

Training program in
Specialized Aspects of Biotechnology
Genomics and Proteomics

MODULE IV

Basics & Wet-lab -Techniques In Genomics

18th – 23rd August 2008

Jointly Organized by:

**Food Engineering & Technology Department
Institute of Chemical Technology, Mumbai**

&

InfoAlive Solutions & Services, Mumbai

As a part of the platinum jubilee celebration

**Venue:
Institute of Chemical Technology (Formerly UDCT)
University of Mumbai
Nathalal Parikh Marg, Matunga
Mumbai 400019**



Objectives:

The well established field of Genomics has been rapidly expanding and is increasingly making an impact in today's world. In India, the field of Biotechnology is rapidly growing and thus there is an increasing demand for skilled manpower in the specialized area of genomics. Therefore it has become necessary for a spectrum of professionals and academicians to get a working knowledge of this field.

The course is designed for people with scientific background to understand or refresh the basics, learn the basic essential techniques and gain clarity in the interrelated concepts leading to applications in the field of genomics. In addition, the course endeavors to *create a foundation for an ongoing learning of this rapidly advancing field.*

After undergoing this course, the delegates will be able to develop an understanding of this rapidly advancing field and its broad implications to different segments. They will also be able to apply the knowledge gained to their respective professions including, but not limited to, industrial and academic research, product development, marketing and product analysis.

*The advanced course constitutes a series of four modules which include: genomics, proteomics, bioinformatics, and wet lab hands-on training. The longer duration advanced course is meant to give an in-depth understanding of this field. The first three modules of an advanced course were on genomics, proteomics and bioinformatics which were a **great success** and now we are announcing the fourth module of wet-lab with hands-on training.*

Who can benefit from this course :

The course will be useful for people involved in or contemplating participation in genomics, proteomics and related fields in the following capacities:

- Managerial and supervisory level staff from industry, and research organizations.
- Technical staff from research, analytical and production functions.
- Postgraduate/undergraduate teachers from colleges and institutions.
- Supervisory, analytical and technical staff from hospitals/laboratories.
- Students (doctorate and masters, and bachelors) from reputed institutions.

Prerequisite:

Doctorate or Masters in science field.

Bachelors would also be considered on the basis of experience and/or strong recommendation from organizational/institutional authority.

Faculty:

Internationally trained and experienced at senior positions in world-renowned research and academic institutions and corporate-world.

Course Description:

This course seeks to impart **basic concepts, and hands-on training relevant to the field of genomics**. The state-of-the art *techniques* and very recent applications will also be discussed.

Genomics: Basics, Techniques and Applications

- Introduction to basic genomics
- DNA purification
- Restriction enzyme analysis
- Screening for DNA sequence variations in human genes
- PCR techniques
- Southern and Northern analysis
- Cloning

Write-up on the topics covered including major references for further study will be provided.

Duration: 6 days (with hands-on training)

Course Fees:

Corporate participants:	Rs.10, 000 /- delegate
Academic participants:	Rs. 7,500 /- delegate
Technical persons from hospitals and government research institutions:	Rs. 7,500 /- delegate
Students:	Rs. 5,000 /- delegate

- Course fees will include **hands-on training, course material**, lunch, tea/coffee, and snacks.
- The number of participants will be very limited in order to maintain the effectiveness of the training program.
- In case of excess applicants, the selection of the delegates will be at the sole discretion of the organizers. The excess applicants will be considered for the next edition of the course.
- The registration fees for those who cannot be accommodated will be refunded.

Venue

Food Engineering and Technology Department,
Institute of Chemical Technology (ICT, formerly UDCT),
University of Mumbai,
Nathalal Parikh Marg, Matunga, Mumbai 400019

Advisory Committee

Dr. Arizumi K., Professor, University of Texas Southwestern Medical Centre (UTSWMC), Dallas, TX., USA.

Dr. Apte S.K., Associate Director, Biomedical Group, BARC, Mumbai.

Dr. Bhatia, C.R., Former Secretary, Department of Biotechnology, Govt. of India & Former Director, Biomedical Group, BARC, Mumbai.

Dr. Firuza R. Parikh, Director, Jaslok Hospital & Research Centre, Mumbai.

Prof. Joshi J.B., Director, Institute of Chemical Technology (Formerly UDCT), University of Mumbai, Mumbai.

Dr. Kulkarni P.R., Former Professor of Food Technology & Former Head, Food Engineering & Technology Division, Institute of Chemical Technology (Formerly UDCT), University of Mumbai, Mumbai.

Dr. Mahajan S.K., Chair, Gharda Chemicals, Institute of Science, Mumbai & Former Head, Molecular Biology & Agriculture, BARC, Mumbai.

Dr. Pradhan D.S., Former Associate Director, Biomedical Group & Former Head, Biochemistry Division, BARC, Mumbai.

Please Fax or mail to

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Registration Form

I / We wish to register for the Training Program in Specialized Aspects of Biotechnology

Module-IV (Photocopies of the form will be accepted)

1. Name _____
(Surname) (First Name) (Middle Name)
Organization _____ Designation _____
Basic Qualification and Subject _____
Area of Professional Expertise _____
2. Name _____
(Surname) (First Name) (Middle Name)
Organization _____ Designation _____
Basic Qualification and Subject _____
Area of Professional Expertise _____

I / We are enclosing a Cheque/DD No. _____, dated _____ for Rs. _____

Drawn on _____ Bank _____ Branch _____

The Cheque / DD should be in the name of "TRAINING PROGRAM IN SPECIALIZED ASPECTS OF BIOTECHNOLOGY"

For outstation cheques bank charges for transfer shall be added.

Organization _____

Mailing Address _____

Phone: Office _____ Residence _____

Email _____

URL _____

Fax _____