

Resource Summary Report

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University of Delaware CBCB Bioinformatics Data Science Core Facility

RRID:SCR_017696

Type: Tool

Proper Citation

University of Delaware CBCB Bioinformatics Data Science Core Facility
(RRID:SCR_017696)

Resource Information

URL: <https://core.bioinformatics.udel.edu>

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Description: CBCB Bioinformatics Data Science Core builds upon infrastructure of the Center for Bioinformatics and Computational Biology. Delaware Biotechnology Institute , Delaware Data Science Institute, and Protein Information Resource. Core helps with planning your research or analyzing your current data. Services: Consultation and Collaboration, Proposal Assistance, Training, Bioinformatics Software, Computational Hardware, Database and Web Services, Next Gen Analysis, Custom Analysis.

Synonyms: Center for Bioinformatics and Computational Biology Bioinformatics Core, CBCB Bioinformatics Core

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

Keywords: ABRF, USEDit, CBCB, Bioinformatics, core, Delaware, Biotechnology, Institute, data, analyzing, service, data science

Funding: NIGMS P20GM103446;
NIH Office of the Director S10OD028725

Availability: Open

Resource Name: University of Delaware CBCB Bioinformatics Data Science Core Facility

Resource ID: SCR_017696

Alternate IDs: SCR_017712, ABRF_82

Record Creation Time: 20220129T080336+0000

Record Last Update: 20260728T043533+0000

Ratings and Alerts

No rating or validation information has been found for University of Delaware CBCB Bioinformatics Data Science Core Facility.

No alerts have been found for University of Delaware CBCB Bioinformatics Data Science Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 33 mentions in open access literature.

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

Bedi de Silva A, et al. (2025) Genomic diversity and global distribution of four new prasinoviruses from the tropical north Pacific. Microbiology spectrum, 13(11), e0258324.

Peterson JK, et al. (2025) First whole-genome sequence of Triatoma sanguisuga (Le Conte, 1855), vector of Chagas disease. G3 (Bethesda, Md.), 15(3).

Wang B, et al. (2025) Architectural control of rod-coil block polypeptide thermoresponsive self-assembly via de novo design of coiled-coil orientation. Journal of materials chemistry. B, 13(21), 6164.

Kolling FW, et al. (2025) Multi-site Assessment of Methods for Cell Preservation Upstream of Single Cell RNA Sequencing. bioRxiv : the preprint server for biology.

Gorai S, et al. (2025) LIRTS Viewer: A Web-Based Resource to View the Transcriptional Response of Lens Epithelial Cells to Injury. Investigative ophthalmology & visual science, 66(9), 53.

Cheheltani S, et al. (2025) Cyclase associated actin cytoskeleton regulatory protein 2 (CAP2) organizes the actin cytoskeleton to influence the biomechanical properties of the ocular lens. bioRxiv : the preprint server for biology.

Hoover RL, et al. (2025) An organotrophic Sideroxydians reveals potential iron oxidation marker genes. bioRxiv : the preprint server for biology.

Abdelgawad A, et al. (2025) Defining the Parameters for Sorting of RNA Cargo Into Extracellular Vesicles. Journal of extracellular vesicles, 14(7), e70113.

Wu DG, et al. (2025) Comparative metagenomics of tropical reef fishes show conserved core gut functions across hosts and diets with diet-related functional gene enrichments. *Applied and environmental microbiology*, 91(2), e0222924.

Chen L, et al. (2025) Structural maturation of the matrix lattice is not required for HIV-1 particle infectivity. *Science advances*, 11(19), eadv4356.

Sawhney R, et al. (2025) Fine-Tuning Protein Language Models Unlocks the Potential of Underrepresented Viral Proteomes. *bioRxiv : the preprint server for biology*.

Morgese EA, et al. (2025) Comparative Analysis Reveals Host Species-Dependent Diversity Among 16 Virulent Bacteriophages Isolated Against Soybean Bradyrhizobium spp. *bioRxiv : the preprint server for biology*.

Abdelgawad A, et al. (2025) EVRCEPT: EV RNA Cargo Enrichment Prediction Tool to predict enrichment of RNA into Extracellular Vesicles. *bioRxiv : the preprint server for biology*.

Ellis VA, et al. (2025) Simultaneous population genomics of hosts and their parasites with selective whole genome amplification. *Parasites & vectors*, 18(1), 448.

Islam ST, et al. (2025) Nonmuscle myosin IIA (NMIIA) regulates anisotropic cell tension to maintain the hexagonal packing of mouse lens meridional row cells. *Molecular biology of the cell*, 36(10), ar124.

Cheheltani S, et al. (2025) Comparative analysis of rodent lens morphometrics and biomechanical properties. *Frontiers in ophthalmology*, 5, 1562583.

Chin P-J, et al. (2025) Refinement of the Reference Viral Database (RVDB) for improving bioinformatics analysis of virus detection by high-throughput sequencing (HTS). *mSphere*, 10(7), e0028625.

Pol M, et al. (2025) TGF β 1 and RGD Cooperatively Regulate SMAD2/3-Mediated Oncogenic Effects in Prostate Cancer Cells in Bio-Orthogonally Constructed Hydrogels. *ACS biomaterials science & engineering*, 11(5), 3003.

Wu DG, et al. (2024) Comparative metagenomics of tropical reef fishes show conserved core gut functions across hosts and diets with diet-related functional gene enrichments. *bioRxiv : the preprint server for biology*.

Richards VA, et al. (2024) Soybean Bradyrhizobium spp. Spontaneously Produce Abundant and Diverse Temperate Phages in Culture. *Viruses*, 16(11).