Resource Summary Report

Generated by dkNET on Apr 14, 2025

GAIA

RRID:SCR_009182
Type: Tool

Proper Citation

GAIA (RRID:SCR_009182)

Resource Information

URL: http://gump.qimr.edu.au/GAIA/gaia.html

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Description: Web-based application for testing for locus-locus interaction using genetic association. It is based upon the case-control study design and is designed so that non-specialists may routinely apply tests for interaction. GAIA allows simple testing of both additive and additive plus dominance interaction models and includes permutation testing to appropriately correct for multiple testing. The application is useful for both candidate gene based studies and genome-wide association studies. For large scale studies GAIA includes a screening approach which prioritizes loci for further interaction analysis. (entry from Genetic Analysis Software)

Abbreviations: GAIA

Synonyms: Genetic Association Interaction Analysis

Resource Type: software application, software resource

Defining Citation: DOI:10.1186/1471-2350-7-34

Keywords: gene, genetic, genomic, perl, r, web-based

Funding:

Resource Name: GAIA

Resource ID: SCR_009182

Alternate IDs: nlx_154320

Old URLs: http://www.bbu.cf.ac.uk/html/research/biostats.htm

Record Creation Time: 20220129T080251+0000

Record Last Update: 20250412T055352+0000

Ratings and Alerts

No rating or validation information has been found for GAIA.

No alerts have been found for GAIA.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 154 mentions in open access literature.

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

Puchalski K, et al. (2025) Effects of Echinacea purpurea and Alkylamides on Respiratory Virus Replication and IL-8 Expression In Vitro. Molecules (Basel, Switzerland), 30(2).

Yu H, et al. (2025) Dynamic urban morphology mapping in Chinese cities based on local climate zone approach. Scientific data, 12(1), 181.

Tozzi M, et al. (2025) E. Coli cytotoxic necrotizing factor-1 promotes colorectal carcinogenesis by causing oxidative stress, DNA damage and intestinal permeability alteration. Journal of experimental & clinical cancer research : CR, 44(1), 29.

Sullivan A, et al. (2025) 20 years of the Bio-Analytic Resource for Plant Biology. Nucleic acids research, 53(D1), D1576.

Lee Y, et al. (2025) Enhanced high-energy proton radiation hardness of ZnO thin-film transistors with a passivation layer. Nano convergence, 12(1), 7.

Klemun MM, et al. (2024) Approach for characterizing technology- and infrastructure-induced linkages between sustainable development goals. STAR protocols, 5(1), 102639.

Coradduzza E, et al. (2024) Passive Surveillance as a Key Tool for African Swine Fever Eradication in Wild Boar: A Protocol to Find Carcasses Tested and Validated in the Mediterranean Island of Sardinia. Viruses, 16(1).

Halayem S, et al. (2024) GAIA therapeutic farm: Prospective study on multidisciplinary care efficacy. La Tunisie medicale, 102(10), 622.

Chen TY, et al. (2024) Human transporter de-oligomerization regulates copper uptake into cells. Research square.

Liu Z, et al. (2024) Global urban and rural settlement dataset from 2000 to 2020. Scientific data, 11(1), 1359.

Yang L, et al. (2024) Urban development pattern's influence on extreme rainfall occurrences. Nature communications, 15(1), 3997.

Campbell T, et al. (2024) Stingray Sensor System for Persistent Survey of the GEO Belt. Sensors (Basel, Switzerland), 24(8).

Mazuel M, et al. (2024) Systematic culture of central catheters and infections related to catheters in a neonatal intensive care unit: an observational study. Scientific reports, 14(1), 8647.

Ciapponi A, et al. (2024) Safety and Effectiveness of COVID-19 Vaccines During Pregnancy: A Living Systematic Review and Meta-analysis. Drug safety, 47(10), 991.

Cartiglia M, et al. (2024) A 4096 channel event-based multielectrode array with asynchronous outputs compatible with neuromorphic processors. Nature communications, 15(1), 7163.

Castillo-Mendieta K, et al. (2024) Peptide hemolytic activity analysis using visual data mining of similarity-based complex networks. NPJ systems biology and applications, 10(1), 115.

Gupta AF, et al. (2024) A hot-Jupiter progenitor on a super-eccentric retrograde orbit. Nature, 632(8023), 50.

Villani A, et al. (2024) A powerful machine learning approach to identify interactions of differentially abundant gut microbial subsets in patients with metastatic and non-metastatic pancreatic cancer. Gut microbes, 16(1), 2375483.

Betz LT, et al. (2024) Efficacy of a cognitive-behavioral digital therapeutic on psychosocial outcomes in rheumatoid arthritis: randomized controlled trial. Npj mental health research, 3(1), 41.

Fernandez-Muñoz JM, et al. (2024) Mutational landscape of HSP family on human breast cancer. Scientific reports, 14(1), 12471.