

ABOUT UF ICBR

The University of Florida Interdisciplinary Center for Biotechnology (UF | ICBR) is the premier campus shared resource facility that provides extraordinary support services and facilitated access to advanced cutting-edge scientific technology to University of Florida scientists. Offering more than 400 different services, the ICBR is comprised of 7 core laboratories including Monoclonal Antibodies, Bioinformatics, Flow Cytometry, Electron Microscopy, Next Generation DNA Sequencing, Gene Expression Analysis and Genotyping, and Mass Spectrometry and Proteomics. ICBR experts provide no cost consultation to UF investigators in optimal use of advanced technologies, experimental design, sample preparation, and data analysis.

With easy access to services by online scheduling, special UF pricing, multiple locations and renowned expertise, UF ICBR is the first choice of UF faculty for biotechnology support.

"Our mission is to champion and enable scientific discovery and innovation throughout the University of Florida research community by providing access to world-class biotechnology expertise and instrumentation. We look forward to working with you!"

- Dr. Anna-Lisa Paul, Director of ICBR

LOCATIONS



**Cancer & Genetics
Research Complex**
South Wing
2033 Mowry Road
Gainesville, FL 32610
Supports all ICBR cores

352.273.8030

McKnight Brain Institute

MBI L3-160 & LG-164
1149 Newell Drive
Gainesville, FL 32610
Supports ICBR Cytometry

352.273.8550



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The University of Florida Interdisciplinary Center for Biotechnology Research (ICBR) provides extraordinary support services and facilitated access to advanced cutting-edge scientific technology for University of Florida faculty, staff and graduate students, as well as research and commercial partners worldwide. Founded in 1987, ICBR has a rich history of enabling life science researchers by allowing scientists to focus on their research without the burden of developing and maintaining the infrastructure and expertise to support ever-changing technologies.

ICBR provides easy access to cost-effective expertise and instrumentation through CrossLab where investigators and their lab can obtain user accounts that allow online service requests as well as training session enrollment, self-user instrument reservations, and direct simplified billing. Free consultations with our experts ensure proper experimental design and the selection of appropriate methodologies and streamlined data delivery.

FEATURED SERVICES

Single cell RNA-Seq & Spatial Transcriptomics

Long and short read DNA library construction

Whole genome sequencing, Exome sequencing, 16S & rDNA
Metagenomic Sequencing

RNA-Seq, ChIP-Seq, ATAC-Seq, & DNA methylation analysis
Flow cytometry, cell sorting, nanoparticle/exosome analysis &
optical microscopy

MALDI MS based microbe identification

Quantitative proteomics (LFQ, SILAC, iTRAQ, TMT) & metabolite
analysis

CryoEM, Transmission & Scanning Electron Microscopy

Hybridoma Antibody Production & Western Blotting

Live Cell Imaging & Analysis

FEATURED INSTRUMENTS

Illumina NovaSeq X Plus, PacBio SEQUEL IIe & ONT PromethION
Sequencers

QIAcuity Digital PCR System & 10X Genomics Chromium X
Bruker TIMStof flex & ThermoFisherQ ExactivePlus Hybrid
Quadrupole-Orbitrap, TSQ Altis QQ

Luminex FLEXMAP 3D® System & Bruker MALDI Biotyper® Sirius

FEI G2 F20 200kV & Talos L120C G2 120 kV TEMs

Hitachi SU5000 FEG Variable Pressure SEM

Accuri C6, SP6800 Spectral, Cytex Aurora Spectral, Fortessa,
CytoFLEX LX, Canto, Symphony A3, & Symphony S6, Fusion,
& SH800 sorters

NanoSight NS300 & NanoFCM

Keyence, IVIS Spectrum, Stellaris 8 & Confocal Microscopes
Sartorius Octet QKe Biolayer Interferometer & BioTek Cytation 5
Imaging Microplate Reader

biotech.ufl.edu | 352.273.8030



GUIDE TO OVER 400

Biotech Services

IN BIOTECHNOLOGY AND RESEARCH SUPPORT

BIOINFORMATICS | CYTOMETRY | ELECTRON MICROSCOPY

GENE EXPRESSION & GENOTYPING | MONOCLONAL ANTIBODY

NEXTGEN DNA SEQUENCING | PROTEOMICS & MASS SPECTROMETRY

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your pursuit is what drives us.

BIOINFORMATICS

ICBR-Bioinformatics@ad.ufl.edu | 352.273.8049

ICBR Bioinformatics provides consultation and data analysis services to help researchers toward an in-depth understanding of large-scale data sets acquired from NGS, gene expression and spatial omics technologies.



GENE EXPRESSION & GENOTYPING

ICBR-Genotyping@ad.ufl.edu
ICBR-GeneExpression@ad.ufl.edu | 352.273.8043

ICBR Gene Expression & Genotyping provides all aspects of RNA expression and genotyping analysis, including library generation for bulk and single cell RNASeq analysis, targeted RNA transcript analysis by ddPCR, and spatial gene expression analysis.

CYTOMETRY

ICBR-Cytometry@ad.ufl.edu | 352.273.6032 (Cytometry)
352.392.1745 (Microscopy)

ICBR Cytometry provides tools and expertise for cellular analysis and sorting using a variety of platforms. Other services include nanoparticle/exosomes analysis, in-vivo bioluminescent imaging and confocal microscopy.



MONOCLONAL ANTIBODY

ICBR-MonoclonalAntibody@ad.ufl.edu | 352.273.8040

ICBR Monoclonal Antibody supports the production of hybridomas, polyclonal Abs, and rAbs in cells. Immunoassay development services provided (e.g., ELISA & BLI for biomolecular kinetics). The new MALDI Biotyper instrument instantly identifies microbes. Cytation 5 automated live-cell imaging multimode plate reader captures cellular info & well-based assay data.

NEXTGEN DNA SEQUENCING

ICBR-NextGenSeq@ad.ufl.edu | 352.273.8050

ICBR NextGen DNA Sequencing provides massively parallel, high-throughput sequencing services supporting a broad range of applications using short and long read technologies for targeted exon sequencing, bulk and single cell RNASeq, metagenomics, and more.

ELECTRON MICROSCOPY

ICBR-ElectronMicroscopy@ad.ufl.edu | 352.273.8547

ICBR Electron Microscopy supports research in structural biology and other projects requiring microscopic imagery. Major service categories include room temperature and cryo transmission and scanning EM, confocal laser scanning microscopy, sample prep and self-user training.



PROTEOMICS & MASS SPECTROMETRY

ICBR-Proteomics@ad.ufl.edu | 352.273.8060

ICBR Proteomics & Mass Spectrometry provides proteomics services and trains faculty, staff and students in state-of-the-art proteomics and mass spectrometry technologies.

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Free Consultations
Monday-Friday 8am-5pm