



SREE BALAJI DENTAL COLLEGE AND HOSPITAL

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH



HANDS ON WORKSHOP ON MOLECULAR APPROACHES IN DENTAL RESEARCH

Human Genetics Research Centre

(DST-FIST Sponsored Facility)

Hands On Workshop On Molecular Approaches In Dental Research

The primary objective of this hands-on workshop is to provide participants with practical knowledge of cutting-edge molecular techniques that are transforming dental research and diagnostics. Through hands-on training in nucleic acid isolation, quantification, and gene expression analysis, attendees will gain essential skills to explore the genetic basis of oral diseases. Join us to bridge the gap between molecular biology and dentistry, enhancing your expertise for clinical applications.

WORKSHOP HIGHLIGHTS

- 1. Overview - Molecular Techniques in Dentistry**
- 2. Nucleic acid Isolation from Dental sample**
 - DNA
 - RNA
- 3. Nucleic acid Quantification**
 - Gel electrophoresis
 - Fluorimeter
- 4. Gene Amplification and Expression**
 - Reverse transcription
 - Real time PCR
- 5. Protein Quantification**
 - ELISA Theory & Applications

Participants :

UGs, PGs, & interested Staffs

Time: **1 PM-3 PM**

Workshop:

3 days (25/06/2025-27/06/2025)

Venue: **SBDCH Auditorium & Human Genetics Research Centre, SBDCH, Pallikaranai, Chennai- 600100**

Certificates will be issued

Payment : For Students Rs 400/-
For Staff Rs. 500/-

Payment Mode : Online

Account Name : SBDCH HUMAN GENETICS

Account No : 4921000100012176

IFSC code : PUNB0492100

Branch : Punjab National Bank,

Pallikaranai, Chennai-600100



Organizer : **Dr. S. Usha**

Professor and Head

Human Genetics Research Centre

Sree Balaji Dental College and Hospital,

Pallikaranai, Chennai - 600100



For Enquiry

Dr. Sudhan

Research Associate

Ph.No. **8124385988**

Registration link: <https://forms.gle/isnppTLh8xp5UQwV8>

Last Date of Registration : 20.06/2025 @ 10.00pm



Dr. J. Srinisha
Chairperson



Er. N. Elamaran
Managing Director



Dr. S. Bhuminathan
Registrar



Dr. M. S. Kannan
Dean

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