

# CENTER FOR INNOVATIVE BIOMEDICAL RESOURCES

Services • Instrumentation • Supplies • Expertise

## MISSION

To provide specialized expertise, cutting-edge technologies and sophisticated scientific resources that support a robust basic, clinical, translational, and population science 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 investigators and clinicians with easy access to fair-priced, state-of-the-art technologies, services, and expertise necessary to catalyze high-impact science and support the clinical mission
- Foster a collaborative, interdisciplinary research environment
- Provide centralized oversight of business operations and resource management including rate setting and business planning, monthly billing and collections, review of large instrumentation purchases, support of shared instrumentation grant applications, websites, iLab portal, communications, marketing, etc.

## CORES

### STRUCTURAL BIOLOGY FACILITIES

- Biosensor Facility
- NMR Facility

### NUCLEIC ACID AND GENOMIC FACILITIES

- Cytogenetics Facility \*CLIA
- Maryland Genomics \*CLIA
- Translational Genomics Lab \*CLIA

### IMAGING TECHNOLOGIES

- Center for Translational Research in Imaging (CTRIM)
- Confocal Microscopy Facility
- Electron Microscopy Facility

### CYTOMETRIC AND BIOASSAY FACILITIES

- Cytokine Laboratory
- Flow Cytometry Facility
  - Center for Vaccine Development Laboratory
  - Greenebaum Comprehensive Cancer Center Shared Service
- Nanofabrication and Characterization Core
- Red Blood Cell Physiology and Hemostasis Core
- $\mu$ QUANT Facility

### CLINICAL RESOURCE FACILITIES

- NICHD Brain and Tissue Bank for Developmental Disorders
- Cytogenetics Laboratory \*CLIA
- Maryland Genomics \*CLIA
- Pathology Biorepository Shared Service
- Pediatric Biochemical Genetics \*CLIA
- UMM Biorepository

### ANIMAL MODEL RESOURCE FACILITIES

- Translational Laboratory Shared Service
- Veterinary Services

### BIOINFORMATICS AND STATISTICS RESOURCE FACILITIES

- Biostatistics and Informatics Core
- 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:  
Room 7-037, Bressler Research Building  
655 West Baltimore Street  
Baltimore, MD 21201  
410-706-3339

### CONTACT



**Nicholas Ambulos, PhD**  
Director, Center for Innovative  
Biomedical Resources  
Associate Director, UMGCCC Shared  
Services  
nambulos@som.umaryland.edu



**Thomas McHugh, MS**  
Director, Research Business Operations  
SOM Office of Resource Management  
tmchugh@som.umaryland.edu



**Janet Meyer**  
Senior Program Specialist  
jmeyer@som.umaryland.edu

### EMAIL

CIBR@som.umaryland.edu