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# Directory of Services (DOS)

## Overview

Rooted in a commitment to unravel the complexities of Research, BIODESK stands as a beacon of innovation. Our multidisciplinary approach seamlessly integrates groundbreaking research with advanced diagnostics, redefining the paradigm of excellence.



**PATHOLOGY**  
**MICROBIOLOGY**  
**BIOCHEMISTRY**  
**GENOMICS**  
**PROTEOMICS**  
**MOLECULAR BIOLOGY**  
**BIOINFORMATICS**  
**BIOTECHNOLOGY**

Welcome to BIODISK, a global beacon of innovation and research excellence. We understand the universal challenges aspiring researchers, students, and scientists face when it comes to accessing advanced laboratory facilities and navigating the complexities of research procedures. Our mission is to bridge these gaps and propel you toward groundbreaking discoveries. With a state-of-the-art laboratory, BIODISK symbolizes cutting-edge technology, providing unrestricted access to all our facilities. Our commitment goes beyond offering advanced resources; we believe in empowering individuals at every stage of their research journey. Through hands-on experience, comprehensive training, and unwavering support, BIODISK ensures you transcend obstacles and realize the full potential of your scientific pursuits. Join us in shaping the future of research, where possibilities are limitless, and innovation knows no boundaries. Welcome to BIODISK – where your research aspirations meet global excellence.

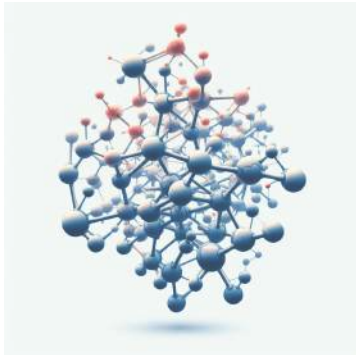
**Whether  
you are a scientist  
with big dreams or an  
experienced postdoc striving  
for excellence, we are here for you.**

**At BIODISK we believe in a non-hierarchical  
leadership system that encourages collaboration,  
promotes growth, and helps you reach your full potential.**

# OUR DEPARTMENTS

## PATHOLOGY

**Karyotyping**  
**Cell count**  
**Hematology profile**  
**Histopathological Staining**  
**Cytochemical staining**  
**Body fluid analysis and more**



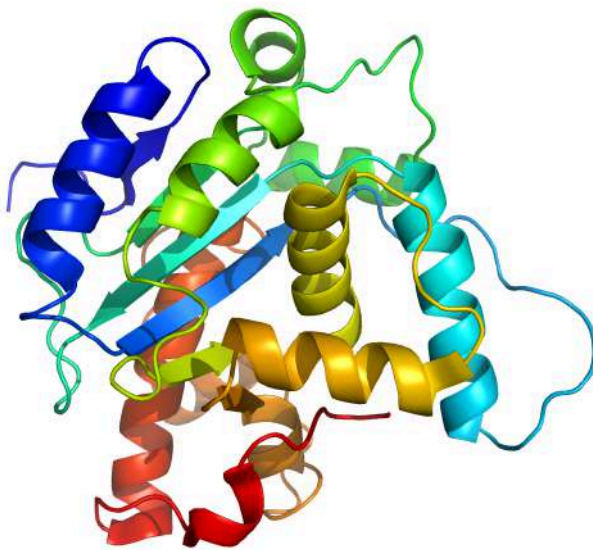
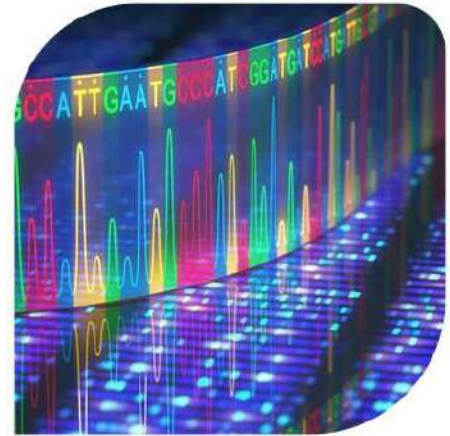
## BIOCHEMISTRY

**Enzymology**  
**ELISA/GLIA/RIA/FIA**  
**Phytochemical Extraction and Analysis**  
**Drug development**  
**Organ function Profiles**  
**Hormone profiles and more**

## MICROBIOLOGY

**Isolation, culturing, and media optimization for microbes**  
**Biochemical evaluation of microorganisms**  
**Metabolite screening and analysis**  
**Biofilm assay**  
**Antibiofilm Assay**  
**Antibiotic Sensitivity Test (ABST)**  
**MIC & MBC**  
**Antibiotic development**  
**Molecular Characterization of Microbes**

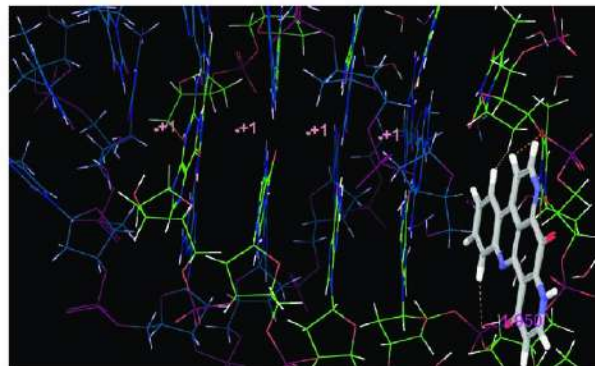


**GENOMICS SERVICES****PCR****DNA Barcoding****Bacterial Molecular identification and characterization****Fungal Molecular identification and characterization****Pathogen Identification****Molecular Identification of Prokaryotes and Eukaryotes****DNA Fingerprinting Service ( RFLP/ RAPD/ERIC)****Genotyping Services****Cloning & Sequencing for Amplified Products****Full-length cDNA Cloning Services.****Primer Designing, synthesizing, and PCR development****Gene Expression and SNP Genotyping****Microsatellite Discovery and Genotyping****DNA Methylation Analysis****Oncogenomics****PROTEOMIC SERVICE****Protein analysis****Protein purification and characterization****Extraction and purification of Enzymes**



## **BIOINFORMATICS & STATISTICAL ANALYSIS SERVICES**

Data-intensive, large-scale biological problems are tackled through Bioinformatics strategies. A wide range of research services is offered by BIODSK for the pharmaceutical/Biotech/Life science industries, Medical graduates/postgraduates, and Ph.D. scholars. BIODSK also offers drug designing services and statistical analysis for Pharmaceutical and Biotechnology companies. Eg: Homology model, Molecular docking, etc:



## **TRAINING**



We provide comprehensive personal support to our dedicated scientists and offer short-term, customizable laboratory training modules tailored to your specific requirements.

Annual Summer Internship and Hands-on Training Program for UG, PG, PhD/ M.Phil. BIODSK assists candidates who want to perform skilled experiments as a part of their UG, PG, Ph.D./ MPhil research programs in Biotechnology, Microbiology, Biochemistry, Health sciences, Paramedical, BDS/MDS, Medicine, and other science-related specializations.

## Customized 1:1 mentoring

BIODESK offers a range of customized packages to suit your specific project requirements. We believe in providing solutions that are as individual as you are. With our three distinct package options, you can choose the level of service and support that best aligns with your needs. Explore our packages to find the one that's perfect for you.



**Foundation**

**Featured**

**Elite**

**BIODESK presents a vast ocean of opportunities for both students and industries alike. Our extensive network of collaborations spans national and international levels, and we are dedicated to delivering premium-quality work in every possible way. Clients are welcome to utilize our facilities without any restrictions, and our collaborators are encouraged to engage while adhering to our standard operating procedures (SOPs). From research and training to development, BIODESK consistently upholds the slogan: 'Embrace scientific excellence with passion.' Join us in our commitment to advancing knowledge and fostering a culture of unwavering dedication to scientific excellence.**