

Resource Summary Report

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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: access service resource, service resource, core facility

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

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

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 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

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

Momoh M, et al. (2025) Acute tuft cell ablation in mice induces malabsorption and alterations in secretory and immune cell lineages in the small intestine. *Physiological reports*, 13(5), e70264.

Brown ME, et al. (2025) Pancreatic islet β -cell subtypes are derived from biochemically-distinct and nutritionally-regulated islet progenitors. *Nature communications*, 16(1), 5758.

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

Ferdaus MZ, et al. (2024) Deletion of KS-WNK1 promotes NCC activation by increasing WNK1/4 abundance. *American journal of physiology. Renal physiology*, 327(3), F373.

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.

Momoh M, et al. (2024) Acute tuft cell ablation induces malabsorption and alterations in secretory and immune cell lineages in small intestine. *bioRxiv : the preprint server for biology*.

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.

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

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.

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.