Resource Summary Report

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Van Andel Institute Transgenic Core Facility

RRID:SCR_022914
Type: Tool

Proper Citation

Van Andel Institute Transgenic Core Facility (RRID:SCR_022914)

Resource Information

URL: https://vivariumandtransgenicscore.vai.org/

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Description: Provides genetically modified animal models for our collaborators. For preexisting models provides rederivation or reconstitution for purpose of importing animals into Vivarium barrier. In the absence of preexisting models core works closely with partnering labs to generate their ideal mutation de novo, often using CRISPR technology. Usually beginning with a brief consultation, this process involves discussing factors such as ideal background strain, molecular methods for optimizing the intended genetic change, mutation induction strategies, screening approaches and eventual QC of the new mutant line with the overall goal of giving our collaborators a fully informed, realistic picture of their projects timeframe, pitfalls and workflow. Core provides mouse sperm and embryo cryopreservation services for purpose of archiving and distributing valuable lines. Institute is an AAALAC-accredited facility. All procedures are conducted according to the NIH Guide for the Care and Use of Laboratory Animals.

Synonyms: VAI Transgenic Core, Van Andel Institute VAI Transgenic Core

Resource Type: access service resource, core facility, service resource

Keywords: USEDit, ABRF, genetically modified animal models, Vivarium barrier

Resource Name: Van Andel Institute Transgenic Core Facility

Resource ID: SCR_022914

Alternate IDs: ABRF_1601

Alternate URLs: https://coremarketplace.org/?FacilityID=1601&citation=1

Record Creation Time: 20221022T050155+0000

Record Last Update: 20260821T194233+0000

Ratings and Alerts

No rating or validation information has been found for Van Andel Institute Transgenic Core Facility.

No alerts have been found for Van Andel Institute Transgenic Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Panzeri I, et al. (2026) Chronic High-Fat Diet Does Not Alter Overall Cancer Incidence in Trp53R270H/+ Mice. Cancer research communications, 6(6), 1336.

Gruber T, et al. (2026) Midbrain Tet1 dosage defines inter-individual binge-eating susceptibility. bioRxiv : the preprint server for biology.

Panzeri I, et al. (2025) TRIM28-dependent developmental heterogeneity determines cancer susceptibility through distinct epigenetic states. Nature cancer, 6(2), 385.

Zhong ZA, et al. (2025) Local Misalignment Scoring Reveals Spatially Uniform Chondrocyte Disorganization in a Wnt5a-C83S Knock-in Model of Robinow Syndrome. Research square.

Diegel CR, et al. (2025) The class A repeats of LRP5 are required for normal development of bone, retinal vasculature and mammary gland in vivo. Disease models & mechanisms, 18(11).

Jones P, et al. (2025) Dnmt3a2 expression during embryonic development is required for phenotypic stability. Research square.

Liu M, et al. (2025) Dnmt3a2 expression during embryonic development is required for phenotypic stability. Communications biology, 9(1), 44.

Panzeri I, et al. (2024) Chronic obesity does not alter cancer survival in Tp53 R270H/+ mice. bioRxiv : the preprint server for biology.

Panzeri I, et al. (2023) Developmental priming of cancer susceptibility. bioRxiv : the preprint server for biology.

Waldhart AN, et al. (2023) Optimal HSF1 activation in response to acute cold stress in BAT requires nuclear TXNIP. iScience, 26(5), 106538.

Diegel CR, et al. (2023) Inhibiting WNT secretion reduces high bone mass caused by Sost loss-of-function or gain-of-function mutations in Lrp5. Bone research, 11(1), 47.

Liegel RP, et al. (2023) Successful therapeutic intervention in new mouse models of frizzled 2-associated congenital malformations. Development (Cambridge, England), 150(3).