

Resource Summary Report

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aGEM

RRID:SCR_013349

Type: Tool

Proper Citation

aGEM (RRID:SCR_013349)

Resource Information

URL: <http://agem.cnb.csic.es/VisualOmics/aGEM/>

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Description: Database platform of an integrated view of eight databases (mouse gene expression resources: EMAGE, GXD, GENSAT, BioGPS, ABA, EUREXPRESS; human gene expression databases: HUDSEN, BioGPS and Human Protein Atlas) that allows the experimentalist to retrieve relevant statistical information relating gene expression, anatomical structure (space) and developmental stage (time). Moreover, general biological information from databases such as KEGG, OMIM and MTB is integrated too. It can be queried using gene and anatomical structure. Output information is presented in a friendly format, allowing the user to display expression maps and correlation matrices for a gene or structure during development. An in-depth study of a specific developmental stage is also possible using heatmaps that relate gene expression with anatomical components. This is a powerful tool in the gene expression field that makes easy the access to information related to the anatomical pattern of gene expression in human and mouse, so that it can complement many functional genomics studies. The platform allows the integration of gene expression data with spatial-temporal anatomic data by means of an intuitive and user friendly display.

Abbreviations: aGEM

Synonyms: anatomic Gene Expression Mapping

Resource Type: database, data or information resource

Defining Citation: [PMID:22106336](https://pubmed.ncbi.nlm.nih.gov/22106336/)

Keywords: gene, anatomy, gene expression, anatomical structure, developmental stage,

functional genomics, genomics

Funding: National Institute for Bioinformatics ;
AMIT Programme CDTI CEN-20101014;
RESOLVE UE CE:FP7-202047;
Ministerio de Ciencia e Innovacion BIO2010-16566;
Biostruct-X FP7-Infrastructures-2011-1;
Centrosoma 3D CSD2006-00023

Resource Name: aGEM

Resource ID: SCR_013349

Alternate IDs: nlx_152022

Record Creation Time: 20220129T080315+0000

Record Last Update: 20250412T055718+0000

Ratings and Alerts

No rating or validation information has been found for aGEM.

No alerts have been found for aGEM.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Schuman I, et al. (2024) Waiting for it: Anorexia Risk, Future Orientation, and Intertemporal Discounting. Research square.

Park J, et al. (2023) Posttraumatic growth and psychosocial gains from adversities of Korean special forces: a consensual qualitative research. Current psychology (New Brunswick, N.J.), 42(12), 10186.

Taylor J, et al. (2022) Tough Love-Impactful, Caring Coaching in Psychologically Unsafe Environments. Sports (Basel, Switzerland), 10(6).

Engelberg JWM, et al. (2021) The emotional canvas of human screams: patterns and acoustic cues in the perceptual categorization of a basic call type. *PeerJ*, 9, e10990.

Fecková M, et al. (2020) A Comparative Study of Different Immunoassays to Detect Specific Antibodies to *Echinococcus* Spp. in Human Sera. *Helminthologia*, 57(3), 219.

Pouw W, et al. (2019) Entrainment and Modulation of Gesture-Speech Synchrony Under Delayed Auditory Feedback. *Cognitive science*, 43(3), e12721.

Angwin AJ, et al. (2018) The impact of auditory white noise on semantic priming. *Brain and language*, 180-182, 1.

Klusek J, et al. (2018) Curvilinear Association Between Language Disfluency and FMR1 CGG Repeat Size Across the Normal, Intermediate, and Premutation Range. *Frontiers in genetics*, 9, 344.

de Beer J, et al. (2016) A new parametric model to assess delay and compression of mortality. *Population health metrics*, 14, 46.

Ayoughi S, et al. (2012) Provision of mental health services in resource-poor settings: a randomised trial comparing counselling with routine medical treatment in North Afghanistan (Mazar-e-Sharif). *BMC psychiatry*, 12, 14.

Kedzior KK, et al. (2011) Practice effects on the modified concept shifting task (mCST): a convenient assessment for treatment effects on prefrontal cognitive function. *BMC neuroscience*, 12, 101.