Resource Summary Report

Generated by dkNET on May 21, 2025

CircaDB

RRID:SCR_018078
Type: Tool

Proper Citation

CircaDB (RRID:SCR_018078)

Resource Information

URL: http://circadb.hogeneschlab.org/

Proper Citation: CircaDB (RRID:SCR_018078)

Description: Database of mammalian circadian gene expression profiles. Works with link outs to Wikipedia, HomoloGene, Refseq, etc.. Open source database of circadian transcriptional profiles from time course expression experiments from mice and humans.

Abbreviations: CircaDB

Synonyms: Circadian gene expression profiles DataBase

Resource Type: data or information resource, data access protocol, web service, database, software resource

Defining Citation: PMID:23180795

Keywords: Mammalian circadian gene, gene expression, expression profile, mice, human, gene annotation, data, time course expression data

Funding:

Availability: Free, Freely available

Resource Name: CircaDB

Resource ID: SCR_018078

Alternate URLs: http://github.com/itmat/circadb

License: GNU General Public License v2.0

Record Creation Time: 20220129T080338+0000

Record Last Update: 20250521T061738+0000

Ratings and Alerts

No rating or validation information has been found for CircaDB.

No alerts have been found for CircaDB.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Ishikawa H, et al. (2025) Effects of aging on diurnal transcriptome change in the mouse corpus callosum. iScience, 28(1), 111556.

Bhatnagar A, et al. (2024) Integrated bioinformatics and interaction analysis to advance chronotherapies for mental disorders. Frontiers in pharmacology, 15, 1444342.

Ryu JE, et al. (2024) Circadian regulation of endoplasmic reticulum calcium response in cultured mouse astrocytes. eLife, 13.

Granados-Fuentes D, et al. (2024) GABAA receptor subunit composition regulates circadian rhythms in rest-wake and synchrony among cells in the suprachiasmatic nucleus. Proceedings of the National Academy of Sciences of the United States of America, 121(31), e2400339121.

Swanson GR, et al. (2023) Impact of Chronotherapy on 6-Mercaptopurine Metabolites in Inflammatory Bowel Disease: A Pilot Crossover Trial. Clinical and translational gastroenterology, 14(2), e00549.

Hermanstyne TO, et al. (2023) Kv12-encoded K+ channels drive the day-night switch in the repetitive firing rates of SCN neurons. The Journal of general physiology, 155(9).

Wang B, et al. (2023) A crucial role for dynamic expression of components encoding the negative arm of the circadian clock. Nature communications, 14(1), 3371.

Malik A, et al. (2023) Using bioluminescence to image gene expression and spontaneous behavior in freely moving mice. PloS one, 18(1), e0279875.

Hermanstyne TO, et al. (2023) Kv12-Encoded K + Channels Drive the Day-Night Switch in the Repetitive Firing Rates of SCN Neurons. bioRxiv : the preprint server for biology.

Abo SMC, et al. (2021) Modeling the circadian regulation of the immune system: Sexually dimorphic effects of shift work. PLoS computational biology, 17(3), e1008514.

Giri A, et al. (2021) COVID-19: Sleep, Circadian Rhythms and Immunity - Repurposing Drugs and Chronotherapeutics for SARS-CoV-2. Frontiers in neuroscience, 15, 674204.

Acosta-Rodríguez VA, et al. (2021) Importance of circadian timing for aging and longevity. Nature communications, 12(1), 2862.

Wang Q, et al. (2021) Molecular clock REV-ERB? regulates cigarette smoke-induced pulmonary inflammation and epithelial-mesenchymal transition. JCI insight, 6(12).

Ding G, et al. (2021) REV-ERB in GABAergic neurons controls diurnal hepatic insulin sensitivity. Nature, 592(7856), 763.

Le-Niculescu H, et al. (2021) Precision medicine for mood disorders: objective assessment, risk prediction, pharmacogenomics, and repurposed drugs. Molecular psychiatry, 26(7), 2776.

Qu M, et al. (2021) HNF4A defines tissue-specific circadian rhythms by beaconing BMAL1::CLOCK chromatin binding and shaping the rhythmic chromatin landscape. Nature communications, 12(1), 6350.

Ray S, et al. (2020) COVID-19 management in light of the circadian clock. Nature reviews. Molecular cell biology, 21(9), 494.

Hesse J, et al. (2020) An Optimal Time for Treatment-Predicting Circadian Time by Machine Learning and Mathematical Modelling. Cancers, 12(11).

Ullah K, et al. (2020) The E3 ubiquitin ligase STUB1 attenuates cell senescence by promoting the ubiquitination and degradation of the core circadian regulator BMAL1. The Journal of biological chemistry, 295(14), 4696.