

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

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), THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: GAIA

Synonyms: Genetic Association Interaction Analysis

Resource Type: software application, software resource

Defining Citation: [DOI:10.1186/1471-2350-7-34](https://doi.org/10.1186/1471-2350-7-34)

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

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

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: 20260829T183055+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 182 mentions in open access literature.

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

Bosso L, et al. (2025) GIS-based integration of marine data for assessment and management of a highly anthropized coastal area. Scientific reports, 15(1), 16200.

Liu X, et al. (2025) Projections of Heat-Related Mortality in Chinese Cities: The Roles of Climate Change, Urbanization, Socioeconomic Adaptation, and Landscape-Level Strategies. Environmental health perspectives, 133(6), 67011.

Dabbou S, et al. (2025) Impact of live black soldier fly larvae supplementation on laying hen performance, stress levels and excreta microbiota. Poultry science, 104(9), 105418.

Maksym KM, et al. (2025) Development of lactation and breast/chestfeeding adverse event terminology (LaBAET) through a Delphi consensus approach. International breastfeeding journal, 20(1), 53.

Broquet A, et al. (2025) Glacial isostatic adjustment reveals Mars's interior viscosity structure. Nature, 639(8053), 109.

Zhang Y, et al. (2025) CMAB: A Multi-Attribute Building Dataset of China. Scientific data, 12(1), 430.

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

Berrueta M, et al. (2025) Safety, immunogenicity, and effectiveness of chikungunya vaccines in pregnant persons, children, and adolescents: a protocol for a living systematic review and meta-analysis. Reproductive health, 22(1), 56.

Huang K, et al. (2025) Declining urban density attenuates rising population exposure to surface heat extremes. Scientific reports, 15(1), 13860.

Daniels J, et al. (2025) Routine testing for group B streptococcus in pregnancy: protocol for a UK cluster randomised trial (GBS3). *BMJ open*, 15(6), e087887.

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).

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.

Loane M, et al. (2025) Recommendations for Improving Surveillance of Congenital Anomalies in Europe Using Healthcare Databases. *Paediatric and perinatal epidemiology*, 39(3), 277.

Jha N, et al. (2025) Gaia: An AI-enabled genomic context-aware platform for protein sequence annotation. *Science advances*, 11(25), eadv5109.

Cheng Y, et al. (2025) A large language model for advanced power dispatch. *Scientific reports*, 15(1), 8925.

Ballivian J, et al. (2025) Safety, immunogenicity, efficacy, and effectiveness of Lassa fever vaccines in pregnant persons, children, and adolescents: a protocol for a living systematic review and meta-analysis. *Reproductive health*, 22(1), 53.

Sun T, et al. (2025) Potential impact of the Sagittarius dwarf galaxy on the formation of young O-rich stars. *Nature communications*, 16(1), 1581.

Colquhoun DA, et al. (2025) Environmental and patient safety outcomes of a health-system Green Anesthesia Initiative (GAIA): a retrospective observational cohort study. *The Lancet. Planetary health*, 9(2), e124.

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.

Yang MJ, et al. (2025) Biophysical investigation of the molecular interaction between minichromosome maintenance protein 6 and Bloom syndrome helicase. *The FEBS journal*, 292(12), 3151.