

Resource Summary Report

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MIAME

RRID:SCR_002349

Type: Tool

Proper Citation

MIAME (RRID:SCR_002349)

Resource Information

URL: <http://fged.org/projects/miame/>

Proper Citation: MIAME (RRID:SCR_002349)

Description: Standard specification for the Minimum Information About a Microarray Experiment that is needed to enable the interpretation of the results of the experiment unambiguously and potentially to reproduce the experiment.

Abbreviations: MIAME

Synonyms: Minimum Information About a Microarray Experiment

Resource Type: narrative resource, data or information resource, standard specification

Defining Citation: [PMID:11726920](#)

Keywords: microarray, gene expression, MDAR, FASEB list

Resource Name: MIAME

Resource ID: SCR_002349

Alternate IDs: OMICS_01785

Old URLs: <http://www.mged.org/Workgroups/MIAME/miame.html>

Record Creation Time: 20220129T080212+0000

Record Last Update: 20260728T043127+0000

Ratings and Alerts

No rating or validation information has been found for MIAME.

No alerts have been found for MIAME.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 279 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Tang S, et al. (2025) A comparative genomic study across 396 liver biopsies provides deep insight into FGF21 mode of action as a therapeutic agent in metabolic dysfunction-associated steatotic liver disease. *Clinical and translational medicine*, 15(2), e70218.

Wang S, et al. (2024) Endothelial PHD2 deficiency induces apoptosis resistance and inflammation via AKT activation and AIP1 loss independent of HIF2?. *American journal of physiology. Lung cellular and molecular physiology*, 327(4), L503.

Furukawa K, et al. (2024) Role of ABCB1 and ABCB4 in renal and biliary excretion of perfluorooctanoic acid in mice. *Environmental health and preventive medicine*, 29, 21.

Brancato V, et al. (2024) Standardizing digital biobanks: integrating imaging, genomic, and clinical data for precision medicine. *Journal of translational medicine*, 22(1), 136.

Musen MA, et al. (2022) Modeling community standards for metadata as templates makes data FAIR. *Scientific data*, 9(1), 696.

Hippen AA, et al. (2021) Expanding and Remixing the Metadata Landscape. *Trends in cancer*, 7(4), 276.

Zhu H, et al. (2021) MicroRNA biomarkers of type 2 diabetes: A protocol for corroborating evidence by computational genomics and meta-analyses. *PLoS one*, 16(4), e0247556.

Seddiki N, et al. (2021) CD73+ CD127high Long-Term Memory CD4 T Cells Are Highly Proliferative in Response to Recall Antigens and Are Early Targets in HIV-1 Infection. *International journal of molecular sciences*, 22(2).

Paponov IA, et al. (2021) Differential root and shoot magnetoresponses in *Arabidopsis thaliana*. *Scientific reports*, 11(1), 9195.

Huang SW, et al. (2021) A Novel Multiprotein Bridging Factor 1-Like Protein Induces Cyst Wall Protein Gene Expression and Cyst Differentiation in *Giardia lamblia*. *International journal of molecular sciences*, 22(3).

Takagi T, et al. (2020) Dietary Intake of Carotenoid-Rich Vegetables Reduces Visceral Adiposity in Obese Japanese men-A Randomized, Double-Blind Trial. *Nutrients*, 12(8).

Taneera J, et al. (2020) Orphan G-protein coupled receptor 183 (GPR183) potentiates insulin secretion and prevents glucotoxicity-induced β -cell dysfunction. *Molecular and*

cellular endocrinology, 499, 110592.

Sun CH, et al. (2020) DNA topoisomerase III γ promotes cyst generation by inducing cyst wall protein gene expression in *Giardia lamblia*. *Open biology*, 10(2), 190228.

Boldt ABW, et al. (2019) The blood transcriptome of childhood malaria. *EBioMedicine*, 40, 614.

Otto GW, et al. (2019) Conserved properties of genetic architecture of renal and fat transcriptomes in rat models of insulin resistance. *Disease models & mechanisms*, 12(7).

Klemens J, et al. (2019) Neurotoxic potential of reactive astrocytes in canine distemper demyelinating leukoencephalitis. *Scientific reports*, 9(1), 11689.

Pokrywczynska M, et al. (2019) Mesenchymal stromal cells modulate the molecular pattern of healing process in tissue-engineered urinary bladder: the microarray data. *Stem cell research & therapy*, 10(1), 176.

Attig F, et al. (2019) Reactive Oxygen Species Are Key Mediators of Demyelination in Canine Distemper Leukoencephalitis but not in Theiler's Murine Encephalomyelitis. *International journal of molecular sciences*, 20(13).

Malatras A, et al. (2019) Muscle Gene Sets: a versatile methodological aid to functional genomics in the neuromuscular field. *Skeletal muscle*, 9(1), 10.

Re Cecconi AD, et al. (2019) Musclin, A Myokine Induced by Aerobic Exercise, Retards Muscle Atrophy During Cancer Cachexia in Mice. *Cancers*, 11(10).