

INFORMATION BROCHURE For Online Industrial Training



**Animal Cell Culture & Cancer
Biology (15th Nov-15th Dec, 2021)**



**Helix BioGenesis Pvt. Ltd.
D-34, Sector-2, Noida
+91-9717117289**

Introduction:

Helix BioGenesis (A unit of Helix BioGenesis Pvt. Ltd.), a fast growing company engaged in the field of Biotechnology/ Medical Diagnostics Research and Live Project based Training situated in Noida. Currently, **Helix BioGenesis** undertakes research in the frontier areas of Molecular biology, Microbiology, Immunology, Medical biotech and Diagnostic services. We have developed 15 days to 6 months Hands-on Industrial Training/ Project/ Dissertation Work and Summer & Winter Training Programs for the students of any field of Biotechnology/Life Sciences and Medical Biotechnology. This is a rigorous and comprehensive Industrial Training designed and developed for those with basic knowledge of Biotechnology, and looking for a career in Biotech and Pharmaceuticals sector as well as in research organizations in India and abroad.

This training will prepare the candidates for a brighter future in biotechnology by providing knowledge & experience in advanced technologies currently being employed in research. It will also help the candidates in designing of experiments, formulating project protocols, together with hands-on-training in advanced techniques in molecular biology & r-DNA technology, biotechnology, and drug discovery. Actual data from the research laboratories will be discussed, and a comprehensive protocol booklet will be provided to each trainee for future reference.

Online Industrial Training Programs/ Modules Details:

Course Name	Duration*	Fee (INR)
Animal Cell Culture & Cancer Biology	30Days/ 4 weeks	2000/-

Animal Cell Culture & Cancer Biology (30 Days/4 Weeks)

1. Introduction to Good Laboratory Practices & General Safety Information	12. Induction of proliferation and differentiation in human cancer cell lines
2. Maintenance of Sterility	13. MTT Assay for proliferation/cytotoxicity
3. Do's & Don'ts in the Animal Tissue Culture Lab	14. Protein extraction from human cancer cell lines
4. Preparation of medium and required Solutions	15. SDS-PAGE and Coomassie blue staining
5. Cell Lines revival (Recovery)	16. Isolation of DNA from human cancer cells
6. Animal Cell Culture and maintenance of human cancer cell lines	17. Restriction digestion
7. Sub-culturing (passaging) & freezing	18. Ligation
8. Freezing & thawing of human cancer cell lines	19. DNA gel electrophoresis
9. RNA extraction from human cancer cell lines	20. Polymerase Chain Reaction (PCR)
10. cDNA synthesis from extracted RNA	21. Protein & DNA sequence analysis
11. Reverse Transcription PCR (RT-PCR)	22. Primer Designing & Promoter analysis

- Study material/ Protocol booklet will be provided to trainees for each Lab work.
- **Soft copy and Hard copy Industrial Training Certificate will be provided to every student on last day of the training.**
- For detailed information on batch in a particular month please contact office on 9717117289.

Eligibility Criteria:

The candidates who have completed/pursuing their B.Sc., B.Tech., M.Sc., M.Tech., M.Phil. and Ph.D. in any field of Biotechnology/Life Sciences and Medical Biotechnology stream from a recognized University are eligible to apply. Selection will be purely on “First Come, First Serve Basis”.

Application Procedure:

1. **Fill the application form by clicking the link or copy and paste the link into browser: <https://forms.gle/sUPoCzwREM4AATH47>**
2. Transfer fee through NEFT/Online banking or by using Paytm (Paytm No. 9717117289) the following account and send us a copy of receipt of transfer (with UTR No.). While doing the online payment, please use the following details
Payee Name: Helix Biogenesis Pvt Ltd; **Account Number:** 003105029384
Type: Current Account; **Bank Name:** ICICI Bank; **IFSC Code:** ICIC0000031
Branch Address: Sector-18, Noida.
3. You can also fill the application form by directly visiting our office at Helix BioGenesis, D-34, Sector-2, Noida, U.P., 201301. You can collect training application form from our office, fill it and submit it along with requisite amount in cash directly to the office.
4. We will contact you after receiving your application form and will confirm/register your seat for batch and program of your choice.
5. For further assistance, please contact our office on 9717117289 or email us at “helix.noida@gmail.com”.



D-34, Sector -2, Noida-201301
Call or WhatsApp: +91-9717117289
E-mail: helix.noida@gmail.com
Web: www.helixbiogenesis.com