

# Resource Summary Report

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## University of Miami Sylvester Comprehensive Cancer Center Biostatistics and Bioinformatics Shared Resource Core Facility

RRID:SCR\_022890

Type: Tool

### Proper Citation

University of Miami Sylvester Comprehensive Cancer Center Biostatistics and Bioinformatics Shared Resource Core Facility (RRID:SCR\_022890)

### Resource Information

**URL:** <http://www.sylvester.org/BBSR>

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**Description:** Provides expertise and analysis support for basic and translational research, clinical trials, and both interventional and non-interventional population-based studies. Offers support for data and large scale data analysis projects. Services include support for data analysis and interpretation; software access; algorithm and database development; support of scientific review, monitoring, and oversight of clinical and population science research protocols; consultation, training, educational workshops, lectures and seminars. Biostatistics services include support for statistical design of clinical trials, population studies, and laboratory experiments; sample size determination and justification; statistical analysis plans; statistical support for data and safety monitoring of clinical trials; data analysis and interpretation; prediction model development using machine learning techniques; and database design and data management. Bioinformatics services include project design for high-throughput genomics studies; support for next generation sequencing data analysis (including whole transcriptome profiling; targeted region gene expression and single-cell RNA-seq; epigenomics profiling such as ChIP-seq and ATAC-seq; and exome or whole genome sequencing analysis); pathway analysis; microbiome data analysis; functional metagenomics analysis; drug sensitivity and genomic association analysis; genomic data integration using public databases; integration analysis of genomic data across multiple platforms; genomic data visualization; and bioinformatics methods, analysis pipeline, software and algorithm development. BBSR services can be utilized for QA/QC, including quality assessment of sequencing data, sample outlier detection, batch effect determination, evaluation of spike-in control methods, randomized block design, and other strategies for data normalization. T

**Abbreviations:** BBSR

**Synonyms:** University of Miami Sylvester Comprehensive Cancer Center Biostatistics and Bioinformatics Shared Resource, Sylvester Biostatistics and Bioinformatics Shared Resource

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

**Keywords:** USEDit, ABRF, biostatistics, bioinformatics

**Resource Name:** University of Miami Sylvester Comprehensive Cancer Center Biostatistics and Bioinformatics Shared Resource Core Facility

**Resource ID:** SCR\_022890

**Alternate IDs:** ABRF\_1590

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=1590&citation=1>

**Record Creation Time:** 20221015T050158+0000

**Record Last Update:** 20260905T133430+0000

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## Ratings and Alerts

No rating or validation information has been found for University of Miami Sylvester Comprehensive Cancer Center Biostatistics and Bioinformatics Shared Resource Core Facility.

No alerts have been found for University of Miami Sylvester Comprehensive Cancer Center Biostatistics and Bioinformatics Shared Resource Core Facility.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Khuu N, et al. (2026) Impact of Hereditary Cancer Susceptibility in Solid-Organ Transplant Recipients. JCO precision oncology, 10, e2500787.

Calabr?? L, et al. (2026) Tumor DNA methylation subtypes predict immunotherapy outcomes in pleural mesothelioma patients in the NIBIT-EPI-MESO study. Nature genetics, 58(5), 1100.

Thangaretnam K, et al. (2026) WEE1 stabilizes MYC to promote therapeutic resistance in esophageal adenocarcinoma. Cancer letters, 646, 218418.

Chavez V, et al. (2026) Pharmacologic reprogramming of virus-tumor crosstalk enhances measles virus antitumor activity in BRAF mutant colorectal cancer models. *Journal of experimental & clinical cancer research* : CR.

Thakur V, et al. (2025) Co-inhibition of Notch1 and ChK1 triggers genomic instability and melanoma cell death increasing the lifespan of mice bearing melanoma brain metastasis. *Journal of experimental & clinical cancer research* : CR, 44(1), 163.

De Falco A, et al. (2025) Knowledge-informed multimodal cfDNA analysis improves sensitivity and generalization in cancer detection. *bioRxiv* : the preprint server for biology.

Srinivasan S, et al. (2025) CREB Drives Acinar to Ductal Cells Reprogramming and Promotes Pancreatic Cancer Progression in Preclinical Models of Alcoholic Pancreatitis. *Cellular and molecular gastroenterology and hepatology*, 19(12), 101606.

Mehra S, et al. (2025) Targeting CREB remodels the immune microenvironment to enhance immunotherapy responses in pancreatic cancer. *bioRxiv* : the preprint server for biology.

Sanchez-Covarrubias AP, et al. (2025) Differences in breast cancer outcomes amongst Caribbean born women in Florida, USA-a population-based analysis. *Lancet regional health. Americas*, 52, 101292.

Scala G, et al. (2024) MoNETA: MultiOmics Network Embedding for SubType Analysis. *NAR genomics and bioinformatics*, 6(4), lqae141.

Srinivasan S, et al. (2024) CREB activation drives acinar to ductal reprogramming and promote pancreatic cancer progression in animal models of alcoholic chronic pancreatitis. *bioRxiv* : the preprint server for biology.

Grisolia P, et al. (2024) Differential methylation of circulating free DNA assessed through cfMeDiP as a new tool for breast cancer diagnosis and detection of BRCA1/2 mutation. *Journal of translational medicine*, 22(1), 938.

Ashad-Bishop KC, et al. (2023) Hyperlocal disparities in breast, cervical, and colorectal cancer screening: An ecological study of social vulnerability in Miami-Dade county. *Preventive medicine reports*, 35, 102371.

Anderson RT, et al. (2014) Breast cancer screening, area deprivation, and later-stage breast cancer in Appalachia: does geography matter? *Health services research*, 49(2), 546.