Resource Summary Report

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University of Alabama at Birmingham Biological Data Science Core

RRID:SCR_021766
Type: Tool

Proper Citation

University of Alabama at Birmingham Biological Data Science Core (RRID:SCR_021766)

Resource Information

URL: https://www.uab.edu/cores/ircp/bds

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Description: Core offers access to computational biology capabilities. Provide services, foster long term collaborations with UAB research community, and provide training for biomedical investigators on specific set of analysis tools and techniques.Places special emphasis in areas of genomics, transcriptomics, systems biology and translational medicine. Services include data analysis, biological interpretation, grant assistance, and training.

Abbreviations: U-BDS

Synonyms: UAB Biological Data Science Core

Resource Type: core facility, service resource, access service resource

Keywords: USEDit, ABRF, genomics, transcriptomics, systems biology, translational medicine, data analysis, biological interpretation, grant assistance, training

Funding:

Resource Name: University of Alabama at Birmingham Biological Data Science Core

Resource ID: SCR_021766

Alternate IDs: ABRF_1226

Alternate URLs: https://coremarketplace.org/?FacilityID=1226

Record Creation Time: 20220129T080357+0000

Record Last Update: 20250517T060451+0000

Ratings and Alerts

No rating or validation information has been found for University of Alabama at Birmingham Biological Data Science Core.

No alerts have been found for University of Alabama at Birmingham Biological Data Science Core.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Andraka E, et al. (2024) Chst9 marks a spatially and transcriptionally unique population of Oprm1-expressing neurons in the nucleus accumbens. Addiction neuroscience, 11.

Brida KL, et al. (2024) Reelin marks cocaine-activated striatal ensembles, promotes neuronal excitability, and regulates cocaine reward. bioRxiv : the preprint server for biology.

Bahabry R, et al. (2024) Alterations in DNA 5-hydroxymethylation patterns in the hippocampus of an experimental model of chronic epilepsy. Neurobiology of disease, 200, 106638.

Bach SV, et al. (2024) Distinct roles of Bdnf I and Bdnf IV transcript variant expression in hippocampal neurons. Hippocampus, 34(5), 218.

Soelter TM, et al. (2024) Altered glia-neuron communication in Alzheimer's Disease affects WNT, p53, and NFkB Signaling determined by snRNA-seq. Cell communication and signaling : CCS, 22(1), 317.

Girkin CA, et al. (2024) Acute ocular hypertension in the living human eye: Model description and initial cellular responses to elevated intraocular pressure. Vision research, 223, 108465.

Whitlock JH, et al. (2024) The landscape of SETBP1 gene expression and transcription factor activity across human tissues. PloS one, 19(1), e0296328.

Fisher JL, et al. (2024) Sex-biased gene expression and gene-regulatory networks of sex-biased adverse event drug targets and drug metabolism genes. BMC pharmacology & toxicology, 25(1), 5.

Phillips RA, et al. (2023) Distinct subpopulations of D1 medium spiny neurons exhibit unique transcriptional responsiveness to cocaine. bioRxiv : the preprint server for biology.

Whitlock JH, et al. (2023) The landscape of SETBP1 gene expression and transcription factor activity across human tissues. bioRxiv : the preprint server for biology.

Bach SV, et al. (2023) Distinct roles of Bdnf I and Bdnf IV transcript variant expression in hippocampal neurons. bioRxiv : the preprint server for biology.

Whitlock JH, et al. (2023) Cell-type-specific gene expression and regulation in the cerebral cortex and kidney of atypical Setbp1S858R Schinzel Giedion Syndrome mice. Journal of cellular and molecular medicine, 27(22), 3565.

Phillips RA, et al. (2023) Temporally specific gene expression and chromatin remodeling programs regulate a conserved Pdyn enhancer. eLife, 12.

Monavarian M, et al. (2023) Development of adaptive anoikis resistance promotes metastasis that can be overcome by CDK8/19 Mediator kinase inhibition. bioRxiv : the preprint server for biology.

Pandey S, et al. (2023) A single-cell transcriptome atlas of the maturing zebrafish telencephalon. Genome research, 33(4), 658.

Fisher JL, et al. (2023) Sex-biased gene expression and gene-regulatory networks of sex-biased adverse event drug targets and drug metabolism genes. bioRxiv : the preprint server for biology.

Phillips RA, et al. (2023) Temporally specific gene expression and chromatin remodeling programs regulate a conserved Pdyn enhancer. bioRxiv : the preprint server for biology.

Soelter TM, et al. (2023) Altered Glia-Neuron Communication in Alzheimer's Disease Affects WNT, p53, and NFkB Signaling Determined by snRNA-seq. bioRxiv : the preprint server for biology.

Oza VH, et al. (2023) Ten simple rules for using public biological data for your research. PLoS computational biology, 19(1), e1010749.

Bahabry R, et al. (2023) Alterations in DNA 5-hydroxymethylation Patterns in the Hippocampus of an Experimental Model of Refractory Epilepsy. bioRxiv : the preprint server for biology.