



*Molecular Biology  
&  
Genetic Engineering  
Workshop / Projects*



**International Centre for Biomedical Sciences and Technology  
Unit of Frontier Lifeline and Dr. K.M. Cherian Heart Foundation**

**No. 932, TVS Avenue, Jeevan Bhima Nagar**

**Mogappair, Chennai - 101**

**Telephone : 91-044- 26548997**

**Website : [www.frontierlifeline.com](http://www.frontierlifeline.com)**

**Email : [icbst@frontierlifeline.com](mailto:icbst@frontierlifeline.com)**

**International Centre for Biomedical Sciences and Technology (ICBST)** is a growing unit of **Frontier Lifeline and Dr.K.M. Cherian Heart Foundation** founded by **Dr.K.M.Cherian** with a team of young scientists with extensive academic and industrial foresight with respect to modern medicine. This unit is involved in training wide spectrum of Research Scholars, Researchers and budding graduates in the field of Biotechnology, Bioinformatics and Molecular Biology. There has been considerable advancement in the divisions of Tissue Engineering and Stem Cell Technology. After successful clinical trials, the products are in pilot clinical trials with good results. The results of multi centric trials are awaited. The ethical and biosafety aspects of the products have been critically analyzed. Stem cell therapy has been offered to 'no option' patients and also as a complementary therapy. The ethical and Medico-legal aspects of biomedical research are stressed upon.

**Training Programmes aim at:**

- To provide students pursuing life science and related careers with good laboratory skills and technical knowledge to fulfill their academic goals.
- Narrowing the gap between the Academic Institute and Industry, there by enhancing the skills of market oriented professionals.

**WORKSHOPS**

Due to the demand for 'Hands-on' training in laboratory techniques we are providing short term workshops through out the year.

**Speciality of the workshop**

- Ethics in research highlighted
- Sound practical training
- Personal attention for each student throughout the programme
- Limited number of students in each batch
- Programs are designed as per the university syllabus
- Nominal fee
- Concession for larger groups from the same college

**Course Modules**  
**Molecular Biology and Genetic Engineering**

**Module I**

- I Agarose Gel Electrophoresis
- II Isolation of plasmid DNA from Bacteria
- III Isolation of Genomic DNA
- IV PCR

**Module II**

- I DNA elution from agarose gel
- II Isolation of RNA
- III SDS-PAGE
- IV Transformation

**Module III**

- I Isolation of Genomic DNA
- II Restriction Length Polymorphism
- III Single Strand Conformation Polymorphism
- IV SDS-PAGE

**Module IV**

- I Agarose Gel Electrophoresis
- II Isolation of plasmid DNA from Bacteria
- III Isolation of Genomic DNA
- IV PCR
- V DNA elution from agarose gel
- VI Isolation of RNA
- VII SDS-PAGE
- VIII Transformation

**Fee:** Rs.5000 each for module I,Module II and Module III for 2 weeks  
Rs.10,000 for module IV for 4 weeks  
Fees may be paid by Demand Draft in favour of "*Frontier Lifeline Pvt. Ltd*"

**Projects**

ICBST has guided more than 50 research projects for B.Sc., M.Sc., B.Tech, M.Tech, M.Phil and Ph.D degree in all aspects of Biotechnology. Selection is based on interview.

For further details please contact:

**Mr. C. Anbarasan M.E. Biotechnology**

Scientist, Program Co-ordinator

International Centre for Biomedical Sciences and Technology

Unit of Frontier Lifeline and Dr.K.M.Cherian Heart Foundation

No. 932, TVS Avenue, Jeevan Bhima Nagar

Mogappair, Chennai – 101

Email: anbarasanc@yahoo.com

Office Phone No: 26548997 (Timing: 9.00 am – 5.00pm)

Mobile: 9841369741

## WORKSHOP/ PROJECT REGISTRATION FORM

Name (in block letters) : \_\_\_\_\_

Designation: \_\_\_\_\_

Degree and Course: \_\_\_\_\_

College / University / Industry: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Contact no: \_\_\_\_\_ Email: \_\_\_\_\_

Preferred Module: \_\_\_\_\_

Module Fees: (Rs.....)

DD No \_\_\_\_\_

Name of Bank: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Registration : On all days

Registration fees : Rs. 50/-

**Note:**

Please use blue/black ink pen only

Received by: \_\_\_\_\_