Expression of genes in an *in vitro* mammalian system is an important tool in modern biomedical research. In this four-day workshop, participants will be given hands-on training in



- Culturing mammalian cells in vitro
- Freezing & thawing of cells
- Transfection
- Cell viability assays
- Fluorescence microscopy
- Real-time PCR



## Who can attend?

Registration is open to students from undergraduate/post-graduate and Ph.D. as well as to Research Scholars/Young Faculty/Industry delegates from any SAARC country pursuing research in any branch of biology. The number of participants will be limited to ensure full hands-on training for everyone.

Registration Fees	
U.G./ P.G. students & Research Scholars	Rs. 5000
Postdocs & Faculty	Rs. 6000
Industry Delegates	Rs. 8000

Registration includes tea, lunch, protocol booklet & certificate. Accommodation may be arranged at SAU hostel, if available, for an additional fee. **Register Now!** 



## **INTERNATIONAL WORKSHOP ON**

MAMMALIAN CELL
CULTURE,
TRANSFECTION &
GENE EXPRESSION
ANALYSIS







## International Workshop on Mammalian Cell Culture, Transfection and Gene Expression Analysis





The Faculty of Life Sciences and Biotechnology announces a four-day International Workshop on

Mammalian Cell Culture,

<u>Transfection, and Gene</u>

Expression Analysis

Dates: **December 16-19, 2024** 

**Venue**: LS004, FLSB Laboratory South Asian University, Rajpur Road, Maidan Garhi, New Delhi.

Co-Sponsored by:



Four-day hands-on workshop will help students learn

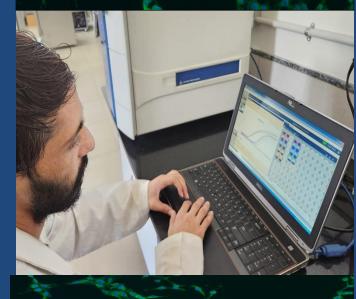
- How to culture and maintain mammalian cell-lines in vitro
- Counting, passaging, freezing and thawing of cells
- Using cell viability assays to assess cell death (using multimode plate reader)
- Transfecting cells with a fluorescent vector
- Isolation of RNA, quantitation & cDNA synthesis
- Real-time PCR and data analysis
- Visualizing transfection efficiency using fluorescence microscope
- Interactive lectures on above topics



KNOWLEDGE WITHOUT BORDERS



Student Coordinators:
Khagendra Ghimeray Shovan Kundu
Md. Mostafizur Rahman Shipra Jha
Md. Fahim Khalid



Limited seats
Register Now!