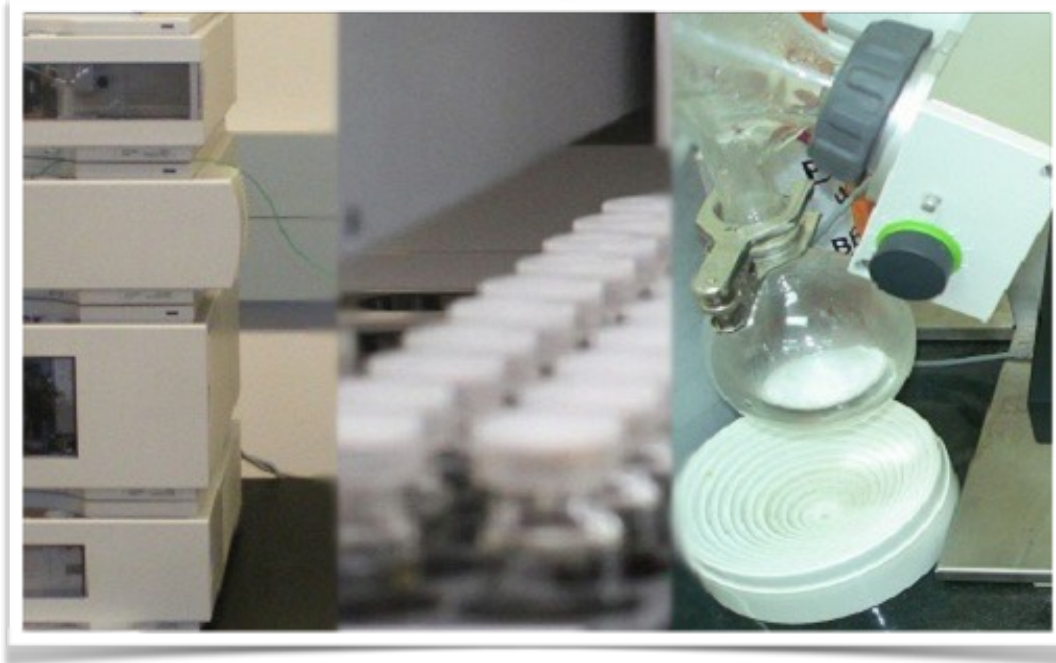


Internship in Biopharmaceuticals Analysis

Bridging Gap Between Industry & Academia



Bio-Pharmaceutical industry is one of the largest job provider industry in India for life science and chemistry professionals in India (more than 70 %).

The overall goal of the training program is to provide the trainee with the skills they will need to provide appropriate pharmaceutical / biopharmaceutical product analysis, research and management for pharmaceutical / bio-pharmaceutical industry.

OBJECTIVES :

- To develop the skill with latest technologies used in Bio-Pharmaceuticals
- Lab facility with dedicated scientific advisory and research assistants
- Documentation of all experimental work
- Data Handling and interpretation

1

BIO-PHARMA

Most Prominent Sector
For Employment &
Research

2

PHARMACEUTICALS

Quality Control
Analysis, Research &
Development

3

BIOTECHNOLOGY

Application in
Pharmaceutical & Bio-
Pharma Products

Bio-Pharma

Analysis & Research



Product Analysis



Quality Control



Antibodies

Vaccines

Drugs

Serums

UNITS TO BE COVERED : - All Units are compulsory For Training in Genomics & Molecular Biology

Unit I - Lab safety and Procedures :

Pharmacopeia, Record Maintenance, Handling of Equipments , Sterilisation Techniques , Preparation of Chemical Reagent, Buffers, Acid-Base Equilibrium, pH, Buffer System, Charge, pI and pKa, Value, Quantitative determination of pharmaceuticals .

Unit II - Qualitative Assays For Bio-Pharmaceuticals

Qualitative assay of carbohydrate: Molisch, Fehling, Benedict, Barfoed, mucic acid, Iodine, Seliwanoff, Bial, Osazone Quantitative determination of carbohydrate, Determination of disaccharide, Lactose , Sucrose , Determination of Lipids; triglycerides , Test of Fatty Acids , Determination of Vitamin C , Determination of Vitamin E , Determination of serum phosphate .

Assay For Herbals - Assay of Alkaloids, Flavonoids, Glycosides, Free Glucose, tannins, Anthraquinone, Saponins, Toxicity Analysis

Unit III - Pharmaceutical Microbiology

Microbial Analysis of Pharmaceutical & Herbal Products (As Per Pharmacopeia)

Unit III - Introduction to Chromatography & Spectrometry

Introduction to HPLC, GC & Spectrometry, Sample Preparation, Method Development for analysis, Buffer Selection,

Unit IV - Quantitative Analysis of Bio-Pharma / Pharma Products

Analysis by HPLC, GC, Spectrophotometry, TLC and other chromatography techniques of selected pharmaceutical, bio-pharmaceutical and herbal product.

- **Test of Aspirin by Spectrophotometry & HPLC**
- **Test of Insulin by HPLC or GC**
- **Test of antibiotics by HPLC**
- **Antioxidant Assay of any herbal drug**
- **Test of any available vaccine by Suitable Chromatography; HPLC / GC / FPLC / Affinity**
- **Fingerprint Analysis of Herbal Product**

PROJECT WORK :

We will provide a project work of your interested area, our assigned projects will be on product development, basic research and novel idea . **We do respect and welcome all feasible ideas** suggested by you for technology development in life science research.

TECHNIQUES COVERED IN THIS PROGRAM :

Nucleic Acid Extraction ,Optimisation, Electrophoresis, Imaging and Data Analysis, DIN/RIN Quantitative Analysis , Advance Bioinformatics tools and softwares, PCR & Real Time PCR Assay Development and Data Analysis, rDNA Technology, cDNA Construction, Basics of Microarray , Bio-separations by HPLC , Gas Chromatography, Affinity Chromatography, Ion Exchange etc.

BENEFITS OF THE TRAINING PROGRAM :

1. Research & Development in Bio-Pharmaceutical Sector
2. Molecular Diagnostics in health care
3. Doctoral Research
4. Bridging Gap in Academic Program
5. Boost your confidence

INFORMATION TO APPLY FOR THE PROGRAM

WHO MAY JOIN :-

Any enthusiast and dedicated learner from life science, biotechnology, chemistry or applied sciences

SELECTION CRITERIA:-

First come first serve basis



TRAINING FEE :

Rs 10,000 / - For 30 Days Training & Rs 12,000 /-For 45 Days (Training + Project Work)

HOW TO APPLY –

Details of Documents :

1. Any identity proof along with University / College Identity Card
2. Filled **Registration form** with photograph (Given in Brochure)
2. Registration fee will be Rs 1000 / - paid through cheque or on line payment

How to pay Registration Fee :

1. Cheque will be in favour of **Allele Life Sciences Private Limited**
2. **For on line payment detail send request at : allelelifesciences@gmail.com**

How to send document :

Those who pay through cheque send all documents at following address :

Allele Life Sciences Pvt. Ltd.

C - 59 , Sector - 10 , Noida
Uttar Pradesh - 201301 , IN
Ph.No : + 91-9891179928

Those who opt on Line registration send scan copy of all documents and receipt of online payment at : allelelifesciences@gmail.com

Note : We will send confirmation within specified time. If not received send a reminder mail.

For Any other query mail at : allelelifesciences@gmail.com or WhatsApp - 9891179928

Registration Form is Given at nest page



Registration Form

Name of Training Program :

Expected Date of Joining :

Candidate Details :

Name:

Father's Name:

Address :

Contact No :

Email:

Institution :

Qualification :

Terms & Conditions :

1. The admission to training / internship programs will be confirmed after the payment of registration fee along with documents.
2. The registration fee deposited is completely non refundable.
3. The industrial training fee includes the cost of chemical , reagents and study material costs.
4. I will deposit the service charges as decided by the company at the time of joining date of training program.
5. Students have to bear their own boarding/lodging /conveyance charges. We facilitate students in finding proper paying guest arrangements.
6. The trainees will have to bring their own lab coat and wear them all the time in the campus.
7. Trainees are selected on first come first serve basis
8. Trainees will maintain adequate discipline inside the lab premises.

DECLARATION

I _____ from _____
hereby declare that all statement/information given in the application form are true to the best of my knowledge and belief . I will strictly abide by the norms/lab etiquette during the training

Signature

Place: _____

Date: _____

For office use only