

Objective of the Faculty Training Workshop

- To provide hands-on training in fundamental cell and molecular biology techniques.
- To strengthen the theoretical foundation of cytological principles and methodologies.
- To promote the integration of classical cell biology techniques into academic curricula and laboratory research.
- To impart practical training in basic molecular biology techniques, including DNA/RNA extraction, electrophoresis, PCR, and gene expression analysis, to build core competencies for advanced research.

Importance of this FTP for Educators

This two-day Faculty Training Programme (FTP) on “Techniques in Cell & Molecular Biology,” jointly organized by the Department of Biochemistry, Jamia Hamdard, the Research and Development Cell, Jamia Hamdard, and the Department of Zoology, Hindu College, University of Delhi, aims to provide educators and researchers with practical exposure and conceptual understanding of key experimental approaches. The programme will include demonstrations of classical cytological methods such as observation of meiotic stages in grasshopper testes, visualization of polytene chromosomes in *Drosophila* larvae, and demonstration of histone proteins in leukocytes. It will also cover essential molecular biology techniques including confocal microscopy, primer designing and PCR, gel electrophoresis, gene expression analysis by Real-Time PCR, SDS-PAGE, and protein expression analysis by Western blotting. Through expert-led sessions and discussions, participants will strengthen their theoretical foundation and acquire hands-on insights to confidently integrate these techniques into undergraduate teaching and research, thereby enhancing both pedagogy and student learning outcomes.

Who Can Register?

Registration is open to faculty members from universities and colleges.

Registration Process

Participants may register through the provided link. The registration fee is to be paid only after confirmation of selection. Bank details for fee payment will be shared via email with confirmed applicants.

Online registration is mandatory to ensure attendance and issuance of certificates

Registration Details

Registration Fee: INR 1000/-

Last date: October 05, 2025

Seats: 20

Scan for Registration Form



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Faculty Training Programme

on

Techniques in Cell & Molecular Biology

Jointly organized by

**Department of Biochemistry, School of Chemical
and Life Sciences**

&

**Research & Development Cell
Jamia Hamdard**

&

**Department of Zoology, Hindu College
University of Delhi**

October 9 - 10, 2025

Supported by:

**Research and Development Cell, Jamia Hamdard
DBT STAR College Scheme, Department of Zoology,
Hindu College, University of Delhi**

Venue:

**Department of Biochemistry, Jamia Hamdard
&
Department of Zoology, Hindu College**



Jamia Hamdard is a Govt.-aided Deemed-to-be University accredited by NAAC in A+ category and consistently holding NIRF All India Rank No. 1 in Pharmacy. The University holds position for its high-end research and accomplishments of its researchers including highly cited papers in high impact factor journals of international repute, the patents granted and technology transferred over a period of time since 1989, the year of its establishment. Earlier, its colleges were affiliated to the University of Delhi. The University campus is spread on a lush green patch of about 100 acres of land in South Delhi, and has 10 Schools, a medical college, two hospitals – one allopathic and another on Unani system of medicine, hostels, sports and other amenities. The University is a recipient of INR 35 Crore grant over a period of 4-5 years, including UGC SAP, DST-PURSE, STUTI, and an AYUSH Centre of Excellence, etc.

Organisers

Patrons

Prof. (Dr.) M. Afshar Alam
Vice-Chancellor, Jamia Hamdard

Prof. Anju Srivastava
Principal, Hindu College

Co-Patrons

Prof. Reena Jain

Vice Principal - Hindu College, and Coordinator, DBT STAR
Prof. S. Raisuddin, Dean (Acad.) & IQAC, Jamia Hamdard
Prof. Suhel Parvez, Dean, SCLS, Jamia Hamdard

Organizing Chairman

Prof. Shakir Ali, Director, R&D Cell (JH)

DBT Coordinator, Zoology Department Hindu College

Dr. Anupam Varshney Sharma

IQAC Director, Hindu College

Prof. Shalini Suryanarayan

Organizing Secretaries/ Conveners

Prof. Soma M. Ghorai, Hindu College, Hindu College

Prof. Neetu, Hindu College, Hindu College

Dr. Sayeed ur Rehman, Jamia Hamdard

Dr. Saurabh Pandey, Jamia Hamdard

Dr. Varunendra Singh Rawat, Hindu College

Coordinators

Dr. Amaan Buniyaadi, Hindu College

Dr. Jagriti Narang, Jamia Hamdard

Members of organizing committee

Jamia Hamdard: Prof. Rana Zaidi, Dr. Mohan Kamthan,
Dr. Vikas Sood, Dr. Nikhat Parveen, Dr. Neha Chanana, Dr.
Faizan Abul Qais, Dr. Asghar Ali

Hindu College: Dr. Divya Bajaj, Dr. Mohit Kumar, Dr. Ravi
Kumar Goswami, Mr. Kiran Kumar Salam



Hindu College, established in 1899, is one of the oldest and most prestigious constituent colleges of the University of Delhi, New Delhi. With a rich legacy of academic excellence and holistic education, the college has consistently nurtured generations of scholars, researchers, and leaders. Accredited by NAAC with the highest A++ rating, Hindu College is renowned for its vibrant academic environment, state-of-the-art infrastructure, and distinguished faculty. Hindu College has been ranked 1st in NIRF, Colleges (2024 and 2025). It has also been ranked number one in Science and Humanities and number two in Commerce by the India Today rankings for several consecutive years (2022-2025), reaffirming its position as a premier institution of higher learning in India.