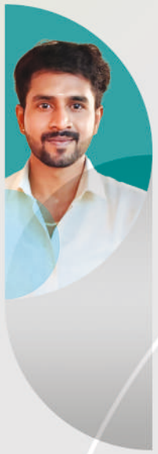
ORGANISING COMMITTEE

Dr. M Sudhan
Organising Secretary

Dr. S Usha
Organising Head



Mr. Naveen J
Organising Member

Ms. Akshara M K S
Organising Member

Registration fee:

For Students	:	**Rs 300/-**
For Staffs	:	**Rs 400/-**
Payment Mode	:	Online
Name	:	SBDCH HUMAN GENETICS
Account No	:	4921000100012176
IFSC code	:	PUNB0492100
Number of participants	:	40
Workshop Liaison	:	

Mr. Naveen J
Phone : **7708446784**
E mail : naveenjayasankar@sbdch.bharathuniv.ac.in

Dock & Draft:
A HANDS-ON BIOINFORMATICS WORKSHOP

Organised by the

Sree Balaji Dental College and Hospital
Bharath Institute of Higher Education and Research
Chennai, Tamilnadu

Date: **06/03/2026**
Time: **9.00 am - 3.00 pm**
Venue : **Sree Balaji Dental College and Hospital Auditorium**
Chennai

Participants :

Interested UG & PG students, Staffs, CRI's of SBDCH are mandatory

All participants should bring their laptop

Registration Link:
https://forms.gle/cE7M1GcQYFq2X4b58

Last date of registration: **25/02/2026**

Human Genetics Research Centre Dossier

The Human Genetics Research Centre (HGRC), established in 2010, is dedicated to investigating the genetic basis of dental and oral diseases, and in correlation with several disease risk including Diabetes, Cardiovascular disease. Located at SBDCH, the Centre is equipped with Department of Science and Technology-FIST (College-as-a-Whole) funded infrastructure facility, enabling advanced molecular research in both clinical and basic sciences. The primary focus of HGRC is the analysis of genetic variants and the identification of disease-specific biomarkers. The Centre actively investigates mutations and their role in gene regulation using advanced molecular biology techniques and bioinformatics tools to assess disease risk and protein targets. Through these integrated approaches, HGRC aims to identify genetic markers and develop targeted therapeutics through genomics, thereby advancing personalized medicine.

LEARNING SPARKS

- Protein and Ligand Retrieval for Molecular Docking Studies
- Preparation of Protein and Ligand Structures for Docking Analysis
- Grid Generation for Defining the Docking Search Space
- Blind Docking to Identify Potential Binding Sites
- Molecular Docking Using AutoDock Software
- Protein–Ligand Interaction Analysis After Docking
- ADME Analysis for Drug-Likeness and Pharmacokinetic Evaluation

SPEAKER

Dr. Angeline Julius

Founder & Director
Angel Innov Solutions Pvt. Ltd

Dr. Angeline Julius began her career as an academic researcher, working extensively in drug target identification, molecular modeling, and therapeutic development. Her early research focused on diabetic retinopathy, where she integrated bioinformatics, in vitro validation, and drug evaluation to establish aldose reductase as a promising therapeutic target.As her work evolved, she expanded beyond conventional drug studies to explore natural therapeutics, nanoparticle-based drug delivery systems, and stem cell mediated approaches, addressing critical challenges in bioavailability and clinical translation. Recognizing that high-quality research must extend beyond publication to create meaningful societal impact, she transitioned from academia into innovation and entrepreneurship. Today, as a Founder and Director of Angel Innov Solutions Pvt. Ltd., she operates at the intersection of research, intellectual property, product development, and medical device innovation facilitating the transformation of scientific discoveries into protected, scalable solutions with real-world relevance.

Drug Discovery Pipeline

Target Identification & Retrieval, Ligand Selection & Preparation, Molecular Docking, Molecular Dynamics Simulation, Hit-to-Lead Optimization, ADMET Prediction, Final Candidate Selection

Dr. J. Sri Nisha

Vice President
Bharath Institute of Higher Education and Research,
Chairperson
Sree Balaji Group of Institutions

Er N. Elamaran

Managing Director
Sree Balaji Group of Institutions

Dr S Bhuminathan

Registrar, BIHER

Dr M S Kannan

Organising Secretary