

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDILab.SciCrunch.org) on Apr 3, 2025

## 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:** cell repository, material resource, biomaterial supply resource, organism supplier

**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:** 20250403T060536+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 [FDI Lab - SciCrunch.org](#).

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.

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.

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.

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

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.

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.

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

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.

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

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

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.