

Gets Enroll for BioInfo Training/Project/Dissertation Work @ MRD LifeSciences™, Lucknow.

MRD LifeSciences™ (MRDLS) is an innovative Life Science Research based organization approved by **Ministry of Corporate Affairs, Government of India (Registered Under NCT) & An ISO 9001:2008, JAS-ANZ Certified Company**, having well equipped state of art laboratory with a multidisciplinary team of scientists and research associates that provide technology solutions and analytical support to the biotech and pharmaceutical industries. **MRD LifeSciences™** also organizes workshops and short term courses in Biotechnology, Molecular Biology and other fields of Life Sciences & is committed to provide excellent Hands-on training with State of Art Lecture to graduate/post graduate candidates either pursuing or passed out in the field of Biotechnology, Molecular Biology, Microbiology, Biochemistry, Bioinformatics & other fields of Life Sciences for a duration of One Week to Six Months.

OBJECTIVE

After grand success of Wet Lab & on huge demand for Dry Lab, **MRD LifeSciences™ (MRDLS)** started Bio-info education to post graduates & under graduate students and prepare them to meet the future challenges of Bioinformatics.

Eligibility Criteria:

All those candidates either pursuing or passed out having back ground of B.Sc Biotechnology/Microbiology/Industrial Microbiology, B.Sc. Hons. Biotechnology, B.Tech Biotechnology, M.Sc./M.Tech/ Ph.D. Biotechnology/Microbiology/Industrial Microbiology, Genetic Engineering, Molecular Biology, Biochemistry, Bioinformatics & other field of Life Sciences such as Pharmacy, Botany & Zoology are eligible to apply for any certification course.

Certification: Candidate will get certificate after successful completion of training program.

Training Module

(BI/A): Advanced Modules + Practical Sessions (Course Duration 30 Days)

Fee Structure: 6500/-

- **Advanced Bioinformatics (CRT: AM-1)**
(Introduction to Bioinformatics and overview of Biological Research, Biological databases and database searching, Data Mining and Sequence Retrieval, Motif & Domain assignment, Proteomics, Protein threading and interaction, Pair wise and Multiple Sequence Alignment, Sequence Analysis (BLAST, FASTA, CLUSTAL W), Phylogenetic analysis, Ab initio structure prediction, Visualization tools, Other relevant Confirmatory Tools, Homology Modeling).
- **Cheminformatics and Rational Drug Designing (CRT: AM-2)**
(Introduction of Bioinformatics, Introduction to Drug Designing, Disease Identification, Responsible Gene Ontology, Coding Protein Identification, Protein Structure Finding, Active Site Prediction, Chemical and Drug Database, Chemo-informatics, Docking, Toxicity Prediction with Lipinski Rule of Five, Relevant Software and Tools and Practical Sessions).
- **Molecular Modeling with Phylogenetic Analysis (CRT: AM-3)**
(Introduction of Bioinformatics, Literature Mining, Protein Name identification, Target Amino Acid Primary Sequence Identification, Sequence Analysis (Blast, Fasta), Secondary Structure Blast, Multiple Template Selection, Modeling, Procheck, Ramachandran Plot, Loop Modeling, Structure Analysis, Verification and Energy Minimization, Sequence Analysis (Blast, Fasta, ClustalW), Comparative Phylogenetic Analysis using MEGA and Phylip).
- **Molecular Modeling and Computer Aided Drug Designing (CRT: AM-4)**
(Introduction to chemoinformatics and Drug Development, Chemical and Drug Database, Proteomics, Sequence analysis of Receptor molecule, Structural Bioinformatics in Drug Development, Small molecule hits, Designing chemical structures, Homology Modeling Pathways studies and Drug Targeting, Lead design with Geometry optimization and Energy Minimization, Computer simulations,

Chemical reaction indexing, Pharmacophore analysis, Docking, Relevant soft wares and Tools).

(BI/B): Basic Modules + Practical Sessions (Course Duration 15 Days)

Fee Structure: 3800/-

- **Bioinformatics (CRT: BM-1)**
(Introduction of Bioinformatics, DBMS, Biological Database (NCBI-Genbank, DDBJ, Swissprot-EMBL), File Format, Search Engines and Research Articles Databases, Pairwise and Multiple Sequence Alignment, Phylogenetic Analysis, Sequence Analysis (Blast, Fasta, ClustalW), Secondary Structure Prediction, Biological Visualization Tools).
- **Phylogenetic Analysis (CRT: BM-2)**
(Introduction of Bioinformatics, Pairwise and Multiple Sequence Alignment, Sequence Analysis (Blast, Fasta, ClustalW), Distance Based and Character Based Programs, Comparative Phylogenetic Analysis using Phylogenetic tools).
- **Biological Data Mining (CRT: BM-3)**
(Introduction of Bioinformatics, Nucleotide Sequence Databases (EMBL, Genbank and DDBJ etc.), Protein Sequence Databases (Swissprot, TrEMBL and PIR etc.), Structural Databases (Cath, SCOP, PDB and MMDB etc.) and different biological databases and softwares).
- **Molecular Modeling (CRT: BM-4)**
(Introduction of Bioinformatics, Literature Mining, Protein Name identification, Target Amino Acid Primary Sequence Identification, Sequence Analysis (Blast, Fasta), Secondary Structure Blast, Multiple Template Selection, Modeling, Procheck, Ramachandran Plot, Loop Modeling, Structure Analysis, Verification and Energy Minimization).
- **Introduction on Drug Designing and Docking Studies (CRT: BM-5)**
(Introduction to chemoinformatics and Drug Development, Drug databases and Data Mining, Structural Bioinformatics in drug discovery, Force Fields and Minimizers Concept Geometry optimization and Energy minimization, Docking, Relevant Softwares).

(BI/C): Core Modules_ Mini & Major Projects

(Course duration 1 Month – 6 Months)

Duration	30 Days	45 Days	2 Months	3 Months	4 Months	6 Months
Fee Structure	6500/-	8000/-	10,000/-	15000/-	18000/-	22000/-

Key Research Area:

- Molecular Modeling with Phylogenetic Analysis.
- Molecular Modeling and Computer Aided Drug Designing.

Registration Details

Registration Open For All Modules @ January - August 2018 Batches

Details	Jan 2018 Batch	Feb 2018 Batch	Mar 2018 Batch	Apr 2018 Batch
Last Date for Registration	Before 2 Days from starting date of particular batch. T&C apply*.			
Starting Date	Jan 02/09/16 & 23, 2018.	Feb 01/08/15 & 22, 2018.	Mar 08/13 & 20, 2018.	Apr 03/10/17 & 24, 2018.

FACILITIES

A Strong Research Paper/Abstract Publication facility (National & International Scientific Journals).
 Fully air conditioned with Wi-Fi zone.
 Well equipped lab with separate conference hall (having digital projector).
 Library facility & e-Book facility.

100% accommodation assistance to all the trainees.
Career counselling services to all the trainees.

PLACEMENT ASSISTANCE OPPORTUNITY: (1) For passed out candidates MRD LifeSciences™ will provide venue details to face an interview for job in Biotech/Pharma/CSIR Lab.

(2) MRD LifeSciences™ will help to candidates HOW TO FACE AN INTERVIEW & provide study materials for an interview.

(3) MRD LifeSciences™ will help to candidates for attractive Resume Development.

“YOUR DESTINATION SEARCH WILL END WHEN YOU WILL VISIT MRD LifeSciences™”

“GET KNOWLEDGE, GET EXPERT, GET SUCCESS & GET YOUR ACHIEVEMENT

Go Ahead with MRD LifeSciences™”

SELECTION CRITERIA

Selection of candidates will be based on **FIRST COME FIRST SERVE BASIS** for training program code CRT-BI.

T&C apply for Registration Process i.e. depends on Seat Availability* .

Candidate who will not be able to reserve his/her seat in current batch will be considered for next six batch if he/she is registered.

Intake capacity for each batch is limited.

Different tentative dates are available to start training.

FOR PROGRAM CODE CRT-BI

Registration fee for program code **CRT-BI** is **Rs. 550/-**

Candidates have to make **DD** of **Rs. 550/-** in the favour of **“MRD LifeSciences Pvt. Ltd.”** payable at **Lucknow**.

Candidates have to download the application form through our main link downloads and fill it completely as per instruction given in the form.

Send the application form & updated resume along with DD to our Company address through **COURIER / SPEED POST** only.

OR

Deposit **Rs. 550/- Cash** to the office with application form & updated resume.

(For Project/Dissertation Work)

Registration + Confirmation fee for project work is **Rs. 1550/-**

Candidates have to make **DD** of **Rs. 1550/-** in the favour of **"MRD LifeSciences Pvt. Ltd."** payable at **Lucknow**.

Candidates have to download the application form through our main link downloads and fill it completely as per instruction given in the form.

Send the application form & updated resume along with DD to our Company address through **COURIER / SPEED POST** only.

OR

Deposit **Rs. 1550/- Cash** to the office with application form & updated resume.

Note: Confirmation fee (Rs. 1000/-) will be adjustable in their total fee.

Accommodation facility (Lodging & Fooding) is available for male & female candidates separately nearby company (within 3 km).

(MRD Boys Hostel & Girls PG facility Available)

Company Address/Contact Us:

MRD LifeSciences (P) Ltd.,

B-3/46 & 47, 2nd Floor,

Vibhuti Khand,

Near – State Bank of India,

Gomti Nagar, Lucknow – 226010 (U.P.)

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*****Thanks*****