Resource Summary Report

Generated by NIF on Apr 15, 2025

NeMO Analytics

RRID:SCR_018164
Type: Tool

Proper Citation

NeMO Analytics (RRID:SCR_018164)

Resource Information

URL: https://nemoanalytics.org/

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Description: Portal enabling web based visualization and analysis of multi omic data describing cell types in developing and adult brain, powered by gEAR and EpiViz. Release 1 on April 2019 includes single cell and bulk tissue RNAseq, ATACseq, and ChIPseq from fetal human prefrontal cortex, as well as from stem cell models of neural induction. Portal will expand to include multiple regions of developing and adult brain and additional analytical tools.

Synonyms: Neuroscience Multi-Omic Analytics

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

Keywords: Visualization, analysis, multi omic data, cell type, developing brain, adult brain, RNAseq, ATACseq, CHIPseq, fetal human prefrontal cortex, stem cell, neural induction, brain, data

Funding:

Availability: Free, Freely available

Resource Name: NeMO Analytics

Resource ID: SCR_018164

Alternate IDs: SCR_018244

Record Creation Time: 20220129T080339+0000

Record Last Update: 20250412T060226+0000

Ratings and Alerts

No rating or validation information has been found for NeMO Analytics.

No alerts have been found for NeMO Analytics.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Sonthalia S, et al. (2024) A Curated Compendium of Transcriptomic Data for the Exploration of Neocortical Development. bioRxiv : the preprint server for biology.

Mato-Blanco X, et al. (2024) Early Developmental Origins of Cortical Disorders Modeled in Human Neural Stem Cells. bioRxiv : the preprint server for biology.

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

Hawrylycz M, et al. (2023) A guide to the BRAIN Initiative Cell Census Network data ecosystem. PLoS biology, 21(6), e3002133.

Ament SA, et al. (2023) The Neuroscience Multi-Omic Archive: a BRAIN Initiative resource for single-cell transcriptomic and epigenomic data from the mammalian brain. Nucleic acids research, 51(D1), D1075.

Naranjo O, et al. (2023) AKT signaling modulates latent viral reservoir viability in HIV-1-infected blood-brain barrier pericytes. The Journal of biological chemistry, 300(1), 105526.

Hertzano R, et al. (2022) Advancing discovery in hearing research via biologist-friendly access to multi-omic data. Human genetics, 141(3-4), 319.

Zhu C, et al. (2021) Joint profiling of histone modifications and transcriptome in single cells from mouse brain. Nature methods, 18(3), 283.

Yao Z, et al. (2021) A transcriptomic and epigenomic cell atlas of the mouse primary motor

cortex. Nature, 598(7879), 103.

Guo C, et al. (2021) Graded heterogeneity of metabotropic signaling underlies a continuum of cell-intrinsic temporal responses in unipolar brush cells. Nature communications, 12(1), 5491.

Orvis J, et al. (2021) gEAR: Gene Expression Analysis Resource portal for community-driven, multi-omic data exploration. Nature methods, 18(8), 843.

Bakken TE, et al. (2021) Comparative cellular analysis of motor cortex in human, marmoset and mouse. Nature, 598(7879), 111.

Kancherla J, et al. (2020) Epiviz File Server: Query, transform and interactively explore data from indexed genomic files. Bioinformatics (Oxford, England), 36(18), 4682.