



# VIT

Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

## SYMPOSIUM CUM WORKSHOP

Gene Editing and  
Clinical trials



September 21st and 22nd, 2024

Guest lectures, Workshops,  
Poster presentation,  
and more...

Organized by :  
Department of Bio-Medical Sciences  
School of Biosciences & Technology  
Vellore Institute of Technology  
Vellore



### ABOUT DNA DAY

2024 marks the 202nd birth anniversary of Sir **Gregor Mendel**, who is attributed as FATHER OF GENETICS. His work with pea plants laid the foundation for modern genetics. On April 23rd of 1953, James Watson, Francis Crick along with Maurice Wilkins, and Rosalind Franklin published a paper in Journal of Nature on the double helix structure of DNA, paving way to the advancements in knowledge, understanding and research in the field genetics. The completion of Human Genome Project was announced on April 25, 2003 and from here on the DNA DAY was celebrated. The 1000 Genomes Project which came to an end in 2023 revolutionizing the Computational Biology in the field.

To celebrate these milestones, the students of M.Sc. Biomedical Genetics at SBST, VIT present the 11th National DNA Day on September 21st and 22nd, 2024. This year's theme, "Gene Editing and Clinical Trials," focuses on how genetic advancements are transforming modern medicine.

*Join us to explore these exciting developments.*



### ORGANIZING COMMITTEE

#### Honourable Patron

Dr. G. Viswanathan, Founder & Chancellor

#### Chief Patrons

Mr. Sankar Viswanathan, Vice President

Dr. Sekar Viswanathan, Vice President

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SBST

Dr. Devi Rajeswari V., Head, Department of  
Biomedical Sciences, SBST

#### Convenors

Dr. Radha Saraswathy, Professor Higher  
Academic Grade, SBST

Dr. Abilash V.G., Associate Professor  
Grade 2, SBST

# CHRONICLES OF VIT

Vellore Institute of Technology (VIT), founded in 1984 by Dr. G. Viswanathan celebrates its 40th year. The University attracts students from all Indian states and UTs and around 60 countries. Renowned for its research, VIT has numerous SCOPUS-indexed publications and 14 ABET-accredited programs, of which 58 Professors of VIT are amongst the Top 2% Scientists in the World according to the study conducted by Stanford University, USA in 2023. Innovations like the Fully Flexible Credit System (FFCS) and Project-Based Learning (PBL) enhance student learning and employability. VIT collaborates with various academic, research, and industry partners, boosting its academic and research profile. It is ranked 8th Best in University by MHRD NIRF Ranking, Govt. of India, and ranked 791-800 in QS World University Ranking 2024. VIT's engineering and technology subjects are globally ranked (QS 2022). The institute holds an A++ NAAC Accreditation and is in the top 200 universities in Asia (QS Asia 2022).

## ABOUT SBST

The School of Bio Sciences and Technology consists of four departments namely Biotechnology, Integrative Biology, Bio Sciences and Bio-Medical Sciences headed by well-trained professors. The school offers an undergraduate (B.Tech. Biotechnology) and six Postgraduate (M.Sc. and M. Tech.) programme. It also offers Integrated Ph.D. and Ph.D. programme. There are 2300+ students and around 705 PhD Scholars in the school for the currently enrolled, additionally we are proud to have faculties working on projects supported by various national research funding agencies. The priority of the SBST is developing entrepreneurship skills and mentoring students to become future scientists for the improvement of humanity. Our efforts are strengthened by collaboration with national, international Universities and multinational companies. Consultancy research and commercialization of products at the University are undertaken as a part of the program. The school houses excellent infrastructure and well-trained faculty members which makes SBST one among the top ten Bio School in the country.

## ABOUT THE DEPARTMENT OF BIO-MEDICAL SCIENCES

The Department of Bio-Medical Sciences under The School of Bio-Sciences and Technology commits to the Academia and research. It offers 2 Postgraduate courses namely M.Sc. Applied Microbiology and M.Sc. Biomedical Genetics. The course of Biomedical Genetics aides the students with the basic understanding and trailing till the present day advancements in the field. It adds on the skillset for Clinical and laboratories needed in this field. It fosters strong collaborations with national and international institutions, multinational companies, and visiting scientists, enhancing interactions between academia and the biotech industry. The two-year M.Sc. in Biomedical Genetics provides a comprehensive understanding of disease genetics and develops clinical and laboratory skills. Students can choose a specialization in Genetic Counselling, which includes clinical rotations in hospitals.

## ORGANIZERS

### FACULTY

Dr. Sabina E. P.  
Dr. Jayasri M. A.  
Dr. Gayathri M.  
Dr. Rahul Vashishth  
Dr. Naveen Kumar P.  
Dr. Arnold Emerson I  
Dr. Sudesh R.  
Dr. Suresh P. K.  
Dr. Asha Devi S.  
Dr. Sunantha G.

### STUDENTS

Adwitiya Bhattacharjee  
Aishwariya K  
Aniket Pal  
Bhatti Tasmiyah  
Debarghya Dutta  
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