

Resource Summary Report

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[ArrayExpress](#)

RRID:SCR_002964

Type: Tool

Proper Citation

ArrayExpress (RRID:SCR_002964)

Resource Information

URL: <http://www.ebi.ac.uk/arrayexpress/>

Proper Citation: ArrayExpress (RRID:SCR_002964)

Description: International functional genomics data collection generated from microarray or next-generation sequencing (NGS) platforms. Repository of functional genomics data supporting publications. Provides genes expression data for reuse to the research community where they can be queried and downloaded. Integrated with the Gene Expression Atlas and the sequence databases at the European Bioinformatics Institute. Contains a subset of curated and re-annotated Archive data which can be queried for individual gene expression under different biological conditions across experiments. Data collected to MIAME and MINSEQE standards. Data are submitted by users or are imported directly from the NCBI Gene Expression Omnibus.

Abbreviations: ArrayExpress

Synonyms: , ArrayExpress, ArrayExpress - functional genomics data, ArrayExpress Archive

Resource Type: data repository, data or information resource, database, catalog, storage service resource, service resource

Defining Citation: [PMID:23193272](#), [PMID:21071405](#)

Keywords: gold, standard, functional, genomics, data, collection, microarray, next, generation, sequencing, NGS, repository

Funding: European Union ;
SLING 226073;
European Commission ;
Gen2Phen 200754;
NHGRI P41 HG003619

Availability: Available Public or Private, Free, Available for download, The community can contribute to this resource, Acknowledgement requested, to access private data registration required

Resource Name: ArrayExpress

Resource ID: SCR_002964

Alternate IDs: OMICS_01023, nif-0000-30123, r3d100010222

Alternate URLs: <http://www.ebi.ac.uk/microarray-as/ae>, <https://doi.org/10.17616/R3302G>

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260804T043210+0000

Ratings and Alerts

No rating or validation information has been found for ArrayExpress.

No alerts have been found for ArrayExpress.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7529 mentions in open access literature.

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

Ryu S, et al. (2026) Transcriptional regulation of neuropeptide receptors underlies context-dependent adaptation in *Drosophila melanogaster*. *FEBS open bio*, 16(1), 90.

Abplanalp WT, et al. (2026) Clonal hematopoiesis activates procalcific pathways in macrophages and promotes aortic valve stenosis. *The Journal of clinical investigation*, 136(1).

Lin J, et al. (2026) Enhancing cancer susceptibility to disulfidptosis by inducing cell cycle arrest and impairing DNA repair. *Theranostics*, 16(2), 637.

Rotem A, et al. (2026) Differentiation between regulated and disrupted growth arrests allows tailoring of effective treatments for antibiotic persistence. *Science advances*, 12(1), eadt6577.

Li H, et al. (2026) Single-cell and spatial transcriptomics reveal P4HA2-mediated radiotherapy resistance mechanisms in breast cancer. *Theranostics*, 16(5), 2192.

Silva RA, et al. (2026) The unfolded protein response in progeria arteries originates from non-endothelial cell types. *Life science alliance*, 9(2).

Pu L, et al. (2025) Avoidance of hydrogen sulfide is modulated by external and internal states in *Caenorhabditis elegans*. *eLife*, 12.

Bensberg M, et al. (2025) Exposing the DNA methylation-responsive compartment of the leukaemic genome in T-ALL cell lines support its potential as a novel therapeutic target in T-ALL. *Clinical epigenetics*, 17(1), 114.

Buermann LE, et al. (2025) CD27 Agonist Antibodies Mediate Clinical Responses through Intratumoral Stimulation in B-cell Malignancies: Multicenter RiVa Trial. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(22), 4664.

Ma T, et al. (2025) Pan-Cancer Analyses Refine the Single-Cell Portrait of Tumor-Infiltrating Dendritic Cells. *Cancer research*, 85(19), 3596.

Caruso A, et al. (2025) Adipocyte/Tumor cell crosstalk via IGF-1/TXNIP axis promotes malignancy and endocrine resistance in breast cancer. *Cell communication and signaling : CCS*, 23(1), 262.

Karathanasis N, et al. (2025) Predicting the Progression from Asymptomatic to Symptomatic Multiple Myeloma and Stage Classification Using Gene Expression Data. *Cancers*, 17(2).

Song W, et al. (2025) Abundant repressor binding sites in human enhancers are associated with the fine-tuning of gene regulation. *iScience*, 28(1), 111658.

Cao D, et al. (2025) Time-series single-cell transcriptomic profiling of luteal-phase endometrium uncovers dynamic characteristics and its dysregulation in recurrent implantation failures. *Nature communications*, 16(1), 137.

Huang H, et al. (2025) Comprehensive analyses reveal the promising value of gasdermins as prognostic biomarkers and immunotherapeutic targets in head and neck squamous cell carcinoma. *Heliyon*, 11(1), e41213.

Nwosu ZC, et al. (2025) Multidimensional analyses identify genes of high priority for pancreatic cancer research. *JCI insight*, 10(4).

Yin M, et al. (2025) sc2GWAS: a comprehensive platform linking single cell and GWAS traits of human. *Nucleic acids research*, 53(D1), D1151.

Volat F, et al. (2025) Pancreatic CAF-Derived Autotaxin Drives Autocrine CTGF Expression to Modulate Protumorigenic Signaling. *Molecular cancer therapeutics*, 24(2), 230.

Mart??n F, et al. (2025) Novel selective strategies targeting the BCL-2 family to enhance clinical efficacy in ALK-rearranged non-small cell lung cancer. *Cell death & disease*, 16(1), 194.

Huo W, et al. (2025) Modulation of the tumor immune microenvironment by Interferon Regulatory Factor 8 enhances immunotherapy in lung adenocarcinoma. *Scientific reports*, 15(1), 9565.