

Resource Summary Report

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Van Andel Institute Genomics Core Facility

RRID:SCR_022913

Type: Tool

Proper Citation

Van Andel Institute Genomics Core Facility (RRID:SCR_022913)

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: service resource, access service resource, core facility

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: 20260804T043750+0000

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 [ASWG](#).

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*.

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

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

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

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.

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

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

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.

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.

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.

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

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).

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

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.

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.