



Dr. Omics Labs
The Doctor of your DNA

Beginners to Advanced Bioinformatics 4 Week Core Course

Decoding Life's Mystery With Bioinformatics

www.dromicsedu.com



Welcome to Dr Omics Labs - Your Gateway to Genomic Excellence!

DrOmics Research Lab, a prominent research facility, offers comprehensive genomics research solutions and Bioinformatics services worldwide from its base in India. Headed by Deepshikha Satish, PhD (Translational Bioinformatics), our team comprises dedicated, keen-eyed, young, and enthusiastic Research Professionals. Our primary goal is to deliver specialized training programs for professionals, PhD, and MSc students in advanced technologies and fields. Our mission is to equip the future generation of scientists with the essential knowledge, skills, and hands-on experience to excel in their research and drive progress in the genomics sector.

Our training programs encompass a range of biotechnology subjects including molecular biology, genomics, proteomics, bioinformatics, and genetic engineering. Through workshops, seminars, hands-on sessions, and collaborative projects, students gain hands-on experience to understand advanced techniques and methodologies in biotech research.

The programs are structured to promote a cooperative and engaging learning atmosphere. Students are urged to join discussions, exchange ideas, and partake in practical experiments. Moreover, mentorship opportunities are available, enabling students to receive advice and assistance from seasoned experts as they progress through their training.

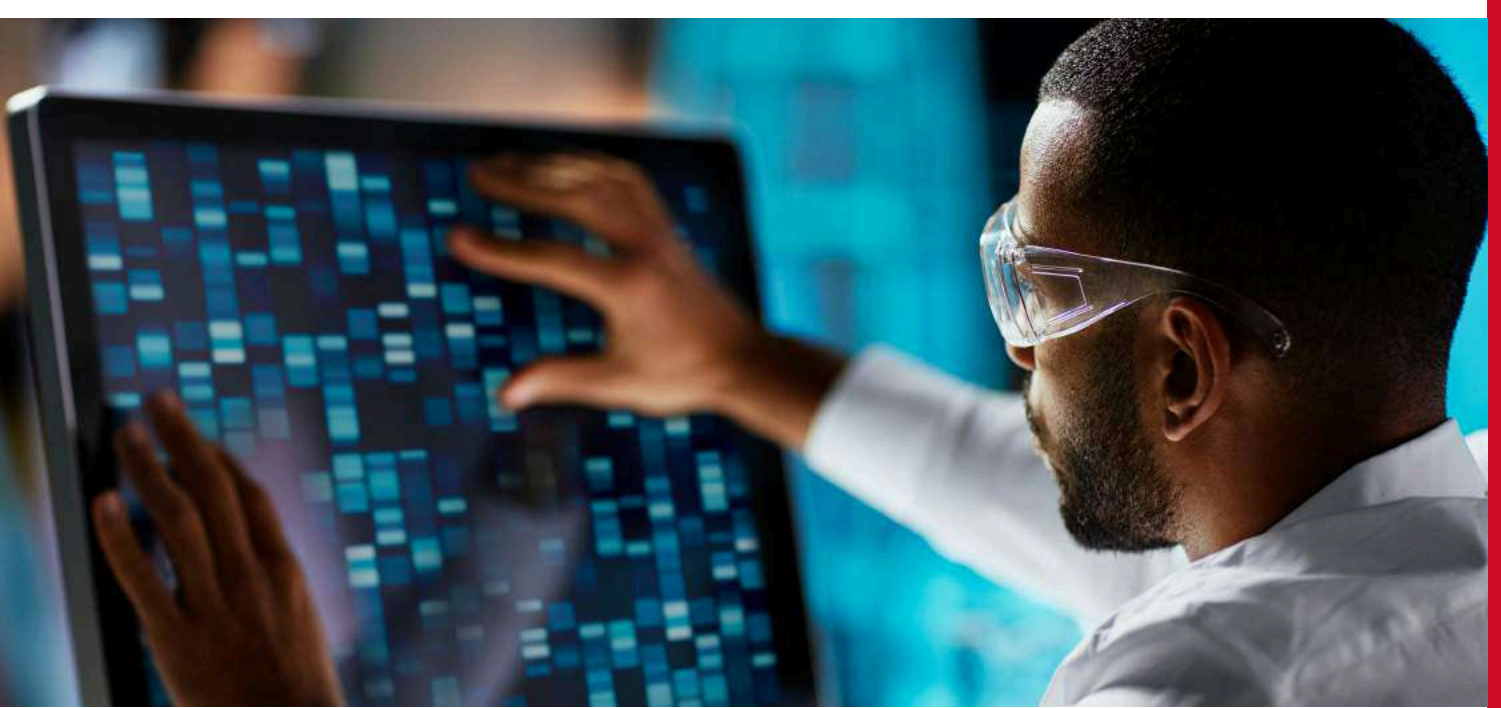




Beginners to Advanced Bioinformatics Core Course Highlights

Unlock the fascinating realm of bioinformatics with our comprehensive core course designed to cater to beginners and advanced learners. Delve into the intricate interplay between biology, computer science, and data analysis as you embark on this enriching journey.

- Grasp the essence of bioinformatics and its significance.
- Explore the intersection of genomics and computational analysis.
- Navigate key databases like GenBank, PubMed, KEGG, and more.
- Gain proficiency in essential tools like BLAST and Mega for sequence analysis.



Course Overview

- 01 Basics of Bioinformatics
- 02 Understanding tools and Databases
- 03 Introduction to LINUX

Duration: 4 Weeks



Module I: Basics of Bioinformatics

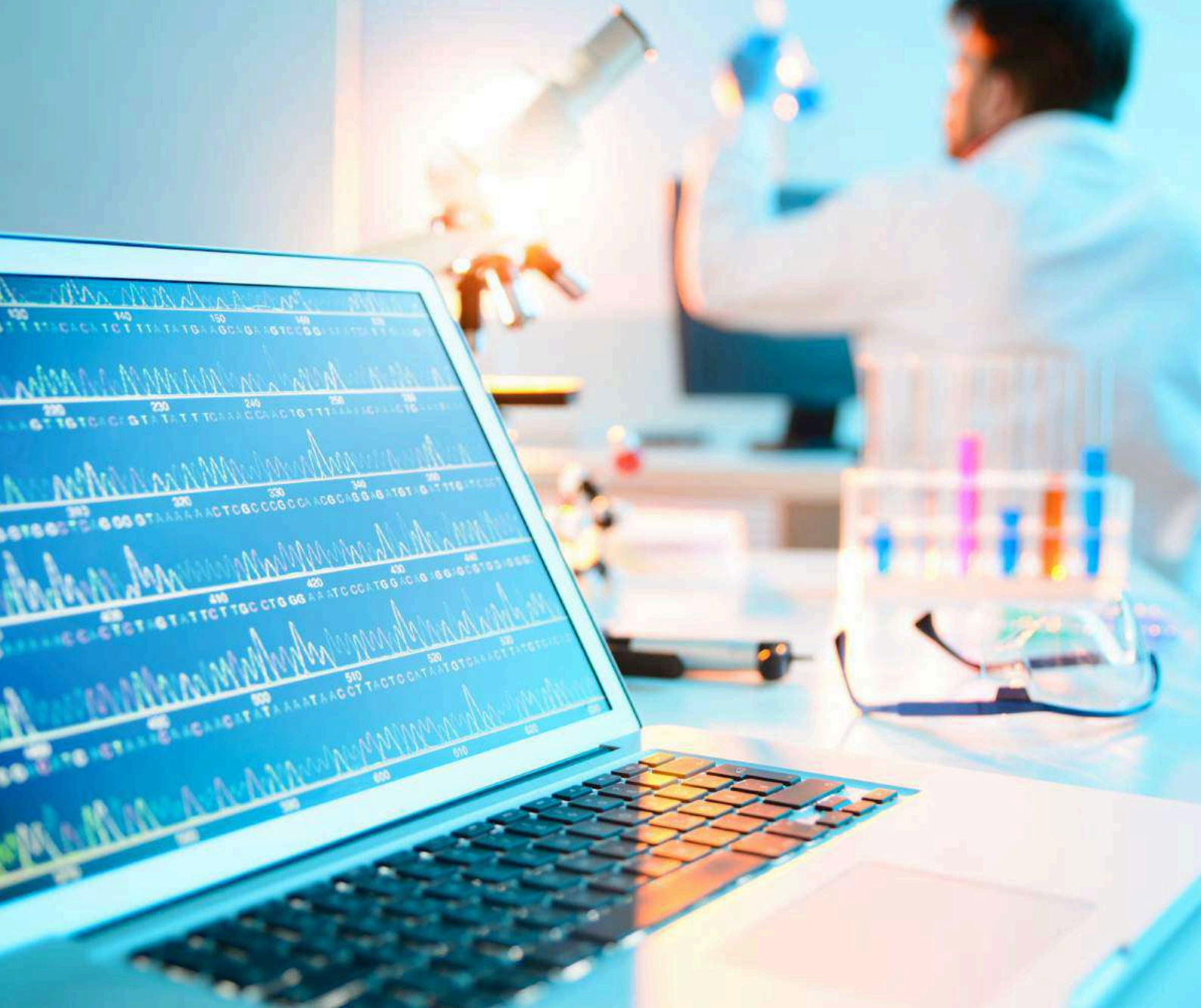
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Module II: Understanding tools and Databases

- **Defining & Understanding Bioinformatics**
- **Introduction to genomic bioinformatics**
- **Learning Databases (GenBank, PubMed, KEGG, Clinvar, UCSC, Uniprot, PDB)**
- **Understanding Bioinformatics Tools (BLAST, Stand-alone BLAST, Mega)**
- **Introduction to the Linux system**
- **Bridge the gap between biotechnology and bioinformatics**

Module III: Introduction to LINUX

- **Linux overview and significance**
- **File and directory operations (create, copy, move, delete)**
- **Text file editing and creation**
- **Process management (introduction and termination)**



What Sets Us Apart?

- **Hands-On Learning:** Engage in practical sessions and projects to reinforce theoretical concepts and develop real-world skills.
- **Expert Guidance:** Benefit from mentorship by seasoned professionals with extensive experience in bioinformatics research and industry.
- **Flexible Learning Options:** Choose between in-person classes or online sessions tailored to accommodate diverse schedules and learning preferences.
- **Networking Opportunities:** Connect with peers, researchers, and industry experts, fostering collaborations and expanding your professional network.



Terms and Conditions

- Enrollment in the 1-month bioinformatics core course is subject to availability and completion of the registration process.
- Maintaining Discipline during the Tenure.
- It is mandatory to maintain 85% attendance for all students.
- Students must maintain an average 'A2' grade throughout their training period.

NEED MORE INSIGHT & SUPPORT?

CONTACT US!

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Thank you!



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OUR CERTIFICATIONS & GRANTS

