Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 20, 2025

Vanderbilt University Genome Editing Resource Core Facility

RRID:SCR_018826
Type: Tool

Proper Citation

Vanderbilt University Genome Editing Resource Core Facility (RRID:SCR_018826)

Resource Information

URL: https://labnodes.vanderbilt.edu/vger

Proper Citation: Vanderbilt University Genome Editing Resource Core Facility (RRID:SCR_018826)

Description: Provides services, consultation, and collaborations to enable generation, storage and regeneration of genetically altered mice.Services include CRISPR-Cas9 Mouse Editing, Pronuclear Microinjection of DNAs,Sperm or Embryo Cryopreservation,In vitro Fertilization and Rederivation,Genome-Editing Design and Analysis Services.

Abbreviations: VGER

Synonyms: Vanderbilt University Genome Editing Resource, Transgenic Mouse ESC Shared Resource, Vanderbilt Genome Editing Resource

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

Keywords: USEDit, genetically altered mice, CRISPR-Cas9 mouse editing, Pronuclear Microinjection of DNAs, Embryo Cryopreservation, Genome Editing Design, sperm Cryopreservation, In vitro Fertilization, , ABRF, ABRF

Funding:

Availability: Open

Resource Name: Vanderbilt University Genome Editing Resource Core Facility

Resource ID: SCR_018826

Alternate IDs: ABRF_773

Alternate URLs: https://coremarketplace.org/?FacilityID=773

Record Creation Time: 20220129T080342+0000

Record Last Update: 20250420T020121+0000

Ratings and Alerts

No rating or validation information has been found for Vanderbilt University Genome Editing Resource Core Facility.

No alerts have been found for Vanderbilt University Genome Editing Resource Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Trinh LT, et al. (2025) Positive autoregulation of Sox17 is necessary for gallbladder and extrahepatic bile duct formation. Development (Cambridge, England), 152(2).

Gu G, et al. (2024) Endocrine islet ?-cell subtypes with differential function are derived from biochemically distinct embryonic endocrine islet progenitors that are regulated by maternal nutrients. Research square.

Nakhe AY, et al. (2024) The MODY-associated KCNK16 L114P mutation increases islet glucagon secretion and limits insulin secretion resulting in transient neonatal diabetes and glucose dyshomeostasis in adults. eLife, 12.

Burman A, et al. (2023) Modeling of a Novel Patient-Based MYO5B Point Mutation Reveals Insights Into MVID Pathogenesis. Cellular and molecular gastroenterology and hepatology, 15(4), 1022.

Cencer CS, et al. (2023) Adhesion-based capture stabilizes nascent microvilli at epithelial cell junctions. bioRxiv : the preprint server for biology.

Cencer CS, et al. (2023) Adhesion-based capture stabilizes nascent microvilli at epithelial

cell junctions. Developmental cell, 58(20), 2048.

Nakhe AY, et al. (2023) The MODY-associated TALK-1 L114P mutation causes islet ?-cell overactivity and ?-cell inactivity resulting in transient neonatal diabetes and glucose dyshomeostasis in adults. bioRxiv : the preprint server for biology.

Winn NC, et al. (2023) Deletion of complement factor 5 amplifies glucose intolerance in obese male but not female mice. American journal of physiology. Endocrinology and metabolism, 325(4), E325.

Keller MP, et al. (2023) An Enhancer Within Abcb11 Regulates G6pc2 in C57BL/6 Mouse Pancreatic Islets. Diabetes, 72(11), 1621.

Wu HJ, et al. (2021) Altered Ocular Fibrillin Microfibril Composition in Mice With a Glaucoma-Causing Mutation of Adamts10. Investigative ophthalmology & visual science, 62(10), 26.

Shumate KM, et al. (2021) RNA editing-mediated regulation of calcium-dependent activator protein for secretion (CAPS1) localization and its impact on synaptic transmission. Journal of neurochemistry, 158(2), 182.