



# en-GENE-ier's Core Technology Services

*Redefining The World...*

Office: FF-13, First Floor, Galaxy Tower, Viraj Khand, Hannymann Chauraha,  
Gomtinagar, Lucknow -226010, U.P, India.

Mob: 91+9621500-909/808 Website: [www.egicore.com](http://www.egicore.com), email: [egicore@gmail.com](mailto:egicore@gmail.com)

## **Bio-EGICORE**

Bio-EGICORE is a department of Life Sciences, EGICORE is located in Lucknow, Uttar Pradesh. It is established in the year 2012 with the goal to achieve the success in the field of Life Sciences (e.g. Biotechnology, Bioinformatics). It employs the applications of computational biology to build solutions of intricate biological and data analysis problems encountered by Scientists, Biotechnology, Bioinformatics, Pharmacy companies, and Academic Institutes. Bio-EGICORE leads innovation in Bioinformatics, RDT, PCR, Other Wet Lab Techniques, Database Development, Computational Genomics, Proteomics and Comparative Genomics.

### **Objective:**

We are a young developing organization started with a vision to impact focused, but flexible and diverse educational services and projects to raise the employment opportunities in the high paying technologies.

The basic objective of “Bio-EGICORE” is to assist and promote training, research and development in the emerging fields of Bioinformatics. The aim and vision of the institute is to provide a platform for individuals, professionals, R&D Organizations, Pharmaceutical & Software companies to utilize and harness the Indian bioinformatics potential. Senior scientists of government labs, government officials, industrialists and educational intuitions are providing continuous support to us. The aim and vision of our organization is to faster high quality, innovative & multidisciplinary research & development, contract research, projects and advanced industrial training in Bioinformatics, Biotechnology & Pharmacy. Bio-EGICORE being a Research and Developmental industry also involves in handling solutions for biological and computational problems.



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**We offer you services in the field of:**

## **Training in Bioinformatics:**

We offer classroom training, online training, online tutorials and workshop facility on Genome Analysis, Proteome/ Transcriptome analysis, Database Development and Maintenance, Vaccine Proteins Screening from the Genome, Gene Expression /Variation Studies, Data Mining, Data Analysis, Knowledge Extraction, Publishing & Custom Content Creation, Sequence and Structure Analysis, In Silico Analysis of Best Metabolic Pathway, Biological Intellectual Property Management, Contract Research, Education and Training for Strengthening Knowledgebase, Increasing Alliance Among Industry and Academics, Biological Intellectual Property Management, Medical Content Development.

## **Outsource Educational Training in Biotechnology and Molecular Biology:**

We outsource biotechnology services for MRD Life Sciences, Lucknow and BioAxis DNA Research Centre, Hyderabad. Offered techniques are Nucleic Acid Extraction and Sequencing, Gene Expression and Related Studies, Genotyping, Flow Cytometry Services, Analysis of the best Metabolic Pathway and Enzymology, Biorepository and Sample Acquisition Core, Miscellaneous Client Specific Services (PCR and PCR Product Purification, Sequencing, RT-PCR, Gel Documentation, Allele Specific PCR & Mutation PCR etc.), Microbial Identification Services (DNA-Based Microbial Identification for Bacteria, Actinomycetes, Fungi and Yeasts, Fully Validated Library Entries for Bacteria, Actinomycetes, Yeasts & Fungi, Sample Comparisons by Means of A Phylogenetic Tree Biochemical/Fame/16 S R-DNA, Sample Comparison to Genbank, An International DNA Sequence Database, Identify Yeast, Mold or Bacteria through DNA Sequencing for An Isolate, options for Same Day, Next Day, Two Day



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And Three Day Turn Around Times & Custom Phylogenetic Trees Etc.), Clinical Research and Statistical Analysis Services, Pharma-Specific Solutions Offered by SAS, Statistical Analysis for Life Sciences by Dept. of SAS (Transform Biomedical Data into Clinical Insights, Analyze Operational Data to Manage Risk and Maximize Profits, Convert Intellectual Property from Discoveries into Effective Drug Treatments, Integrate Scientific, Customer and Operational Data to Make Research and Commercialization Programs More Successful etc.).

## **Clinical Research Services Offered:**

Clinical Data Management and Analysis, Microarray (Expression) Data Management and Analysis, Drug Development Database Management and Analysis, Immunological Database Development and Report Generation, Biomarker Database Creation, Maintenance and Development etc.).

We impart Biotechnology and Bioinformatics education to Post Graduates & Under Graduate students and prepare them to meet the future challenges of Bioinformatics, Biotechnology & Pharmacy by Online/On-campus/Off-campus, educational Industrial Training/Project/Dissertation.

## **Research & Development @ Bio-EGICORE**

Bio-EGICORE investigate activities to conduct with the intention of making a discovery that can either lead to the development of new products or procedures, or to improvement of existing products or procedures.



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Research and development in Bio-EGICORE is one of the means by which our business can experience future growth by developing new products or processes to improve and expand our operations and can give a support for welfare of mankind, environment and nonetheless technology & science. We operate in the field of Biotechnology, Bioinformatics and Pharmacy.

## List of publications:

- Achal Tiwari, Deepak Shakya, **Pallavi Gangwar**, Prashanta Kumar Pal & **Ankur Mohan** (2014). "Insilico Structure Prediction of Orf61 Gene Responsible For Chicken Pox". World Journal of Pharmacy and Pharmaceutical Sciences: Vol. 3, Issue 1.
- Anshika Singh, **Pallavi Gangwar**, **Ankur Mohan**, Santosh Kumar Gangwar (2013). "Directus 1.0: making analysis simple" A unique amalgamation of genetic disorder database with sequence analysis tools. World Journal of Pharmacy and Pharmaceutical Sciences: Vol. 2, Issue 5, pp-3723-3727.
- **Ankur Mohan**, **Pallavi Gangwar**, Dawood Khan (2013). Structure Prediction and Molecular Docking Studies of "Prostaglandin D Synthase": Inhibitor of Hair Growth in Androgenetic Alopecia, published in World Journal of Pharmaceutical Research: Vol. 2, Issue 4PP 1114-1121.
- Nausheen Khan, Kritika Khanna, **Pallavi Gangwar**, **Ankur Mohan**, Santosh Kumar (2012). InSilico Approach to Predict the Structure of Amyloid Precursor Protein responsible for Alzheimer's disease, Advanced Bioinformatics Applications and Research, 3(1) : 333-38.
- Shiny George, Kumaran Santhalingam, Mina Chandran, **Pallavi Gangwar**, M. Gururagavan. Docking Studies of Novel Coumarin Derivatives as Arylamine N-Acetyltransferase2 Inhibitors 2012: Asian Journal of Pharmaceutical and clinical Research (AJPRC), 5(1) : 94-96.
- **Pallavi Gangwar**, Kumaran Santhalingam, Shiny George, Meena Chandran, M. Gururagavan. 2011. Molecular Docking studies of novel 3-substitued phenyl-2-(furan-2-



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yl)-4H- chromen-4-ones as inhibitors of interleukin-13 for asthma'. International Journal of Research in Pharmaceutical and Biomedical Sciences (IJRPBS), 2(3): 1010-14.

- Meena Chandran, Shiny George, Kumaran Santhalingam, **Pallavi Gangwar**. 2011. Molecular docking of 3, 5, 7 -trihydroxy -2- (4- hydroxy -3- methoxyphenyl) -4h-chromen- 4- one derivatives against IL-6 for rheumatoid arthritis. Asian Journal of Research in Chemistry (AJRC), 4(7): 1254-57.
- Meena Chandran, Shiny George, Kumaran Santhalingam, **Pallavi Gangwar** K Krishnakumar. 2011. MOLECULAR DOCKING STUDIES OF 2 $\alpha$ -HYDROXYURSOLIC ACID DERIVATIVES FOR HYPERCHOLESTEROLEMIA. International Journal of Pharm. Tech. Research, 3(3), 1576-81.
- Rachna Chaturvedi, Himanshu Yadav and **Ankur Mohan**; Effect of Thunder (Weedicide) on the Growth and Nodulation of Vigna mungo L: Insilico and In Vitro Approach pp. 87-92. <http://www.ripublication.com/Volume/jcibv4n1.htm>
- Ankit Shukla, Menorca Chaturvedi, Ramyash Pal, **Ankur Mohan** and Santosh Kumar; BioZephyr: A Computational Biology Workbench pp. 41-46 <http://www.ripublication.com/Volume/jcibv4n1.htm>
- IKaur J, **Mohan A**, Kumar S, Pallavi A, Malakar K., 13(1):50-58, 2012 In silico homology model of mutated PTEN protein inducing meningioma, Published in Online Journal of Bioinformatics. <http://users.comcen.com.au/~journals/mutatedabs2012.ht>
- **Pallavi Gangwar**, **Ankur Mohan**, Santosh Kumar (2012). In Silico Microarray Data Analysis of over-expressed LYN Gene responsible for Adult T-cell leukemia/lymphoma (ATL), Accepted for International Journal of PharmTech Research: OCT-DEC 2012.



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## **Our Major Activities Include (Training/Project/Dissertation in the field of Biotechnology, Bioinformatics and Pharmacy):**

- Summer Training
  - Winter Training
  - 7 Days/15 Days Training
  - 30 Days Project/Training
  - 45 Days Project/Training
  - 60 Days Project/Training
  - 90 Days Project/Training
  - 4 Months Project/Training
  - 6 Months Project/Diploma
- 
- Final Semester Project
  - On Campus Workshop
  - Seminar, Conferences and Workshops on Regular Basis.

### **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 B. Pharm, M. Pharm. & other field of life sciences such as Pharmacy, Botany & Zoology are eligible to apply for any certification course.



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## Certification:

Candidate will get certificate with grading after successful completion of training program under the banner of Bio-EGICORE.

## Note:

- We will assist students for **paper writing & publications**.
- Each student should have to submit one hard copy of his/her **project report** after completing the training program. If any student didn't submit the report on time he/she will not get Certificate.
- There will be **5 days** classes in a week & the weekends will be for special classes, workshop, industrial visit and guest lectures by reputed scientist, Faculties from abroad & talented guest Lectures.
- **90%** attendance is mandatory.
- Every **new batch** will start on **each Monday** of a month.
- Students should maintain the **discipline** in both the lab and classroom.
- **Lab coat** is compulsory for all the wet lab courses.
- **Fees once paid** will not be **refunded**.



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## **Bioinformatics (Dry Lab) Training Module for project and dissertation**

**Bioinformatics (Dry Lab) Training and Project Program on Our Campus**

**Registration Fees Rs. 500/- Including Course Fees**

### **Courses Available for 15 Days (Fees: Rs. 3,500/-)**

<b>Course Code</b>	<b>Course Name &amp; Structure</b>
Module BI-A1	Bioinformatics
Module BI-A2	Phylogenetic Analysis
Module BI-A3	Programming Languages in Bioinformatics
Module BI-A4	Biological Data Mining
Module BI-A5	Introduction on Drug Designing and Docking Studies
Module BI-A6	Intellectual Property Rights

### **Courses Available for 30 Days (Fees: Rs. 6,500/-)**

<b>Course Code</b>	<b>Course Name &amp; Structure</b>
Module BI-B1	Chemoinformatics and Rational Drug Designing
Module BI-B2	Molecular Modeling
Module BI-B3	Immunoinformatics
Module BI-B4	Pattern Recognition in Biology
Module BI-B5	Medical and Clinical Informatics
Module BI-B6	Agroinformatics
Module BI-B7	Ayurvedic Informatics
Module BI-B8	Perl & Bioperl
Module BI-B9	HTML, PHP and MySQL





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## Courses Available for 45 Days (Fees: Rs. 8,000/-)

Course Code	Course Name & Structure
Module BI-C1	Computer Aided Drug Designing with Ligand Simulation
Module BI-C2	Molecular Modeling with Phylogenetic Analysis
Module BI-C3	Microarray Data Analysis With Phylogenetic Analysis
Module BI-C4	Forencics Bioinformatics
Module BI-C5	Perl & Bioperl
Module BI-C6	Perl, PHP and Biological Databases
Module BI-C7	Python and Bio-Python

## Courses Available for 60 Days (Fees: Rs. 10,500/-)

Course Code	Course Name & Structure
Module BI-D1	Molecular Modeling and Computer Aided Drug Designing
Module BI-D2	Microarray Data Analysis and Molecular Modeling
Module BI-D3	Perl, PHP and Biological Databases
Module BI-D4	Advance Bio-Java



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## For Projects/Dissertation/Industrial Training/Diploma Topics Available:

- 3 Months (Fees: Rs. 13,000/-)
- 4.5 Months (Fees: Rs. 19,000/-)
- 6 Months (Fees: Rs. 25,000/-)
- 1 Year (Fees: Rs. 49,000/-)

Course Code	Course Name & Structure
Module BI-E1	Bioinformatics
Module BI-E2	Microarray Data Analysis
Module BI-E3	Computer Aided Drug Designing
Module BI-E4	Molecular Modeling
Module BI-E5	Software Development (Perl and Bioperl)
Module BI-E6	Database Development (HTML, PHP, MySQL)
Module BI-E7	Molecular Modeling and Drug Designing with Immunoinformatics
Module BI-E8	Advance Bioinformatics and Basic and Elective Clinical Research
Module BI-E9	Advance Bioinformatics and Base SAS
Module BI-E10	Bioinformatics, Drug Designing, Immuno-informatics and Clinical Research



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## Biotechnology (Wet Lab) Training Module/Project and dissertation

Biotechnology (Wet Lab) Training and Project Program on Our Campus

Registration Fees Rs. 500/- Including Course Fees

### **Courses Available for 7 Days (Fees: Rs. 3,500/-)**

Course Code	Course Name
Module BT-A1	PCR Techniques*
Module BT-A2	Gel Electrophoresis Techniques
Module BT-A3	DNA Fingerprinting
Module BT-A4	Enzymology & Microbial Biotechnology

### **Courses Available for 15 Days (Fees: Rs. 4,500/-)**

Course Code	Course Name
Module BT-B1	Recombinant DNA Technology
Module BT-B2	Immunotechnology*

### **Courses Available for 30 Days (Fees: Rs. 6,500/- only Training)**

### **(Fees: Rs. 8,500/- Training with project)**

Course Code	Course Name
Module BT-C1	Basic Recombinant DNA Technology
Module BT-C2	Basic Enzymology and Microbial Technology
Module BT-C3	Food Microbiology
Module BT-C4	Agricultural Microbiology



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## Courses Available for 45 Days (Fees: Rs. 8,000/- only Training)

(Fees: Rs. 10,000/- Training with project)

Course Code	Course Name
Module BT-D1	DNA Forensics
Module BT-D2	Recombinant DNA & PCR Technology
Module BT-D3	Industrial Enzymology & Microbial Biotechnology

## Courses Available for 60 Days (Fees: Rs. 10,000/- only Training)

(Fees: Rs. 12,000/- Training with project)

Course Code	Course Name
Module BT-E1	Elective Enzymology & Microbial Biotechnology
Module BT-E2	Elective Recombinant DNA Technology

## Courses Available for 90 Days (Fees: Rs. 14,000/- only Training)

(Fees: Rs. 16,000/- Training with project)

Course Code	Course Name
Module BT-F1	Advance Recombinant DNA Technology & Microbial Biotechnology

**For Projects/Dissertation/Industrial Training/Diploma Available in above mentioned topics.**

- 4.5 Months (Fees: Rs. 21,500/-)
- 6 Months (Fees: Rs. 25,500/-)

\* Mentioned courses are available in Hyderabad branch only.



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## Wet Lab & Dry Lab Training Module/Project and dissertation

**Biotechnology (Wet Lab) Training and Project Program on Our Campus Registration Fees  
Rs. 500/- Including Course Fees.**

**Courses Available for 1 Month (Fees: Rs. 7,000/-)**

**For Project Along with Training (Fees Rs. 9,000/-)**

Course Code	Course Name & Structure
Module BIT-A1	Basic Recombinant DNA Technology and Bioinformatics

**Courses Available for 2 Months (Fees: Rs. 12,000/-)**

**For Project Along with Training (Fees Rs. 14,000/-)**

Course Code	Course Name & Structure
Module BIT-B1	Basic Recombinant DNA Technology and Immunoinformatics
Module BIT-B2	Basic Recombinant DNA Technology and Rational Drug Designing
Module BIT-B3	Basic Enzymology and Microbiology with Rational Drug Designing

**Courses Available for 3 Months (Fees: Rs. 16,000/-)**

**For Project Alongwith Training (Fees Rs. 18,000/-)**

Course Code	Course Name & Structure
Module BIT-C1	Advance RDT & Microbiology with Computer Aided Drug Designing
Module BIT-C2	Insilico Molecular and Drug Studies on Macromolecule Based on DNA Sequenced by DNA Extraction from Genome of Micro-Organisms.



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## Courses Available for 4.5 Months (Fees: Rs. 21,000/-)

### For Project Along with Training (Fees Rs. 23,000/-)

Course Code	Course Name & Structure
Module BIT-D1	Applied RDT & Microbiology with Computer Aided Drug Designing
Module BIT-D2	Identification and validation by Insilico and Invitro Studies of Ligand/Drug Compound Targeting on Pathogenic Sequences of Micro-Organisms.

## Courses Available for 6 Months (Fees: Rs. 23,000/-)

### For Project Along with Training (Fees Rs. 25,000/-)

Course Code	Course Name & Structure
Module BIT-E1	Insilico (Proteomics/Genomics) and Invitro (Molecular Biology/ Sensitivity Pattern) Studies of Biological Pathogens.

## How to Apply:

Download registration form from the link <http://www.bio.egicore.com/downloads.php> fill and send it with registration fees Rs. 500/- Bank Draft/At Par Cheque in favor of “en-GENE-ier’s Core Technology Services” payable at Lucknow along with bonafide letter from your institute, updated resume and one photograph to our office address.

Or you can fill the registration form at the link:

<http://localhost/Bio-EGICORE/onlineregistration.php>.



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## Contact Detail:

**Training Team**

**Bio-EGICORE,**

**Department of Life Sciences, EGICORE,**

**Office: FF-13, First Floor, Galaxy Tower, Viraj Khand,**

**Hahnemann Chauraha, Gomtinagar, Lucknow -226010, U.P, India.**

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**Web: <http://www.bio.egicore.com/training.php>**

*Being Bio-en-GENE-iers!*