

Resource Summary Report

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NIDA center for genetic studies of drug abuse in outbred rats

RRID:SCR_021788

Type: Tool

Proper Citation

NIDA center for genetic studies of drug abuse in outbred rats (RRID:SCR_021788)

Resource Information

URL: <https://ratgenes.org/>

Proper Citation: NIDA center for genetic studies of drug abuse in outbred rats (RRID:SCR_021788)

Description: Portal includes information about genetic studies of drug abuse in outbred rats. Data center created in 2014 to perform genome wide association studies on numerous behavioral traits that have well established relevance to drug abuse using outbred rats.

Synonyms: NIDA center for GWAS in outbred rats, Genes and Addiction NIDA center for GWAS in outbred rats

Resource Type: data or information resource, disease-related portal, portal, topical portal

Keywords: genome wide association studies, outbred rats, genetic studies, drug abuse, behavioral traits

Related Condition: addiction

Funding: NIDA P50 DA037844

Availability: Free, Freely available

Resource Name: NIDA center for genetic studies of drug abuse in outbred rats

Resource ID: SCR_021788

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260821T194205+0000

Ratings and Alerts

No rating or validation information has been found for NIDA center for genetic studies of drug abuse in outbred rats.

No alerts have been found for NIDA center for genetic studies of drug abuse in outbred rats.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Santhanam N, et al. (2025) RatXcan: A framework for cross-species integration of genome-wide association and gene expression data. PLoS genetics, 21(3), e1011583.

Delorme TC, et al. (2025) Sex-specific transcriptional signatures of oxycodone persist during withdrawal and abstinence in the suprachiasmatic nucleus of heterogeneous stock rats. Addiction neuroscience, 17.

Okamoto F, et al. (2024) Y and mitochondrial chromosomes in the heterogeneous stock rat population. G3 (Bethesda, Md.), 14(11).

Wright SN, et al. (2023) Genome-wide association studies of human and rat BMI converge on synapse, epigenome, and hormone signaling networks. Cell reports, 42(8), 112873.

Okamoto F, et al. (2023) Y and Mitochondrial Chromosomes in the Heterogeneous Stock Rat Population. bioRxiv : the preprint server for biology.

Duttke SH, et al. (2022) Glucocorticoid Receptor-Regulated Enhancers Play a Central Role in the Gene Regulatory Networks Underlying Drug Addiction. Frontiers in neuroscience, 16, 858427.

Fernández-Castillo N, et al. (2022) Molecular genetics of cocaine use disorders in humans. Molecular psychiatry, 27(1), 624.

Zinski AL, et al. (2021) Genome-to-phenome research in rats: progress and perspectives. International journal of biological sciences, 17(1), 119.