

Resource Summary Report

Generated by NIF on Apr 27, 2025

GERON

RRID:SCR_008531

Type: Tool

Proper Citation

GERON (RRID:SCR_008531)

Resource Information

URL: <http://neurogenetics.nia.nih.gov>

Proper Citation: GERON (RRID:SCR_008531)

Description: A suite of web-based open source software programs for clinical and genetic study. The aims of this software development in the Laboratory of Neurogenetics, NIA, NIH are * Build retrievable clinical data repository * Set up genetic data bank * Eliminate redundant data entries * Alleviate experimental error due to sample mix-up and genotyping error. * Facilitate clinical and genetic data integration. * Automate data analysis pipelines * Facilitate data mining for genetic as well as environmental factors associated with a disease * Provide an uniformed data acquisition framework, regardless the type of a given disease * Accommodate the heterogeneity of different studies * Manage data flow, storage and access * Ensure patient privacy and data confidentiality/security. The GERON suite consists of several self contained and yet extensible modules. Currently implemented modules are GERON Clinical, Genotyping, and Tracking. More modules are planned to be added into the suite, in order to keep up with the dynamics of the research field. Each module can be used separately or together with others into a seamless pipeline. With each module special attention has been given in order to remain free and open to the academic/government user.

Abbreviations: GERON

Resource Type: software toolkit, software resource

Keywords: clinical, genotyping, tracking, genetic, module, pipeline

Related Condition: Aging

Funding: NIA

Availability: Open unspecified license

Resource Name: GERON

Resource ID: SCR_008531

Alternate IDs: nif-0000-30610

Record Creation Time: 20220129T080247+0000

Record Last Update: 20250426T060034+0000

Ratings and Alerts

No rating or validation information has been found for GERON.

No alerts have been found for GERON.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Fischer-Mertens J, et al. (2022) Telomerase-targeting compounds Imetelstat and 6-thio-dG act synergistically with chemotherapy in high-risk neuroblastoma models. Cellular oncology (Dordrecht), 45(5), 991.

Nalls MA, et al. (2009) Measures of autozygosity in decline: globalization, urbanization, and its implications for medical genetics. PLoS genetics, 5(3), e1000415.

Abdul Kadir SH, et al. (2009) Embryonic stem cell-derived cardiomyocytes as a model to study fetal arrhythmia related to maternal disease. Journal of cellular and molecular medicine, 13(9B), 3730.

Gibbs JR, et al. (2006) Application of genome-wide single nucleotide polymorphism typing: simple association and beyond. PLoS genetics, 2(10), e150.