



TWO-DAY WORKSHOP

ADVANCES IN MOLECULAR GENETIC TECHNIQUES

10-11 FEBERUARY

Organized by

Department of Biotechnology
University of Kashmir
and
ANRF-DST, New Delhi



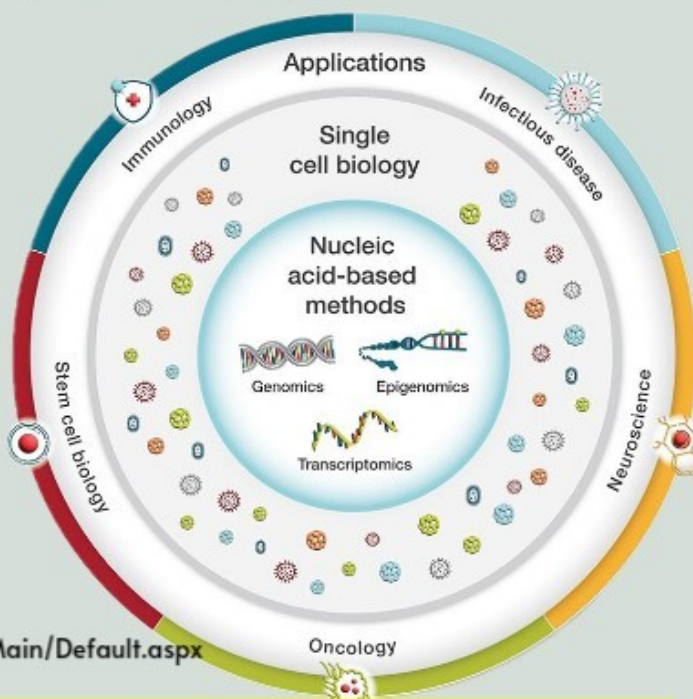
Target Audience

- College faculty
- Scholars
- PG students

Register here



For more details visit:
<https://biotechnology.uok.edu.in/Main/Default.aspx>



सत्यमेव जयते
ANRF-DST

Venue: Science Complex, Dept. of Biotechnology

Contact: abrar.qurashi@uok.edu.in

2-Days Hands-on Workshop on Advances in Molecular Genetic Techniques Feb 10-11, 2025

Concept note

The Department of Biotechnology, University of Kashmir in collaboration with ANRF, Department of Science and Technology, New Delhi is excited to announce an in house two-day workshop on Advances in Molecular Genetics Techniques. This initiative aligns with the Hon'ble Prime Minister's vision of fostering Scientific Social Responsibility (SSR), leveraging the immense potential of Universities and scientific institutions to drive societal progress.

Molecular genetics is a rapidly evolving field at the forefront of biological research and medical advancements. It combines classical genetic concepts with cutting-edge technologies to unravel the complexities of gene function, regulation, and expression. With its applications spanning fundamental biology, disease research, and therapeutic development, understanding recent advances in molecular genetics has become crucial for both research and teaching endeavors.

The primary objective of this workshop is to explore recent developments in the field of molecular genetics and provide participants with hands-on training in advanced molecular genetics techniques to enhance the research capabilities of participants while fostering collaboration and knowledge-sharing among researchers.

A certificate of participation will be provided at the end of the workshop.

Workshop Structure

The program is structured to balance theoretical knowledge with hands-on exercises. Each day will include lectures by experts followed by hands-on-training session to facilitate active learning.

Day 1: Foundational and Advanced Molecular Genetics Techniques

- Fundamentals of molecular genetics, including DNA replication, transcription, and translation.
- Advanced gene editing technologies such as CRISPR-Cas9
- High-throughput sequencing techniques like RNA-Seq and ChIP-Seq.

Day 2: Applications and Future Directions in Molecular Genetics

- Single-cell genomics and its role in understanding complex biological systems.
- Functional genomics approaches for disease modeling using model organisms.

Target Audience: College faculty, Scholars, PG Students

How to apply: Interested participants should register for the workshop by filling up a google form (link mentioned below). Please note we can accommodate a maximum of 25 participants for the workshop based on first cum first bases.

Registration Fees: Registration fees and meals are provided by the organizers

Registration Link: <https://forms.gle/GP8WPDwegjRbpCwa8>



Dead line for the Registration: February 06, 2025

Contact: abrar.qurashi@uok.edu.in

Organizer: Department of Biotechnology, University of Kashmir

Sponsor: ANRF, Department of Science and Technology, Govt, of India