



HANDS-ON TRAINING ON BASIC MOLECULAR BIOLOGY TECHNIQUES

26th to 30th March, 2024



Organized by
Agri Biotech Foundation
(Formerly A.P. Netherlands Biotechnology Programme)



&
Federation of Asian Biotech Associations (FABA)

As the demand for sustainable agriculture grows, understanding and harnessing the molecular mechanisms governing plant growth, development, and stress responses have become imperative. Advancements in molecular biology techniques allow deeper understanding of the molecular processes and enable precise manipulation of plant genomes, leading to the development of improved crop varieties with enhanced traits. For a life science researcher, it is important to be familiar with a variety of molecular biology techniques with strong understanding of theory behind these techniques which improves research skills and employability.

Techniques

- ❖ Genomic DNA & RNA extraction
- ❖ Quantification through Spectrophotometer
- ❖ Agarose Gel Electrophoresis
- ❖ PCR and Primer designing
- ❖ Agrobacterium-mediated plant transformation
- ❖ Introduction to CRISPR/Cas technology (sgRNA designing)

Expert faculty will speak on

- ❖ Application of molecular markers for crop improvement,
- ❖ Transgenic crops-current status,
- ❖ Genetic transformation of recalcitrant crops
- ❖ Genome editing for crop improvement

Eligibility: Graduate and Post Graduate students in life sciences, lecturers of the universities and private colleges and research scholars.

No. of Intake: 20 members (on first come first serve basis).

Registration fee: Rs.5,000/- (Rupees five thousands only) which includes tuition fee, training material and working lunch. Rs.10,000/- (Rupees ten thousand only) for industry people.

Accommodation can be arranged for outstation candidates upon request on payment basis.

Online payment: Agri Biotech Foundation, A/C No.125510011022302, Union Bank of India, Rajendranagar branch, IFS Code: UBIN0812552.

Register Here:

<https://docs.google.com/forms/d/e/1FAIpQLSc6tC41-JjvdZByRmhhZBoydHhrSKErEgLuOiQgsNT7dPpwyA/viewform>

For more details please visit www.abfindia.org



Venue

Agri Biotech Foundation,
PJ TSAU Campus, Rajendranagar,
Hyderabad-500 030

You can pay through QR code



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