

Resource Summary Report

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National Swine Resource and Research Center

RRID:SCR_006855

Type: Tool

Proper Citation

National Swine Resource and Research Center (RRID:SCR_006855)

Resource Information

URL: <http://www.nsrrc.missouri.edu/>

Proper Citation: National Swine Resource and Research Center (RRID:SCR_006855)

Description: Provides access to critically needed swine models of human health and disease as well as a central resource for reagents, creation of new genetically modified swine, and information and training related to use of swine models in biomedical research.

Abbreviations: NSRRC

Synonyms: National Swine Resource Research Center

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

Keywords: RIN, Resource Information Network, pig, fetal fibroblast, live animal, tissue, fibroblast, fetus, genetically modified pig, biomaterial manufacture, genome, genotyping, genetics, reproduction, breeding, health monitoring, cryopreservation, phenotyping, consulting

Funding: NIH Office of the Director U42 OD011140;
NIAID ;
NHLBI

Availability: Public, To investigators, Application required

Resource Name: National Swine Resource and Research Center

Resource ID: SCR_006855

Alternate IDs: nif-0000-12086

License: Resource specific license

License URLs: <https://sharing.nih.gov/other-sharing-policies/model-organism-sharing-policy>

Record Creation Time: 20220129T080238+0000

Record Last Update: 20250424T064849+0000

Ratings and Alerts

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

No alerts have been found for National Swine Resource and Research Center.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 79 mentions in open access literature.

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

Mondal P, et al. (2023) Induction of pancreatic neoplasia in the KRAS/TP53 Oncopig. *Disease models & mechanisms*, 16(1).

Zigo M, et al. (2023) The Ubiquitin-Proteasome System Participates in Sperm Surface Subproteome Remodeling during Boar Sperm Capacitation. *Biomolecules*, 13(6).

Allen LM, et al. (2023) Testing spatial working memory in pigs using an automated T-maze. *Oxford open neuroscience*, 2, kvad010.

Nelson ED, et al. (2022) Limited Expansion of Human Hepatocytes in FAH/RAG2-Deficient Swine. *Tissue engineering. Part A*, 28(3-4), 150.

Zhou X, et al. (2022) A step forward toward establishing a novel preclinical porcine model to study ischemia/reperfusion-induced acute and chronic kidney injuries. *Translational andrology and urology*, 11(5), 575.

Keeler SP, et al. (2022) Chloride channel accessory 1 gene deficiency causes selective loss of mucus production in a new pig model. *American journal of physiology. Lung cellular and molecular physiology*, 322(6), L842.

Zigo M, et al. (2022) Zinc is a master-regulator of sperm function associated with binding, motility, and metabolic modulation during porcine sperm capacitation. *Communications biology*, 5(1), 538.

Gabriel GC, et al. (2021) Cardiovascular Development and Congenital Heart Disease Modeling in the Pig. *Journal of the American Heart Association*, 10(14), e021631.

Casalia ML, et al. (2021) Interneuron Origins in the Embryonic Porcine Medial Ganglionic Eminence. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 41(14), 3105.

Nurili F, et al. (2021) Transarterial Embolization of Liver Cancer in a Transgenic Pig Model. *Journal of vascular and interventional radiology : JVIR*, 32(4), 510.

Mao J, et al. (2021) NEDD4-like ubiquitin ligase 2 protein (NEDL2) in porcine spermatozoa, oocytes, and preimplantation embryos and its role in oocyte fertilization†. *Biology of reproduction*, 104(1), 117.

Rao JS, et al. (2021) HLA-G1+ Expression in GGTA1KO Pigs Suppresses Human and Monkey Anti-Pig T, B and NK Cell Responses. *Frontiers in immunology*, 12, 730545.

Song WH, et al. (2021) Mammalian Cell-Free System Recapitulates the Early Events of Post-Fertilization Sperm Mitophagy. *Cells*, 10(9).

Chen PR, et al. (2021) Challenges and Considerations during In Vitro Production of Porcine Embryos. *Cells*, 10(10).

Schommer SK, et al. (2021) Serologic titers to *Leptospira* in vaccinated pigs and interpretation for surveillance. *PloS one*, 16(11), e0260052.

Lucas CG, et al. (2021) Effects of RAD51-stimulatory compound 1 (RS-1) and its vehicle, DMSO, on pig embryo culture. *Reproductive toxicology (Elmsford, N.Y.)*, 105, 44.

Maeng G, et al. (2021) Humanized skeletal muscle in MYF5/MYOD/MYF6-null pig embryos. *Nature biomedical engineering*, 5(8), 805.

Goodwill AG, et al. (2021) Mineralocorticoid receptor blockade normalizes coronary resistance in obese swine independent of functional alterations in Kv channels. *Basic research in cardiology*, 116(1), 35.

Käser T, et al. (2021) Swine as biomedical animal model for T-cell research-Success and potential for transmittable and non-transmittable human diseases. *Molecular immunology*, 135, 95.

Johns DN, et al. (2021) Conceptus interferon gamma is essential for establishment of

pregnancy in the pig†. *Biology of reproduction*, 105(6), 1577.