

## ABOUT UF ICBR

The **Interdisciplinary Center for Biotechnology Research** is the University of Florida's premier scientific research service center. ICBR's mission is to champion and enable scientific discovery and innovation throughout the research community by providing access to world-class biotechnology expertise and instrumentation.

ICBR cores work collaboratively to streamline sample processing and deliver analysis and results. Multi-core projects provide seamless start-to-finish service, ensuring appropriate experimental design, faster turnaround time and simplified billing.

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

## 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



# UF | ICBR

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.

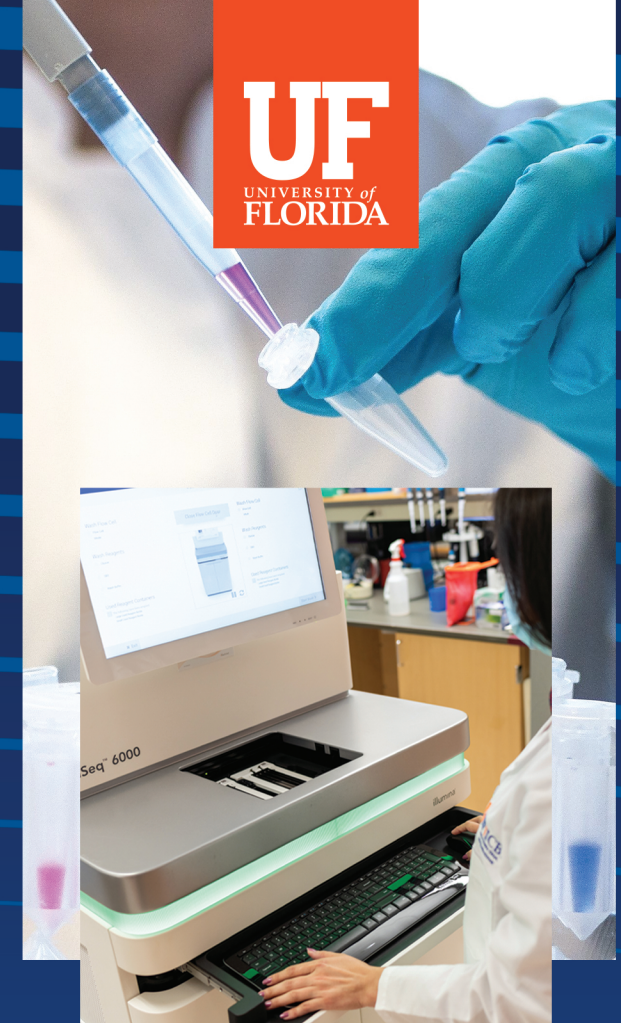
## FEATURED SERVICES

- Single cell RNA-Seq
- Monoclonal antibody production
- Long and short read DNA sequencing
- Exome sequencing, whole genome sequencing and de novo genome assembly
- Metagenomics and 16S rDNA Sequencing
- Quantitative proteomics and targeted metabolite analysis
- Flow cytometry and FACS
- CryoEM, Transmission and Scanning Electron Microscopy
- Immunoassay development and automated Western Blotting
- Biomarker discovery
- SNP Genotyping

## FEATURED INSTRUMENTS

- Illumina NovaSeq6000, PacBio SEQUEL IIe and ONT PromethION DNA Sequencers
- Bruker TIMStof fleX and ThermoFisherQ ExactivePlus Hybrid Quadrupole-Orbitrap mass spectrometers
- QIACUITY ddPCR instrument
- Keyence Fluorescence Microscope BZ-x800
- Sony SP6800 Spectral Analyzer
- Luminex FLEXMAP 3D® Multiplexing Instrument
- FEI G2 F20 200kV Transmission Electron Microscope
- Nikon Multiphoton Super Resolution Imaging System
- IVIS Spectrum 770 Pre-Clinical Optical Imaging System
- BD Fortessa, CytoFLEX and SYMPHONY S6 Flow Cytometers
- 10X Genomics Chromium Single Cell Analysis System
- ProteinSimpleWes™ Protein Analysis System
- Cytation 5 Cell Imaging Multimode Reader

[biotech.ufl.edu](http://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

**UF | ICBR**  
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 array-based 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 and Nanoparticle)  
352.392.1745 (Microscopy)

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



## MONOCLONAL ANTIBODY

ICBR-MonoClonalAntibody@ad.ufl.edu | 352.273.8040

ICBR Monoclonal Antibody supports the production of mouse monoclonal and polyclonal antibodies for basic and applied research. We provide hands-on training in label-free detection of bimolecular interactions using BLI technology, automated western blotting and immunoassay development.

## 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