



Seek and Ye Shall Find

AVINASHILINGAM INSTITUTE

FOR HOME SCIENCE AND HIGHER EDUCATION FOR WOMEN

COIMBATORE - 641043, TAMIL NADU, INDIA

Deemed to be University Estd U/S 3 of UGC Act 1956, Category 'A' by MHRD

Re-accredited with 'A++' Grade by NAAC, CGPA 3.65/4

Recognised by UGC under section 12B



CGPA 3.65/4

Category 'A' by MHRD



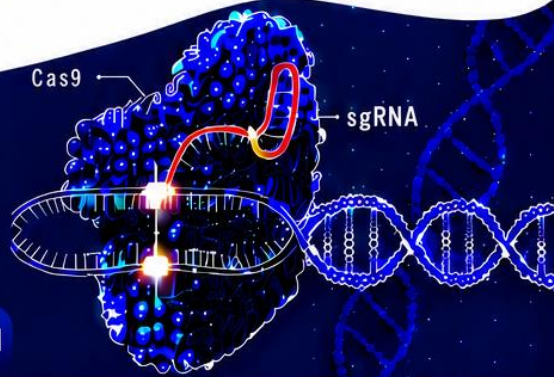
UGC

12B Recognised

WORKSHOP ON

CRISPR-Cas GENOME EDITING

August 3 - 5, 2026 | Bicscience Seminar Hall



ABOUT THE WORKSHOP

Rapid advancements in genome editing are transforming agriculture, diagnostics, therapeutics, and biotechnology. This premium 3-day workshop is designed for faculty, researchers, and scholars from diverse, non-domain biological backgrounds. It provides a step-by-step pathway to confidently understand and apply CRISPR-Cas genome editing in your active research.



CORE OBJECTIVES



To master the fundamentals of CRISPR-Cas systems and genome editing principles.



To standardise hands-on genome editing workflows and outcome validation.



To confidently navigate Indian biosafety and regulatory compliance.

EXPECTED OUTCOMES



DESIGN: Use computational tools to design high-efficiency gRNAs and predict off-target effects.



EXECUTE: Perform genome editing experiments and analyse results.



VALIDATE: Validate genome edits using ICE, TIDE, Sanger sequencing, and NGS data.



COMPLY: Navigate ICMR-DBT guidelines and prepare submissions for regulatory approvals.

REGISTRATION LINK (GOOGLE FORM)

<https://forms.gle/RgRzT8E2FVDJzArp8>

SCAN & PAY



Indian Bank
Account Number
6010310202
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FEE STRUCTURE

₹3,000

+ 18% GST

SEAT LIMIT

STRICTLY RESTRICTED TO

20

SLOTS ONLY
(First-Come, First-Served)



WORKSHOP SESSIONS & SPEAKERS



- Introduction to CRISPR Systems: Principles, Components and Applications
- Target Site Analysis and Guide RNA Design: Genes, Genomes and Genome Annotations

Speaker: Dr. Kalpana Surendranath

Founder & Director, Westminster Centre for Gene Editors of the Future, University of Westminster, London



- Advanced CRISPR Toolkit for Forest Trees and Crops

Speaker: Dr. Matheesh Nambiar Veetil

Scientist F, Plant Biotechnology Division, Institute of Forest Genetics and Tree Breeding, Coimbatore



- Bioinformatics for Plant Genomes

Speaker: Dr. A. R. Sakthi

Women Scientist, Department of Plant Biotechnology, Centre for Plant Molecular Biology and Biotechnology, Tamil Nadu Agricultural University, Coimbatore



- Plant CRISPR Toolkits & Delivery Systems

Speaker: Dr. K. Kumar

Professor, Department of Plant Biotechnology, Centre for Plant Molecular Biology and Biotechnology, Tamil Nadu Agricultural University, Coimbatore



- Global and National Regulatory Frameworks

Speaker: Dr. J. Angayarkanni

Professor, Department of Microbial Biotechnology, Bharathiar University, Coimbatore



ORGANIZING SECRETARIES

Dr. Kalaiselvi Senthil

Professor & Head
Department of Biochemistry,
Biotechnology and Bioinformatics

Dr. S. Sumathi

Professor
Department of Biochemistry,
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Certificate will be provided to all participants

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