Resource Summary Report

Generated by RRID on Sep 10, 2026

University of Pennsylvania Perelman School of Medicine Vector Core Facility

RRID:SCR_022432
Type: Tool

Proper Citation

University of Pennsylvania Perelman School of Medicine Vector Core Facility (RRID:SCR_022432)

Resource Information

URL: https://gtp.med.upenn.edu/core-laboratories-public/vector-core

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Description: Resource for investigators requiring viral vectors for preclinical studies and other basic research applications such as gene therapies for acquired and inherited diseases.Provides production of high quality vectors and distribution of improved vector technologies services.

Synonyms: University of Pennsylvania Perelman School of Medicine Vector Core, Vector Core

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

Keywords: USEDit, ABRF

Resource Name: University of Pennsylvania Perelman School of Medicine Vector Core Facility

Resource ID: SCR_022432

Alternate IDs: ARBF_1437

Alternate URLs: https://coremarketplace.org?citation=1&FacilityID=1437

Record Creation Time: 20220602T050140+0000

Record Last Update: 20260905T133426+0000

Ratings and Alerts

No rating or validation information has been found for University of Pennsylvania Perelman School of Medicine Vector Core Facility.

No alerts have been found for University of Pennsylvania Perelman School of Medicine Vector Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Boucher JD, et al. (2026) Distinguishing Pseudotransduction and True Transduction Enables Characterization and Bioengineering of Extracellular Vesicle-Adeno-Associated Virus Vectors. Journal of extracellular vesicles, 15(4), e70258.

Callow B, et al. (2025) Inhibition of vascular smooth muscle cell PERK/ATF4 ER stress signaling protects against abdominal aortic aneurysms. JCI insight, 10(2).

Nielsen BE, et al. (2025) Postsynaptic adaptations in direct pathway muscarinic M4-receptor signaling follow the temporal and regional pattern of dopaminergic degeneration. NPJ Parkinson's disease, 11(1), 186.

Baez HC, et al. (2025) Inner Limiting Membrane Peel Extends In Vivo Calcium Imaging of Retinal Ganglion Cell Activity Beyond the Fovea in Non-Human Primate. Investigative ophthalmology & visual science, 66(12), 25.

Berger JH, et al. (2025) Two-hit mouse model of heart failure with preserved ejection fraction combining diet-induced obesity and renin-mediated hypertension. Scientific reports, 15(1), 422.

Sreedevi K, et al. (2025) PERM1 Gene Delivery via AAV Prevents Heart Failure in a Mouse Model of Pressure Overload. bioRxiv : the preprint server for biology.

Boucher JD, et al. (2025) Distinguishing Protein and Gene Delivery Enables Characterization and Bioengineering of Extracellular Vesicle-Adeno-Associated Virus Vectors. bioRxiv : the preprint server for biology.

Barnett D, et al. (2025) Mitochondrial complex III-derived ROS amplify immunometabolic changes in astrocytes and promote dementia pathology. Nature metabolism, 7(11), 2300.

Baez HC, et al. (2024) Inner limiting Membrane Peel Extends In vivo Calcium Imaging of Retinal Ganglion Cell Activity Beyond the Fovea in Non-Human Primate. bioRxiv : the preprint server for biology.

Nielsen BE, et al. (2024) Reduced striatal M4-cholinergic signaling following dopamine loss contributes to parkinsonian and l-DOPA-induced dyskinetic behaviors. Science advances, 10(47), eadp6301.

Barnett D, et al. (2024) Mitochondrial complex III-derived ROS amplify immunometabolic changes in astrocytes and promote dementia pathology. bioRxiv : the preprint server for biology.

Xu Z, et al. (2024) Foveal Retinal Ganglion Cells Develop Altered Calcium Dynamics Weeks After Photoreceptor Ablation. Ophthalmology science, 4(5), 100520.

Hoffman JA, et al. (2024) Modulation of AAV9 Galactose Binding Yields Novel Gene Therapy Vectors and Predicts Cross-Species Differences in Glycan Avidity. Human gene therapy, 35(17-18), 734.

Werner MS, et al. (2024) Adeno-associated virus-mediated trastuzumab delivery to the central nervous system for human epidermal growth factor receptor 2+ brain metastasis. Cancer gene therapy.

Hordeaux J, et al. (2024) High-dose systemic adeno-associated virus vector administration causes liver and sinusoidal endothelial cell injury. Molecular therapy : the journal of the American Society of Gene Therapy.

Berger JH, et al. (2024) Two-hit mouse model of heart failure with preserved ejection fraction combining diet-induced obesity and renin-mediated hypertension. bioRxiv : the preprint server for biology.

Sreedevi K, et al. (2024) Adeno-associated virus-mediated gene delivery of Perm1 enhances cardiac contractility in mice. American journal of physiology. Heart and circulatory physiology, 327(4), H1112.

Greig JA, et al. (2023) Integrated vector genomes may contribute to long-term expression in primate liver after AAV administration. Nature biotechnology.

Hordeaux J, et al. (2023) Immune transgene-dependent myocarditis in macaques after systemic administration of adeno-associated virus expressing human acid alpha-glucosidase. Frontiers in immunology, 14, 1094279.

Martins KM, et al. (2023) Prevalent and Disseminated Recombinant and Wild-Type Adeno-Associated Virus Integration in Macaques and Humans. Human gene therapy, 34(21-22), 1081.