

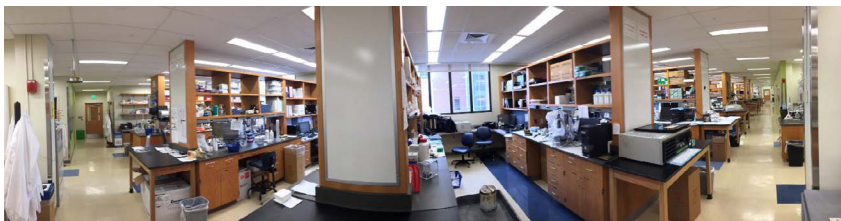
# CENTER FOR INNOVATIVE BIOMEDICAL RESOURCES

## MISSION

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

## ABOUT CIBR

In November, 2013, the University of Maryland School of Medicine (UMSOM) launched the Center for Innovative Biomedical Resources (CIBR), the organizational framework for the 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 Vision

- 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
- $\mu$ 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

# CENTER FOR INNOVATIVE BIOMEDICAL RESOURCES

## BIOMEDICAL TECHNOLOGY SUPPORTING RESEARCH, HEALTHCARE AND EDUCATION



### LOCATION

The renovation of nearly 30,000 square feet of space was made possible through a \$7.3 M NIH grant funded through the American Recovery and Reinvestment Act. Many of the CIBR resources have relocated to recently renovated space on the 7th floor of the Bressler Research Tower or 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.

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