

Resource Summary Report

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University of Michigan Medical School Bioinformatics Core

RRID:SCR_019168

Type: Tool

Proper Citation

University of Michigan Medical School Bioinformatics Core (RRID:SCR_019168)

Resource Information

URL: <https://brcf.medicine.umich.edu/cores/bioinformatics-core/>

Proper Citation: University of Michigan Medical School Bioinformatics Core (RRID:SCR_019168)

Description: Core helps researchers identify and interpret patterns in RNA and DNA by placing sequencing data into biologically meaningful context. Services include experimental design, developing reproducible workflows, analyzing next-generation sequencing data, and supporting manuscript development/publication.

Synonyms: Bioinformatics Core, UMMS Bioinformatics Core

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

Keywords: USEDit, identify and interpret patterns, RNA, DNA, sequencing data, analyzing NGS data, ABRF

Funding: NIH

Resource Name: University of Michigan Medical School Bioinformatics Core

Resource ID: SCR_019168

Alternate IDs: ABRF_522

Alternate URLs: <https://coremarketplace.org/?FacilityID=522>

Record Creation Time: 20220129T080343+0000

Record Last Update: 20260801T191229+0000

Ratings and Alerts

No rating or validation information has been found for University of Michigan Medical School Bioinformatics Core.

No alerts have been found for University of Michigan Medical School Bioinformatics Core.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Frey HC, et al. (2025) A membrane lipid signature unravels the dynamic landscape of group 1 innate lymphoid cells across the health-disease continuum. *iScience*, 28(3), 112043.

Haraguchi M, et al. (2025) Transmission of maternal oral pathobionts to the infant gut predisposes offspring to exacerbated enteritis. *Cell reports*, 44(7), 115974.

Niekamp P, et al. (2025) The Nuclear Receptor NR1B1/RAR γ Arrests the Differentiation of Anti-Tumor Effector Cytotoxic T Cells. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(17), e2410241.

Maung JN, et al. (2025) Effects of FGF21, soluble TGFBR2, and environmental temperature on metabolic dysfunction in lipodystrophic mice. *JCI insight*, 10(16).

Kannan R, et al. (2025) Efferocytosis-induced metabolic shift in bone macrophages drives lactate production and modulates inflammation and osteoclastogenesis. *Frontiers in immunology*, 16, 1650465.

O'Connor CM, et al. (2025) The SRG RAT® supports human cell xenotransplantation through enhanced tumor microenvironment interactions. *bioRxiv : the preprint server for biology*.

Zheng Y, et al. (2025) An engineered viral protein activates STAT5 to prevent T cell suppression. *Science immunology*, 10(107), eadn9633.

Sanders GM, et al. (2025) Association of myeloid cell reactivity patterns with safe food predictions in FPIES patients. *Allergy, asthma, and clinical immunology : official journal of the Canadian Society of Allergy and Clinical Immunology*, 21(1), 24.

Wubshet NH, et al. (2024) Cellular mechanotransduction of human osteoblasts in microgravity. *NPJ microgravity*, 10(1), 35.

Wubshet NH, et al. (2024) Cellular mechanotransduction of human osteoblasts in microgravity. *bioRxiv : the preprint server for biology*.

Farazuddin M, et al. (2024) Inhibiting retinoic acid signaling in dendritic cells suppresses respiratory syncytial virus infection through enhanced antiviral immunity. *iScience*, 27(7), 110103.

Kaniski AJ, et al. (2024) Spinosyn A exerts anti-tumorigenic effects on progesterone-sensitive ER α -positive breast cancer cells by modulating multiple signaling pathways. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 171, 116156.

Rosenson RS, et al. (2024) Inhibition of PCSK9 with evolocumab modulates lipoproteins and monocyte activation in high-risk ASCVD subjects. *Atherosclerosis*, 392, 117529.

Kuppa A, et al. (2024) Inherent Metabolic Adaptations in Adult Spiny Mouse (*Acomys*) Cardiomyocytes Facilitate Enhanced Cardiac Recovery Following Myocardial Infarction. *bioRxiv : the preprint server for biology*.

Gonzalez ME, et al. (2024) CCN6 Suppresses Metaplastic Breast Carcinoma by Antagonizing Wnt/ β -Catenin Signaling to Inhibit EZH2-Driven EMT. *Cancer research*, 84(19), 3235.

Frey HC, et al. (2024) A Membrane Lipid Signature Unravels the Dynamic Landscape of Group 1 ILCs. *bioRxiv : the preprint server for biology*.

Bale S, et al. (2023) Pharmacological inhibition of TAK1 prevents and induces regression of experimental organ fibrosis. *JCI insight*, 8(14).

Takla TN, et al. (2023) A Shared Pathogenic Mechanism for Valproic Acid and SHROOM3 Knockout in a Brain Organoid Model of Neural Tube Defects. *bioRxiv : the preprint server for biology*.

Lotakis DM, et al. (2023) A Pilot Study: Transcriptional Profiling, Functional Analysis, and Organoid Modeling of Intestinal Mucosa in Hirschsprung Disease. *Journal of pediatric surgery*, 58(6), 1164.

Beamish JA, et al. (2023) Pax Protein Depletion in Proximal Tubules Triggers Conserved Mechanisms of Resistance to Acute Ischemic Kidney Injury and Prevents Transition to Chronic Kidney Disease. *bioRxiv : the preprint server for biology*.