

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 2, 2026

## Van Andel Institute Genomics Core Facility

RRID:SCR\_022913

Type: Tool

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### Proper Citation

Van Andel Institute Genomics Core Facility (RRID:SCR\_022913)

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### Resource Information

**URL:** <https://genomicscore.vai.org>

**Proper Citation:** Van Andel Institute Genomics Core Facility (RRID:SCR\_022913)

**Description:** Provides services including Next Generation Sequencing, single cell Genomics, and Spatial Transcriptomics facility. Provides experimental design support, library generation, and Illumina and Nanopore Sequencing.

**Synonyms:** Van Andel Institute VAI - Genomics Core, VAI - Genomics Core

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

**Keywords:** USEEdit, ABRF, Next Generation Sequencing, single cell Genomics, Spatial Transcriptomics facility

**Resource Name:** Van Andel Institute Genomics Core Facility

**Resource ID:** SCR\_022913

**Alternate IDs:** ABRF\_1600

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=1600&citation=1>

**Record Creation Time:** 20221022T050155+0000

**Record Last Update:** 20260801T191253+0000

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### Ratings and Alerts

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

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

## Data and Source Information

**Source:** [SciCrunch Registry](#)

## Usage and Citation Metrics

We found 32 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Spix NJ, et al. (2025) High-coverage allele-resolved single-cell DNA methylation profiling reveals cell lineage, X-inactivation state, and replication dynamics. *Nature communications*, 16(1), 6273.

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).

Chomiak AA, et al. (2025) Dual EZH1/2 inhibition enhances DNMT inhibitor efficacy in colon cancer through targeting H3K27me1. *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.

Dahabieh MS, et al. (2025) The prostacyclin receptor PTGIR is a NRF2-dependent regulator of CD8+ T cell exhaustion. *Nature immunology*, 26(7), 1139.

Perez-Mojica JE, et al. (2025) Resolving early embryonic metabolism in Drosophila through single-embryo metabolomics and transcriptomics. *Nature metabolism*.

Liu Y, et al. (2025) EHMT2 Controls Neural Crest-Derived Craniofacial Development but is Dispensable in Limb Development. *bioRxiv : the preprint server for biology*.

Finneran DJ, et al. (2025) Mature tau pathology is not improved by interfering with interleukin-1 receptor signaling in two mouse models of tauopathy. *PLoS one*, 20(11), e0335409.

Xue Z, et al. (2025) Expression of ENL YEATS domain tumor mutations in nephrogenic or stromal lineage impairs kidney development. *Nature communications*, 16(1), 2531.

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

Oswald BM, et al. (2025) Dietary restriction reprograms CD8+ T cell fate to enhance anti-tumour immunity and immunotherapy responses. *Nature metabolism*, 7(12), 2489.

Beddows I, et al. (2025) Impact of BRCA mutations, age, surgical indication, and hormone status on the molecular phenotype of the human Fallopian tube. *Nature communications*, 16(1), 2981.

Longo J, et al. (2025) Glucose-dependent glycosphingolipid biosynthesis fuels CD8+ T cell function and tumor control. *Cell metabolism*, 37(9), 1890.

Liu Y, et al. (2025) DNA hypomethylation promotes UHRF1-and SUV39H1/H2-dependent crosstalk between H3K18ub and H3K9me3 to reinforce heterochromatin states. *Molecular cell*, 85(2), 394.

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

Grimes B, et al. (2025) Comparing Novel Low-Input Total RNA-Seq Methods. *Journal of biomolecular techniques : JBT*, 36(3).

Chomiak AA, et al. (2024) Select EZH2 inhibitors enhance viral mimicry effects of DNMT inhibition through a mechanism involving NFAT:AP-1 signaling. *Science advances*, 10(13), eadk4423.

Booms A, et al. (2024) Parkinson's disease risk enhancers in microglia. *iScience*, 27(2), 108921.

Kochmanski J, et al. (2024) Developmental origins of Parkinson's disease risk: perinatal exposure to the organochlorine pesticide dieldrin leads to sex-specific DNA modifications in critical neurodevelopmental pathways in the mouse midbrain. *bioRxiv : the preprint server for biology*.

Goralski TM, et al. (2024) Spatial transcriptomics reveals molecular dysfunction associated with cortical Lewy pathology. *Nature communications*, 15(1), 2642.