



Genetics Workshops

Genetics Workshops

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

[Genetics Workshops Application Process](#)

[Back to All Workshops](#)

Activate Your Interest: Our Genetics Workshops Await!

1. [Workshop in Introduction to GeneticsPDF](#)
2. [Workshop in Advanced Techniques in GeneticsPDF](#)
3. [Workshop in Genetics in Biomedical ResearchPDF](#)
4. [Workshop in Innovations in GeneticsPDF](#)
5. [Workshop in Ethical and Regulatory Perspectives in GeneticsPDF](#)

1. Workshop in Introduction to Genetics

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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 Genetics

Overview of genetic principles and applications.

Hands-on session on Mendelian genetics and inheritance patterns.

Introduction to the importance of genetics in biology.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Molecular Genetics

Interactive session on the molecular basis of genetics.

Workshop on DNA replication, transcription, and translation.

Practical demonstration of molecular genetic techniques.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Genetic Variation

Exploring genetic variation and its significance.

Hands-on training on techniques for studying genetic diversity.

Case studies on the role of genetic variation in evolution and disease.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Genetic Engineering and Biotechnology

Workshop on genetic engineering and biotechnology applications.

Practical techniques for gene editing and cloning.

Case studies on the use of genetic engineering in research and industry.

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 Genetics

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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: High-Throughput Genetic Techniques

Introduction to high-throughput techniques in genetics.

Hands-on session on next-generation sequencing.
Practical demonstration of genomic data analysis.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Genomic Technologies

Exploring advanced genomic technologies.
Workshop on using CRISPR and other gene editing tools.
Case studies on the applications of genomic technologies in genetics research.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Population Genetics

Hands-on session on population genetics and evolutionary biology.
Exploring techniques for studying genetic structure and diversity.
Practical applications of population genetics in conservation and epidemiology.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Computational Genetics

Workshop on computational tools for genetic research.
Practical techniques for bioinformatics and computational modeling.
Case studies on the use of computational genetics in research.

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 Genetics in Biomedical Research

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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: Role of Genetics in Disease Research

Overview of the importance of genetics in disease research.

Hands-on session on studying genetic factors in diseases.

Case studies on the impact of genetics in biomedical research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Cancer Genetics

Exploring the role of genetics in cancer research.

Workshop on using genetic techniques to study cancer biology.

Case studies on the applications of genetics in cancer therapy.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Genetics in Personalized Medicine

Hands-on session on using genetics in personalized medicine.
Exploring techniques for identifying patient-specific genetic variations.
Practical applications of genetics in developing personalized therapies.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Clinical Applications of Genetics

Workshop on translating genetic research into clinical practice.
Practical techniques for using genetic data in clinical settings.
Case studies on the impact of genetics on medical treatments.

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

4. Workshop in Innovations in Genetics

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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: Emerging Technologies in Genetics

Introduction to emerging technologies in genetic research.

Hands-on session on using advanced analytical techniques for genetic analysis.

Case studies on innovative applications of new technologies in genetics.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: AI and Machine Learning in Genetics

Exploring the role of AI and machine learning in genetic research.

Workshop on developing predictive models for genetic analysis.

Case studies on the application of AI in genetics research.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Integrative Omics in Genetics

Hands-on session on integrating multi-omics data in genetic research.

Exploring techniques for combining genomics, proteomics, and metabolomics.

Practical applications of integrative omics in genetics.

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 Genetics

Discussion on emerging trends and future directions in genetics.
Workshop on integrating new technologies in genetic research.
Case studies on the potential impact of future innovations in genetics.

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

5. Workshop in Ethical and Regulatory Perspectives in Genetics

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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: Ethical Considerations in Genetic Research

Overview of ethical issues in genetic research.
Case studies on ethical dilemmas in studying genetics.
Workshop on addressing ethical considerations in genetic research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Regulatory Frameworks for Genetics

Exploring regulatory guidelines and requirements for genetic research.
Case studies on navigating regulatory challenges.
Workshop on understanding international regulatory frameworks.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Public Perception and Communication

Workshop on improving public understanding of genetic research.
Techniques for effective science communication.
Case studies on public engagement and education initiatives.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Policy and Planning for Genetic Research

Discussion on policy and planning for sustainable genetic research.
Case studies on effective policies and planning strategies.
Workshop on integrating ethical and social considerations in genetic research.

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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Genetics 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.