

CENTER FOR INNOVATIVE BIOMEDICAL RESOURCES

Services • Instrumentation • Supplies • Expertise

MISSION

Specialized expertise, cutting-edge technologies and sophisticated scientific resources supporting a robust basic, clinical and translational biomedical research environment.

ABOUT CIBR

The University of Maryland School of Medicine's (UMSOM) Center for Innovative Biomedical Resources (CIBR) is the organizational framework for all UMSOM biomedical core resources. CIBR serves as a center of excellence for state-of-the-art technologies, high-tech instrumentation, and expertise that supports biomedical research, clinical practice and health care. Physical consolidation of many core facilities in common space creates a dynamic environment that will enhance and stimulate high impact research through a trans-disciplinary approach.



**Panoramic View
Bressler 7 Open Lab**

CIBR's Mission

- Provide the broadest array of core services to support a successful biomedical research environment
- Facilitate access to state-of-the-art technologies necessary to catalyze high-impact science and support new research grants
- Provide a centralized management structure to optimize quality control, efficiencies and cost-effectiveness, marketing, customer support and financial management
- Operate core laboratories with directors and staff who are experts in these disciplines
- Foster a collaborative, interdisciplinary research environment

CORES

STRUCTURAL BIOLOGY FACILITIES

- Biosensor Facility
- NMR Facility
- X-Ray Crystallography

NUCLEIC ACID AND GENOMIC FACILITIES

- Genomics Core Facility
- Cytogenetics Facility
- Genomic Resource Center
- Translational Genomics Lab
- Pediatric Biochemical Genetics Lab

IMAGING TECHNOLOGIES

- Center for Fluorescence Spectroscopy
- Center for Translational Research in Imaging (CTRIM)
- Confocal Microscopy Facility
- Electron Microscopy Facility
- Magnetic Resonance Research Center

CYTOMETRIC AND BIOASSAY FACILITIES

- Cytokine Laboratory
- Flow Cytometry Facility
 - Center for Vaccine Development Laboratory
 - Greenebaum Comprehensive Cancer Center Shared Service
- μ QUANT Facility

CLINICAL RESOURCE FACILITIES

- NICHD Brain and Tissue Bank for Developmental Disorders
- Pathology Biorepository Shared Service
- UMM Biorepository

ANIMAL MODEL RESOURCE FACILITIES

- Translational Core Laboratory
- Veterinary Services

BIOINFORMATICS AND STATISTICS RESOURCE FACILITIES

- Biostatistics
- Center for Health-Related Informatics and Bioimaging (CHIB)
- Clinical & Translational Research Informatics Centers
- Informatics Resource Center

BIOMEDICAL RESEARCH SUPPLY STORE (BIORESCO)

CENTER FOR INNOVATIVE BIOMEDICAL RESOURCES

BIOMEDICAL TECHNOLOGY SUPPORTING RESEARCH, HEALTHCARE AND EDUCATION



LOCATION

Many of the CIBR resources are located on the 7th floor of the Bressler Research Tower and on the 6th floor of Howard Hall and Health Sciences Facility I. Owing to their specific space and research requirements, some cores are located in other areas on campus.

Our main administrative office is located at:
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