

Resource Summary Report

Generated by RRID on Aug 14, 2026

AxIS

RRID:SCR_016308

Type: Tool

Proper Citation

AxIS (RRID:SCR_016308)

Resource Information

URL: <https://www.axionbiosystems.com/products/axis-software>

Proper Citation: AxIS (RRID:SCR_016308)

Description: Software for multi electrode array recording for Axion Biosystems. Used in enhancing cardiac and neural analysis through data processing and signal monitoring.

Abbreviations: AxIS

Synonyms: Axion Integrated Studio

Resource Type: software resource, software application

Keywords: Axion BioSystems, multi, electrode, array, recording,

Availability: Commercially available

Resource Name: AxIS

Resource ID: SCR_016308

Alternate IDs: SCR_018760

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260813T055132+0000

Ratings and Alerts

No rating or validation information has been found for AxIS .

No alerts have been found for AxIS .

Data and Source Information

Usage and Citation Metrics

We found 33 mentions in open access literature.

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

O'Callaghan B, et al. (2026) Glucose concentration of neuronal media formulations influences PINK1-dependent mitophagy in human iNeurons. *Autophagy reports*, 5(1), 2685472.

Serra-Almeida C, et al. (2026) Autophagy dysfunction in iPSCs-derived neurons and midbrain organoids carrying a SNCA triplication. *NPJ Parkinson's disease*, 12(1).

Gomez-Giro G, et al. (2025) α -Synuclein Pathology Spreads in a Midbrain-Hindbrain Assembloid Model. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(20), e2409040.

Garcia MI, et al. (2025) Nonclinical Human Cardiac New Approach Methodologies (NAMs) Predict Vanoxerine-Induced Proarrhythmic Potential. *Journal of cardiovascular development and disease*, 12(8).

Adair L, et al. (2025) A multielectrode array reveals therapeutic potential of translocator protein ligands in a zebrafish model of Dravet syndrome. *The Journal of pharmacology and experimental therapeutics*, 392(7), 103614.

Geiger RM, et al. (2025) Towards human cardiac new approach methodologies (NAMs) to evaluate the combination of repolarization prolonging and shortening drugs: a pilot study. *Frontiers in drug discovery*, 5, 1679626.

Simkin D, et al. (2025) Machine Learning Resolves Functional Phenotypes and Therapeutic Responses in KCNQ2 Developmental Epileptic Encephalopathy iPSC Models. *bioRxiv : the preprint server for biology*.

Cho J, et al. (2025) Enhanced differentiation of neural progenitor cells in Alzheimer's disease into vulnerable immature neurons. *iScience*, 28(5), 112446.

Lim S, et al. (2024) Reduced connexin-43 expression, slow conduction and repolarisation dispersion in a model of hypertrophic cardiomyopathy. *Disease models & mechanisms*, 17(8).

Barmapa K, et al. (2024) Modeling early phenotypes of Parkinson's disease by age-induced midbrain-striatum assembloids. *Communications biology*, 7(1), 1561.

Fan Y, et al. (2024) The adipose-neural axis is involved in epicardial adipose tissue-related cardiac arrhythmias. *Cell reports. Medicine*, 5(5), 101559.

Dhaliwal NK, et al. (2024) Synergistic hyperactivation of both mTORC1 and mTORC2 underlies the neural abnormalities of PTEN-deficient human neurons and cortical organoids. *Cell reports*, 43(5), 114173.

Thorpe J, et al. (2023) Development of a robust induced pluripotent stem cell atrial cardiomyocyte differentiation protocol to model atrial arrhythmia. *Stem cell research & therapy*, 14(1), 183.

Sri Hari A, et al. (2023) Increasing glutathione levels by a novel posttranslational mechanism inhibits neuronal hyperexcitability. *Redox biology*, 67, 102895.

Strong CE, et al. (2023) Functional brain region-specific neural spheroids for modeling neurological diseases and therapeutics screening. *Communications biology*, 6(1), 1211.

Sarrafha L, et al. (2023) Novel human pluripotent stem cell-derived hypothalamus organoids demonstrate cellular diversity. *iScience*, 26(9), 107525.

Álvarez Z, et al. (2023) Artificial extracellular matrix scaffolds of mobile molecules enhance maturation of human stem cell-derived neurons. *Cell stem cell*, 30(2), 219.

Parra-Rivas LA, et al. (2023) Serine-129 phosphorylation of α -synuclein is an activity-dependent trigger for physiologic protein-protein interactions and synaptic function. *Neuron*, 111(24), 4006.

Kapucu FE, et al. (2022) Comparative microelectrode array data of the functional development of hPSC-derived and rat neuronal networks. *Scientific data*, 9(1), 120.

TeBay C, et al. (2022) Pathophysiological metabolic changes associated with disease modify the proarrhythmic risk profile of drugs with potential to prolong repolarisation. *British journal of pharmacology*, 179(11), 2631.