Resource Summary Report

Generated by ASWG on Aug 2, 2026

gene Expression Analysis Resource

RRID:SCR_017467
Type: Tool

Proper Citation

gene Expression Analysis Resource (RRID:SCR_017467)

Resource Information

URL: https://umgear.org/

Proper Citation: gene Expression Analysis Resource (RRID:SCR_017467)

Description: Portal for visualization and analysis of multi omic data in public and private domains. Enables upload, visualization and analysis of scRNA-seq data.

Abbreviations: gEAR

Synonyms: gene Expression Analysis Resource

Resource Type: data or information resource, portal, service resource, production service resource, software resource, analysis service resource

Keywords: Visualization, analysis, multi, omic, data, upload, scRNA-seq, BRAIN Initiative

Funding: NIMH MH114788;
NIDCD R01 DC013817;
NIMH R24 MH114815;
Hearing Health Foundation (Hearing Restoration Project)

Availability: Restricted

Resource Name: gene Expression Analysis Resource

Resource ID: SCR_017467

Record Creation Time: 20220129T080335+0000

Record Last Update: 20260801T190550+0000

Ratings and Alerts

No rating or validation information has been found for gene Expression Analysis Resource.

No alerts have been found for gene Expression Analysis Resource.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 76 mentions in open access literature.

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

Yalcouy?? A, et al. (2025) Whole-exome sequencing reveals known and candidate genes for hearing impairment in Mali. HGG advances, 6(1), 100391.

Belyantseva IA, et al. (2025) Taperin bundles F-actin at stereocilia pivot points enabling optimal lifelong mechanosensitivity. The Journal of cell biology, 224(8).

Hu SW, et al. (2025) PAM-flexible adenine base editing rescues hearing loss in a humanized MPZL2 mouse model harboring an East Asian founder mutation. Nature communications, 16(1), 7186.

Matern MS, et al. (2025) A developmental atlas of mouse vestibular-like inner ear organoids. iScience, 28(2), 111817.

Ramzan M, et al. (2025) Carboxypeptidase D deficiency causes hearing loss amenable to treatment. The Journal of clinical investigation, 135(23).

Underhill A, et al. (2025) MYO7A is required for the functional integrity of the mechanoelectrical transduction complex in hair cells of the adult cochlea. Proceedings of the National Academy of Sciences of the United States of America, 122(1), e2414707122.

Zafeer MF, et al. (2025) Human organoids for rapid validation of gene variants linked to cochlear malformations. Human genetics, 144(4), 375.

Wu F, et al. (2025) AAVR Expression is Essential for AAV Vector Transduction in Sensory Hair Cells. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(29), e2408873.

Cornejo-Sanchez DM, et al. (2025) Mendelian non-syndromic and syndromic hearing loss genes contribute to presbycusis. European journal of human genetics : EJHG, 33(6), 758.

Iyer S, et al. (2024) The BRAIN Initiative data-sharing ecosystem: Characteristics, challenges, benefits, and opportunities. eLife, 13.

Bhatt IS, et al. (2024) A genome-wide association study reveals a polygenic architecture of speech-in-noise deficits in individuals with self-reported normal hearing. Scientific

reports, 14(1), 13089.

Cepeda AP, et al. (2024) Proteomic Analysis Reveals the Composition of Glutamatergic Organelles of Auditory Inner Hair Cells. Molecular & cellular proteomics : MCP, 23(2), 100704.

Niazi A, et al. (2024) Microvilli regulate the release modes of alpha-tectorin to organize the domain-specific matrix architecture of the tectorial membrane. bioRxiv : the preprint server for biology.

Wang Y, et al. (2024) Single-cell atlas comparison across vertebrates reveals auditory cell evolution and mechanisms for hair cell regeneration. Communications biology, 7(1), 1648.

Gwilliam K, et al. (2024) A cell type-specific approach to elucidate the role of miR-96 in inner ear hair cells. Frontiers in audiology and otology, 2.

Zafeer MF, et al. (2024) Human Organoids for Rapid Validation of Gene Variants Linked to Cochlear Malformations. Research square.

Carlton AJ, et al. (2024) BAI1 localizes AMPA receptors at the cochlear afferent post-synaptic density and is essential for hearing. Cell reports, 43(4), 114025.

Polesskaya O, et al. (2024) Genome-wide association study for age-related hearing loss in CFW mice. bioRxiv : the preprint server for biology.

Gansemer BM, et al. (2024) Spiral ganglion neuron degeneration in aminoglycoside-deafened rats involves innate and adaptive immune responses not requiring complement. Frontiers in molecular neuroscience, 17, 1389816.

Chen SP, et al. (2024) A genome-wide association study identifies novel loci of vertigo in an Asian population-based cohort. Communications biology, 7(1), 1034.