

# Resource Summary Report

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## WI

RRID:RGD\_13508588

Type: Organism

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### Proper Citation

RRID:RGD\_13508588

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### Organism Information

**URL:** <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=13508588>

**Proper Citation:** RRID:RGD\_13508588

**Description:** Rattus norvegicus with name WI from RGD.

**Species:** Rattus norvegicus

**Notes:** The Wistar rat is an outbred albino rat. This breed was developed at the Wistar Institute in 1906 for use in biological and medical research, and is notably the first rat developed to serve as a model organism.

**Catalog Number:** 13508588

**Background:** outbred

**Database:** Rat Genome Database (RGD)

**Database Abbreviation:** RGD

**Availability:** Unknown

**Organism Name:** WI

**Record Creation Time:** 20230509T191948+0000

**Record Last Update:** 20240130T020241+0000

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### Ratings and Alerts

No rating or validation information has been found for WI.

No alerts have been found for WI.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Rat Genome Database (RGD)

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## Usage and Citation Metrics

We found 50149 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Noronha-Matos JB, et al. (2025) Differential participation of CaMKII/ROCK and NOS pathways in the cholinergic inhibitory drive operated by nicotinic  $\alpha 7$  receptors in perisynaptic Schwann cells. *Biochemical pharmacology*, 231, 116649.

Cheng Y, et al. (2025) Immunomodulation with M2 macrophage-derived extracellular vesicles for enhanced titanium implant osseointegration under diabetic conditions. *Materials today. Bio*, 30, 101385.

Mohammadshirazi A, et al. (2025) A Focal Traumatic Injury to the Neonatal Rodent Spinal Cord Causes an Immediate and Massive Spreading Depolarization Sustained by Chloride Ions, with Transient Network Dysfunction. *Cellular and molecular neurobiology*, 45(1), 10.

Nanbakhsh K, et al. (2025) On the longevity and inherent hermeticity of silicon-ICs: evaluation of bare-die and PDMS-coated ICs after accelerated aging and implantation studies. *Nature communications*, 16(1), 12.

Mareš P, et al. (2025) Seizures elicited by transcorneal 6 Hz stimulation in developing rats. *PloS one*, 20(1), e0313681.

Ghosh S, et al. (2025) Fenofibrate ameliorated atorvastatin and piperine-induced ROS mediated reproductive toxicity in male Wistar rats. *Toxicology reports*, 14, 101861.

Akhigbe RE, et al. (2025) The consequences of climate change and male reproductive health: A review of the possible impact and mechanisms. *Biochemistry and biophysics reports*, 41, 101889.

Mesas C, et al. (2025) Cannabidiol effects in stem cells: A systematic review. *BioFactors (Oxford, England)*, 51(1), e2148.

Romero K, et al. (2025) Sub-Chronic Peroneal Nerve Stimulation Lowers Ambulatory Blood Pressure in Spontaneously Hypertensive Rats. *IEEE open journal of engineering in medicine*

and biology, 6, 140.

Courault P, et al. (2025) Perspectives on obesity imaging: [18F]2FNQ1P a specific 5-HT6 brain PET radiotracer. *International journal of obesity* (2005), 49(1), 133.

Wang Z, et al. (2025) Adrenic acid: A promising biomarker and therapeutic target (Review). *International journal of molecular medicine*, 55(2).

Zennifer A, et al. (2025) Innovative spiral nerve conduits: Addressing nutrient transport and cellular activity for critical-sized nerve defects. *Bioactive materials*, 44, 544.

Milivojac T, et al. (2025) Ursodeoxycholic and chenodeoxycholic bile acids attenuate systemic and liver inflammation induced by lipopolysaccharide in rats. *Molecular and cellular biochemistry*, 480(1), 563.

Warren WG, et al. (2025) ART26.12, a novel fatty acid-binding protein 5 inhibitor, shows efficacy in multiple preclinical neuropathy models. *European journal of pain* (London, England), 29(2), e4718.

Supawat A, et al. (2025) Effect of galangin on oxidative stress, antioxidant defenses and mitochondrial dynamics in a rat model of focal cerebral ischemia. *Biomedical reports*, 22(1), 10.

Chen X, et al. (2025) sGC stimulator (BAY 41-8543) combined with PDE9 inhibitor (BAY 73-6691) reduces renal fibrosis in 5/6 nephrectomized rats. *Basic & clinical pharmacology & toxicology*, 136(1), e14103.

Liang C, et al. (2025) LIPUS promotes osteogenic differentiation of rat BMSCs and osseointegration of dental implants by regulating ITGA11 and focal adhesion pathway. *BMC oral health*, 25(1), 22.

Alkandahri MY, et al. (2025) Evaluation of hepatoprotective and nephroprotective activities of *Castanopsis costata* extract in rats. *Biomedical reports*, 22(2), 24.

Astaneh ME, et al. (2025) Nanocurcumin-enhanced zein nanofibers: Advancing macrophage polarization and accelerating wound healing. *Regenerative therapy*, 28, 51.

Arkan Yousif H, et al. (2025) Preparation and Evaluation of Complexed Ubiquinone (Coenzyme Q10) Antiaging Hyaluronic Acid-Vitamin C Serum for Skin Care. *Journal of cosmetic dermatology*, 24(1), e16706.