: PMID:29988103

Keywords: Zebrafish eye tracking, visual stimulation, zebrafish eye movement, control oculomotor experiment, larval zebrafish,

Funding: Deutsche Forschungsgemeinschaft ;
Ministry of Science ;
Research ;
and the Arts of the State of Baden Württemberg

Availability: Free, Available for download, Freely available

Resource Name: ZebEyeTrack

Resource ID: SCR_021057

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Record Creation Time: 20220129T080353+0000

Record Last Update: 20250513T062121+0000

Ratings and Alerts

No rating or validation information has been found for ZebEyeTrack.

No alerts have been found for ZebEyeTrack.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Zheng N, et al. (2024) Quantum Dots-caused Retinal Degeneration in Zebrafish Regulated by Ferroptosis and Mitophagy in Retinal Pigment Epithelial Cells through Inhibiting Spliceosome. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(46), e2406343.

Dehmelt FA, et al. (2021) Spherical arena reveals optokinetic response tuning to stimulus location, size, and frequency across entire visual field of larval zebrafish. eLife, 10.