



Dr.Omics Labs
The Doctor of your DNA

MetOmics **2 Weeks Core Course**

Exploring Complex Microbial Communities Beyond
Pure Culture and Single Genome Approaches

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.

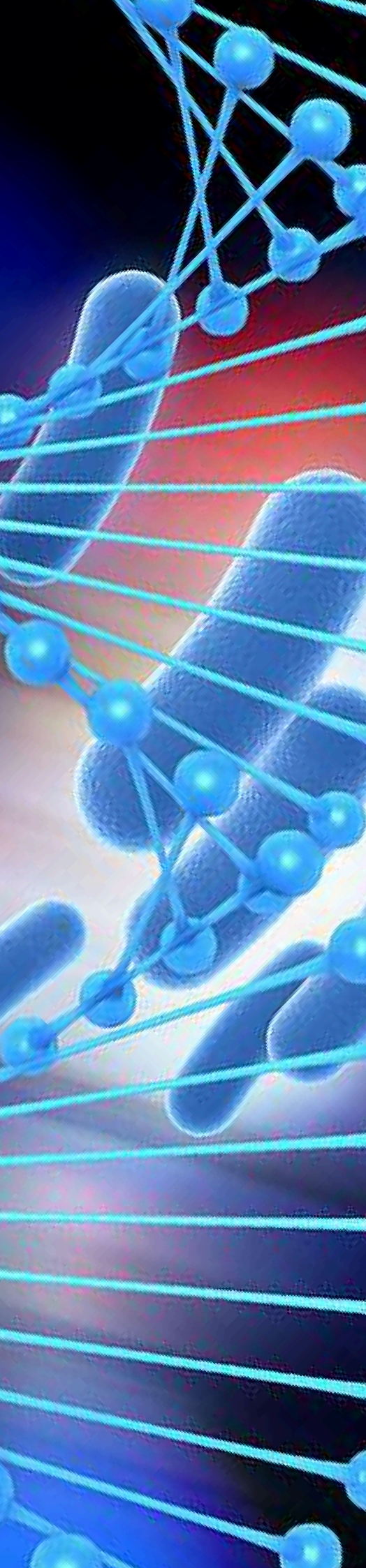




MetOmics Core Course Highlights

In this comprehensive course, you'll explore high-throughput sequencing techniques, data management, taxonomic classification, and functional analysis. Whether you're a researcher, scientist, or bioinformatics enthusiast, this course will equip you with essential skills for unraveling the hidden world of microbes.

- Cover targeted metagenomics.
- Practical Skills: Emphasizes hands-on exercises with real data.
- Deep Insights: Teaches taxonomic and functional analysis of microbes.
- Community: Offers opportunities for collaboration and learning.



Targeted Metagenome Analysis

- **Linux Installation**
- **Basic of Linux**
- **Tools Installation in Linux**
- **Introduction to metagenomics**
- **Important terminologies in NGS**
- **Data Downloading**
- **Quality control**
- **Trimming**
- **Data importing in Qimme2**
- **Data quality check using DADA2**
- **Phylogentic Analysis**
- **Taxonomy Analysis**
- **Krona Plot**
- **Phylogenetic tree construction**



What Sets Us Apart?

○ Cutting-Edge Research Opportunities

- Engage in hands-on training and research led by industry experts.
- Access cutting-edge equipment and technologies for innovative research opportunities.

○ Interdisciplinary Approach

- Integrate knowledge from biology, chemistry, and informatics.
- Gain a holistic understanding of Met-Omics.

NEED MORE INSIGHT & SUPPORT?

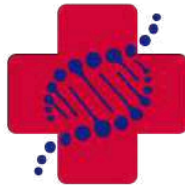
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Thank you!



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OUR CERTIFICATIONS & GRANTS

