Resource Summary Report

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Epilepsy Genetic Association Database

RRID:SCR_006840
Type: Tool

Proper Citation

Epilepsy Genetic Association Database (RRID:SCR_006840)

Resource Information

URL: http://www.epilepsygenes.org/page/show/homepage

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Description: The Epilepsy Genetic Association Database (epiGAD) is an online repository of data relating to genetic association studies in the field of epilepsy. It summarizes the results of both published and unpublished studies, and is intended as a tool for researchers in the field to keep abreast of recent studies, providing a bird''s eye view of this research area. The goal of epiGAD is to collate all association studies in epilepsy in order to help researchers in this area identify all the available gene-disease associations. Finally, by including unpublished studies, it hopes to reduce the problem of publication bias and provide more accurate data for future meta-analyses. It is also hoped that epiGAD will foster collaboration between the different epilepsy genetics groups around the world, and faciliate formation of a network of investigators in epilepsy genetics. There are 4 databases within epiGAD: - the susceptibility genes database - the epilepsy pharmacogenetics database - the meta-analysis database - the genome-wide association studies (GWAS) database The susceptibility genes database compiles all studies related to putative epilepsy susceptibility genes (eg. interleukin-1-beta in TLE), while the pharmacogenetics studies in epilepsy (eg. ABCB1 studies) are stored in ''phamacogenetics''. The meta-analysis database compiles all existing published epilepsy genetic meta-analyses, whether for susceptibility genes, or pharmacogenetics. The GWAS database is currently empty, but will be filled once GWAS are published. Sponsors: The epiGAD website is supported by the ILAE Genetics Commission.

Synonyms: epiGAD

Resource Type: data or information resource, database

Keywords: epilepsy, gene, genome, genetic, bias, disease, interleukin-1-beta, meta-analysis, pharmacogenetic, pharmacogenetics, published, repository, research, researcher, studies, study, temporal lobe epilepsy (tle), tool, unpublished

Resource Name: Epilepsy Genetic Association Database

Resource ID: SCR_006840

Alternate IDs: nif-0000-10221

Record Creation Time: 20220129T080238+0000

Record Last Update: 20260912T200144+0000

Ratings and Alerts

No rating or validation information has been found for Epilepsy Genetic Association Database.

No alerts have been found for Epilepsy Genetic Association Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Weng Y, et al. (2026) Decoding epilepsy's molecular blueprint: Machine learning unravels transcriptomic subtypes and regulatory networks. Epilepsia, 67(6), 3211.

Gracie L, et al. (2022) The Seizure-Associated Genes Across Species (SAGAS) database offers insights into epilepsy genes, pathways and treatments. Epilepsia, 63(9), 2403.

Guo H, et al. (2022) Quantifying concordant genetic effects of de novo mutations on multiple disorders. eLife, 11.

Brennan GP, et al. (2020) Genome-wide microRNA profiling of plasma from three different animal models identifies biomarkers of temporal lobe epilepsy. Neurobiology of disease, 144, 105048.

Ivanov R, et al. (2019) Reconstruction and Analysis of Gene Networks of Human Neurotransmitter Systems Reveal Genes with Contentious Manifestation for Anxiety, Depression, and Intellectual Disabilities. Genes, 10(9).

Santos BPD, et al. (2017) Genetic susceptibility in Juvenile Myoclonic Epilepsy: Systematic review of genetic association studies. PloS one, 12(6), e0179629.