

Resource Summary Report

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VANTAGE

RRID:SCR_010155

Type: Tool

Proper Citation

VANTAGE (RRID:SCR_010155)

Resource Information

URL: <http://eagle-i.ea.vanderbilt.edu/i/0000013d-037f-b425-afc0-9aeb80000000>

Proper Citation: VANTAGE (RRID:SCR_010155)

Description: VANTAGE (Vanderbilt Technologies for Advanced Genomics) is a genomics core laboratory consolidation initiated by an \$8.6 million ARRA funded NIH grant award to Vanderbilt University Medical Center, with an overall goal of creating a new collaborative shared resource that accelerates discovery in genome sciences and personalized medicine, providing state-of-the art research shared resource facilities and technology.

Synonyms: Vanderbilt Technologies for Advanced Genomics

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

Resource Name: VANTAGE

Resource ID: SCR_010155

Alternate IDs: nlx_156634

Record Creation Time: 20220129T080257+0000

Record Last Update: 20260729T044237+0000

Ratings and Alerts

No rating or validation information has been found for VANTAGE.

No alerts have been found for VANTAGE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Page-McCaw PS, et al. (2025) Collagen IV of basement membranes: I. Origin and diversification of COL4 genes enabling metazoan multicellularity, evolution, and adaptation. *The Journal of biological chemistry*, 301(5), 108496.

Morato NM, et al. (2025) Accelerating countermeasure candidate discovery for A-series chemical warfare agent exposure. *Proceedings of the National Academy of Sciences of the United States of America*, 122(29), e2512471122.

Parent AA, et al. (2024) Performance Evaluation of a New Sport Watch in Sleep Tracking: A Comparison against Overnight Polysomnography in Young Adults. *Sensors (Basel, Switzerland)*, 24(7).

Chowdhury NU, et al. (2024) Androgen signaling restricts glutaminolysis to drive sex-specific Th17 metabolism in allergic airway inflammation. *The Journal of clinical investigation*, 134(23).

Vincely VD, et al. (2024) Bornite (Cu₅FeS₄) nanocrystals as an ultrasmall biocompatible NIR-II contrast agent for photoacoustic imaging. *Photoacoustics*, 40, 100649.

Chen H, et al. (2024) Multiparametric Brain Hemodynamics Imaging Using a Combined Ultrafast Ultrasound and Photoacoustic System. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 11(31), e2401467.

Gruber JV, et al. (2024) A Mixture of Water-Soluble Polysaccharides Reduces Caspase-1 and IL-1 β Inflammatory Responses by Cutibacterium acnes in vitro in Reconstructed Human Epidermis (RHE). *Clinical, cosmetic and investigational dermatology*, 17, 2627.

Hunt EG, et al. (2024) Acetyl-CoA carboxylase obstructs CD8⁺ T cell lipid utilization in the tumor microenvironment. *Cell metabolism*.

Ling B, et al. (2023) Truly tiny acoustic biomolecules for ultrasound imaging and therapy. *bioRxiv : the preprint server for biology*.

St Pierre M, et al. (2023) Unbiased Quantitative Single-Cell Morphometric Analysis to Identify Microglia Reactivity in Developmental Brain Injury. *Life (Basel, Switzerland)*, 13(4).

Nugent M, et al. (2023) Sexual Dimorphism in the Closure of the Hippocampal Postnatal Critical Period of Synaptic Plasticity after Intrauterine Growth Restriction: Link to Oligodendrocyte and Glial Dysregulation. *Developmental neuroscience*, 45(5), 234.

Chen H, et al. (2023) Dissecting Multiparametric Cerebral Hemodynamics using Integrated Ultrafast Ultrasound and Multispectral Photoacoustic Imaging. *bioRxiv : the preprint server for biology*.

Zec K, et al. (2023) Macrophages in the synovial lining niche initiate neutrophil recruitment and articular inflammation. *The Journal of experimental medicine*, 220(8).

Batalov RE, et al. (2023) Isolated Atrial Fibrillation, Inflammation and Efficacy of Radiofrequency Ablation: Preliminary Insights Based on a Single-Center Endomyocardial Biopsy Study. *Journal of clinical medicine*, 12(4).

Gao J, et al. (2022) The HOPS tethering complex is required to maintain signaling endosome identity and TORC1 activity. *The Journal of cell biology*, 221(5).

Chen H, et al. (2022) A Transparent Ultrasound Array for Real-Time Optical, Ultrasound, and Photoacoustic Imaging. *BME frontiers*, 2022, 9871098.

Janis BR, et al. (2021) Sonoporation enables high-throughput loading of trehalose into red blood cells. *Cryobiology*, 98, 73.

Wang Q, et al. (2021) Can COVID-19 and environmental research in developing countries support these countries to meet the environmental challenges induced by the pandemic? *Environmental science and pollution research international*, 28(30), 41296.

Sawyer DP, et al. (2021) Ultrasensitive ultrasound imaging of gene expression with signal unmixing. *Nature methods*, 18(8), 945.

Starke RM, et al. (2020) Preclinical safety and efficacy evaluation of the Pipeline Vantage Embolization Device with Shield Technology. *Journal of neurointerventional surgery*, 12(10), 981.