



Comparative Genomics Workshops

Comparative Genomics Workshops

NTHRYS BIOTECH LABS provides a diverse array of workshops in the realm of Comparative Genomics. Explore our comprehensive offerings below

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Comparative Genomics Awaits: Navigate Through Our Workshop Offerings!

1. [Workshop in Introduction to Comparative GenomicsPDF](#)
2. [Workshop in Advanced Techniques in Comparative GenomicsPDF](#)
3. [Workshop in Emerging Trends in Comparative GenomicsPDF](#)

1. Workshop in Introduction to Comparative Genomics

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.

Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: Basics of Comparative Genomics

Overview of comparative genomics and its significance.

Introduction to the principles and applications of comparing genomic sequences across species.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Tools and Techniques

Hands-on training on key tools and techniques in comparative genomics.

Practical session on using bioinformatics software for genomic comparisons.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Evolutionary Insights

Overview of evolutionary insights gained from comparative genomics.

Practical exercises on analyzing evolutionary relationships and genetic variations.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Case Studies in Comparative Genomics

Discussion on real-world case studies in comparative genomics.

Analysis of comparative genomics research in understanding disease mechanisms and species evolution.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.

Dialogue on overcoming challenges in adopting new technologies in similar sectors.

Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes

2. Workshop in Advanced Techniques in Comparative Genomics

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.

Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: Genome Alignment and

Annotation

Introduction to advanced techniques in genome alignment and annotation.
Practical demonstration of multiple sequence alignment and functional annotation.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Comparative Genomic Hybridization (CGH)

Overview of CGH and its applications.
Hands-on workshop on using CGH for detecting genomic variations and structural differences.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Phylogenomics

Introduction to phylogenomics and its role in comparative genomics.
Practical session on constructing phylogenetic trees and analyzing genomic data.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Comparative Genomics in Medicine

Discussion on the applications of comparative genomics in medicine.
Case studies on using comparative genomics to identify disease genes and develop therapeutic strategies.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.
Dialogue on overcoming challenges in adopting new technologies in similar sectors.
Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes

3. Workshop in Emerging Trends in Comparative Genomics

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.

Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: Single-Cell Comparative Genomics

Introduction to single-cell comparative genomics and its applications.

Practical session on analyzing single-cell genomic data across species.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Metagenomics and Comparative Genomics

Overview of metagenomics in the context of comparative genomics.

Hands-on workshop on comparing metagenomic datasets from different environments.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Functional Genomics in Comparative Studies

Discussion on functional genomics approaches in comparative genomics.
Practical exercises on linking genomic variations to phenotypic traits.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Future Directions in Comparative Genomics

Exploration of future trends and innovations in comparative genomics.
Case studies on cutting-edge research and its impact on evolutionary biology and medicine.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.
Dialogue on overcoming challenges in adopting new technologies in similar sectors.
Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes

Note: NTHRYS Management reserves the right to modify the workshop module at any time without prior notice. Registered or enrolled candidates will receive the module that is current on the day of enrollment.

NTHRYS Workshops Department

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Comparative Genomics Workshops Application Process

1. Select a workshop from the list.
2. Contact via whatsapp on the number present above to request fee details and dates suitable for joining. Alternatively, you can send an email to workshops (a t) nthrys [d 0 t] com.
3. Our Workshop department will contact you promptly to provide further assistance.