

Resource Summary Report

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Emory University Robert P. Apkarian Integrated Electron Microscopy Core Facility

RRID:SCR_023537

Type: Tool

Proper Citation

Emory University Robert P. Apkarian Integrated Electron Microscopy Core Facility
(RRID:SCR_023537)

Resource Information

URL: <https://www.cores.emory.edu/iemc/>

Proper Citation: Emory University Robert P. Apkarian Integrated Electron Microscopy Core Facility (RRID:SCR_023537)

Description: Core helps investigators use the latest technologies on structural research in their projects. Provides expertise in experimental needs.

Abbreviations: IEMC

Synonyms: Robert P. Apkarian Integrated Electron Microscopy Core (IEMC), Emory University Robert P. Apkarian Integrated Electron Microscopy Core (IEMC)

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

Keywords: USEDit, ABRF, electron microscopy,

Funding: Emory University School of Medicine ;
Georgia Clinical and Translational Science Alliance ;
NIH ;
NSF

Resource Name: Emory University Robert P. Apkarian Integrated Electron Microscopy Core Facility

Resource ID: SCR_023537

Alternate IDs: ABRF_1753

Alternate URLs: <https://coremarketplace.org/?FacilityID=1753&citation=1>

Record Creation Time: 20230503T050210+0000

Record Last Update: 20260905T133435+0000

Ratings and Alerts

No rating or validation information has been found for Emory University Robert P. Apkarian Integrated Electron Microscopy Core Facility.

No alerts have been found for Emory University Robert P. Apkarian Integrated Electron Microscopy Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

McFadden WM, et al. (2026) Damaging the conical morphology of HIV-1 capsid by targeting the FG-binding pocket and disfavoring pentameric subunits needed for core closure. bioRxiv : the preprint server for biology.

Ravichandran SM, et al. (2026) Unraveling the Mechanism of HIV-1 Hypersusceptibility to Tenofovir Imparted by Islatravir Resistance Mutations. bioRxiv : the preprint server for biology.

Rezapourdamanab S, et al. (2026) A Dynamic 3D Human Liver Sinusoid Model for Mechanistic Interrogation of Fontan-Associated Liver Disease. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(30), e24337.

Buth SA, et al. (2026) Cyclosporine A rescues the influenza virus fusion with IFITM3-expressing cells by relocating the restriction factor to intraluminal vesicles of multivesicular bodies. Journal of virology, 100(4), e0204525.

Wen X, et al. (2026) Structural Basis of Polypurine Track Strand Displacement by HIV-1 Reverse Transcriptase. bioRxiv : the preprint server for biology.

Espinosa-Garcia C, et al. (2026) Neuroinflammatory stress preferentially impacts synaptic MAPK signaling and mitochondria in excitatory neurons. Molecular neurodegeneration advances, 2(1), 17.

Zhu W, et al. (2026) Mosaic Inverted Hemagglutinin Extracellular Vesicle Vaccines Elicit Protective Systemic and Mucosal Immunity against Heterosubtypic Influenza Infection. ACS nano, 20(14), 10858.

Tehrani D, et al. (2026) Structural basis of chondroitin sulfate backbone polymer synthesis. *Nature communications*, 17(1).

Ho EA, et al. (2026) Pseudo-Solid-State Polymer Materials for QD-Sensitized NIR-I and NIR-II Upconversion Beyond the Silicon Bandgap. *Advanced materials* (Deerfield Beach, Fla.), 38(4), e12741.

Wood L, et al. (2026) Neural bottlenecks: axon count, distribution, and conduction in the *Manduca sexta* neck connective. *Journal of comparative physiology. A, Neuroethology, sensory, neural, and behavioral physiology*, 212(2), 391.

Hudson W, et al. (2026) Early cell-wall stress signatures enable 20-min ATR-FTIR discrimination of MRSA and MSSA. *Scientific reports*.

Sethi M, et al. (2025) Virion aggregation shapes infection dynamics and evolutionary potential. *Journal of virology*, 99(11), e0113725.

Gold HB, et al. (2025) Next-Generation Lipid Prodrugs Orally Deliver Tenofovir via Enhanced Chylomicron Incorporation. *ACS pharmacology & translational science*, 8(9), 3047.

Viswaroopan N, et al. (2025) Emulsome-Based Nanocarrier System for Controlled 4-Phenylbutyric Acid Delivery and Mechanistic Mitigation of Arsenical-Induced Skin Injury via Foam Application. *Pharmaceutics*, 18(1).

Scelsi HF, et al. (2025) Detection of non-native species formed during fibrillization of the myocilin olfactomedin domain. *Protein science : a publication of the Protein Society*, 34(4), e70063.

Zenhausern R, et al. (2025) Lipid nanoparticle screening in nonhuman primates with minimal loss of life. *Nature biotechnology*.

Sethi M, et al. (2025) Virion aggregation shapes infection dynamics and evolutionary potential. *bioRxiv : the preprint server for biology*.

Gentry K, et al. (2025) Glycolipid nanoparticles target the spleen and detarget the liver without charge. *Proceedings of the National Academy of Sciences of the United States of America*, 122(45), e2409569122.

Ghosh M, et al. (2025) Sustained delivery of 4-phenylbutyric acid via chitosan nanoparticles in foam for decontamination and treatment of lewisite-mediated skin injury. *International journal of pharmaceutics*, 682, 125928.

Rodriguez ZK, et al. (2025) Time-Resolved Fluorescence Imaging and Correlative Cryo-Electron Tomography to Study Structural Changes of the HIV-1 Capsid. *ACS nano*, 19(34), 30902.