

Resource Summary Report

Generated by PRECISE-TBI on Aug 1, 2026

Rat Resource and Research Center

RRID:SCR_002044

Type: Tool

Proper Citation

Rat Resource and Research Center (RRID:SCR_002044)

Resource Information

URL: <http://www.rrrc.us/>

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Description: Supplies biomedical investigators with rat models, embryonic stem cells, related reagents, and protocols they require for their research. In addition to repository, cryostorage and distribution functions, RRRC can facilitate acquisition of rat strains from other international repositories as well as provide consultation and technical training to investigators using rat models.

Abbreviations: NRRRC, RRRC, NCRR RRRC

Synonyms: National Rat Resource Research Center, National Center for Research Resources, Rat Resource & Research Center, Rat Resource and Research Center, Rat Resource Research Center, NCRR

Resource Type: biomaterial supply resource, cell repository, organism supplier, material resource

Keywords: RIN, Resource Information Network, embryo, gamete, animal, drug, biomedical, cryopreserved, disease, genome, genotyping, germplasma, human, hybrid, inbred, infectious, molecular, mutant, nuclear, ovarian, pathogen, rat, research, tissue, rat model, embryonic stem cell, reagent, protocol, cell line, stem cell, strain, database, catalog, RRID Community Authority

Funding: NIH Office of the Director P40 OD011062;
NCRR P40 RR016939

Availability: Free

Resource Name: Rat Resource and Research Center

Resource ID: SCR_002044

Alternate IDs: nif-0000-12085

Old URLs: <http://www.nrrrc.missouri.edu/>

Record Creation Time: 20220129T080211+0000

Record Last Update: 20260801T042512+0000

Ratings and Alerts

No rating or validation information has been found for Rat Resource and Research Center.

No alerts have been found for Rat Resource and Research Center.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 219 mentions in open access literature.

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

Smith JR, et al. (2025) Standardized pipelines support and facilitate integration of diverse datasets at the Rat Genome Database. Database : the journal of biological databases and curation, 2025.

Dwinell MR, et al. (2025) Establishing the hybrid rat diversity program: a resource for dissecting complex traits. Mammalian genome : official journal of the International Mammalian Genome Society, 36(1), 25.

Marcó S, et al. (2025) Rat models of musculoskeletal lysosomal storage disorders and their role in pre-clinical evaluation of gene therapy approaches. Mammalian genome : official journal of the International Mammalian Genome Society, 36(2), 488.

Hwang EK, et al. (2025) Retinoic acid-mediated homeostatic plasticity drives cell type-specific CP-AMPA accumulation in nucleus accumbens core and incubation of cocaine craving. Molecular psychiatry, 30(7), 3175.

Suyama JA, et al. (2025) Novel Application of T1? Magnetic Resonance Imaging for Noninvasive Assessment of Bladder Hyperpermeability Biomarkers: A Focus on Glycosaminoglycan Content. Neurourology and urodynamics, 44(5), 1081.

Qi T, et al. (2025) Axonal degeneration and retinal neurovascular dysfunction in the TgF344-AD rat model of Alzheimer's disease. Journal of Alzheimer's disease : JAD, 108(2), 914.

Taborda-Bejarano JP, et al. (2025) Characterizing Microglial Morphology: Methodological Advances in Confocal Imaging and Analysis. Cells, 14(17).

- Xie X, et al. (2025) Abstinence and Extinction Drive Opposing Changes in Striatal Activity and Dopamine Signaling During Alcohol Relapse. *bioRxiv : the preprint server for biology*.
- Ye Z, et al. (2025) Effectiveness of aperiodic retinal stimulation in improving temporal visual cortical response. *Journal of neural engineering*, 22(2).
- Castro EM, et al. (2025) Sex- and Genotype-Dependent Nicotine-Induced Behaviors in Adult Rats with a Human Polymorphism (rs2304297) in the 3'-UTR of the CHRNA6 Gene. *Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco*.
- Ndukwe K, et al. (2025) Brain-penetrant histone deacetylase inhibitor RG2833 improves spatial memory in females of an Alzheimer's disease rat model. *Journal of Alzheimer's disease : JAD*, 104(1), 173.
- David SA, et al. (2025) The role of vasopressin deficiency in the fluid intake suppression hyper-responsivity to central glucagon-like peptide-1 in the Brattleboro rat. *Physiology & behavior*, 298, 114958.
- Sloand TJ, et al. (2025) Aberrant medial prefrontal cortex activity and flexible behavior in the TgF344-AD rat model of Alzheimer's disease. *bioRxiv : the preprint server for biology*.
- Futácsi A, et al. (2025) Quantification and correlation of amyloid- β plaque load, glial activation, GABAergic interneuron numbers, and cognitive decline in the young TgF344-AD rat model of Alzheimer's disease. *Frontiers in aging neuroscience*, 17, 1542229.
- Bhagaloo KA, et al. (2025) Alterations in iron levels in the locus coeruleus of a transgenic Alzheimer's disease rat model. *Neuroscience letters*, 850, 138151.
- Trueblood CT, et al. (2025) Transplanting Neural Progenitor Cells Improves Neural Regulation But Not Hormonal Reliance of Cardiovascular Function Following Spinal Cord Injury. *eNeuro*, 12(9).
- , et al. (2025) Abstracts of the 19th Transgenic Technology Meeting (TT2025) : Zurich, Switzerland, April 24-27, 2025. *Transgenic research*, 34(Suppl 1), 19.
- Day SM, et al. (2025) Adolescent intermittent ethanol exacerbates A β with age in the dorsal hippocampus of female TgF344-AD rats. *bioRxiv : the preprint server for biology*.
- Derman RC, et al. (2024) Role of nucleus accumbens D1-type medium spiny neurons in the expression and extinction of sign-tracking. *Behavioural brain research*, 459, 114768.
- Men H, et al. (2024) Evolution of Media Supporting the Development of Mammalian Preimplantation Embryos In Vitro. *Biology*, 13(10).