

ORGANISING COMMITTEE



Dr. S Usha
Organising Head



Dr. M Sudhan
Organising Secretary



Ms. Akshara M K S
Organising Member



Mr. Naveen J
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

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**



GENETIC VARIANT DECODING & MANUSCRIPT DRAFTING: *A Hands-on* BIOINFORMATICS WORKSHOP

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

Date: **27/02/2026**
Time: **9.00 am - 3.00 pm**
Venue : **Sree Balaji Dental College and Hospital Auditorium**
Chennai



Human Genetics Research Centre Dossier

GOVT. OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF SCIENCE & TECHNOLOGY (DST)
FUND FOR IMPROVEMENT OF SCIENCE AND TECHNOLOGY (FIST)
SPONSORED INSTRUMENTATION FACILITY CENTRE
(SR/FST/College - 2017/23)



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.

WORKSHOP THEMATIC FOCUS

- Prediction of deleterious gene variants and their pathogenic potential.
- Assessment of structural and functional impact of variants in disease.
- Evaluation of protein stability and mutation-induced stability changes.
- Secondary structure prediction and analysis of structural alterations.
- Analysis of protein-protein interaction networks.
- Investigation of gene-gene interaction and functional pathways.

SPEAKER

Dr. USHA SUBBIAH

Head of the Department

Prof. Dr. Usha Subbiah served as the Principal Investigator under the DST-FIST Programme (2018-2023) and established a government-funded, well-equipped Human Genetics Research Centre to bridge academics and research, focusing on the screening of genetic markers for diagnostic and therapeutic applications, while providing a molecular genetics research platform for students and faculty. She received prestigious Junior and Senior Project Fellowships from the University Grants Commission (UGC), Government of India, during her PhD, focusing on novel antimutagens and molecular splicing mechanisms. She has published over 60 research articles in high-impact, Scopus-indexed journals, along with international book chapters published by Springer Nature and Elsevier. Actively guiding UG, PG, and PhD scholars in biotechnology, biomedical, and clinical sciences, her research significantly contributes to identifying genetic variants, regulatory mechanisms, and translational biomarkers in oral and systemic diseases, thereby strengthening precision medicine approaches in dental and medical genetics.



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

