



Metabolomics Workshops

Metabolomics Workshops

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

[Metabolomics Workshops Application Process](#)

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Metabolomics Bound: Explore Our Exciting Workshops!

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

1. Workshop in Introduction to Metabolomics

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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 Metabolomics

Overview of metabolomics principles and applications.
Hands-on session on studying metabolic pathways and networks.
Introduction to the importance of metabolomics in biomedical research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Analytical Techniques in Metabolomics

Interactive session on analytical techniques used in metabolomics.
Workshop on using mass spectrometry, NMR, and chromatography.
Practical demonstration of metabolite extraction and analysis.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Metabolic Profiling

Exploring techniques for metabolic profiling and fingerprinting.
Hands-on training on data acquisition and processing.
Case studies on the application of metabolic profiling in disease research.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Data Analysis and Interpretation

Workshop on metabolomics data analysis and interpretation.
Practical techniques for using bioinformatics tools and software.
Case studies on interpreting complex metabolomics data.

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 Metabolomics

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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: Advanced Analytical Methods

Introduction to advanced analytical methods in metabolomics.
Hands-on session on high-resolution mass spectrometry and other techniques.

Practical demonstration of advanced metabolite analysis.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Targeted and Untargeted Metabolomics

Exploring targeted and untargeted approaches in metabolomics.
Workshop on designing and conducting targeted metabolomics studies.
Case studies on the applications of untargeted metabolomics in discovery research.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Metabolomics in Systems Biology

Hands-on session on integrating metabolomics with systems biology.
Exploring techniques for studying metabolic networks and interactions.
Practical applications of systems biology in understanding metabolic regulation.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Biomarker Discovery in Metabolomics

Workshop on the discovery and validation of metabolic biomarkers.
Practical techniques for identifying and validating biomarkers.
Case studies on the role of metabolomics in clinical diagnostics.

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 Metabolomics 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 Metabolomics in Disease Research

Overview of the importance of metabolomics in disease research.

Hands-on session on studying disease mechanisms using metabolomics.

Case studies on the impact of metabolomics in biomedical research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Metabolomics in Cancer Research

Exploring the role of metabolomics in cancer research.

Workshop on using metabolomics to identify cancer biomarkers.

Case studies on the applications of metabolomics in cancer therapy.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Metabolomics in Metabolic Disorders

Hands-on session on the use of metabolomics in studying metabolic disorders. Exploring techniques for studying metabolic diseases like diabetes and obesity. Practical applications of metabolomics in developing treatments for metabolic disorders.

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 Metabolomics

Workshop on translating metabolomics research into clinical practice. Practical techniques for using metabolic data in clinical settings. Case studies on the impact of metabolomics 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 Metabolomics

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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 Metabolomics

Introduction to emerging technologies in metabolomics.

Hands-on session on using advanced tools and techniques in metabolic research.

Case studies on innovative applications of new technologies in metabolomics.

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 Metabolomics

Exploring the role of AI and machine learning in metabolomics.

Workshop on developing predictive models using AI and ML.

Case studies on the applications of AI in enhancing metabolic 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 Metabolomics

Hands-on session on integrating multi-omics data in metabolomics.

Exploring techniques for combining genomics, proteomics, and metabolomics.

Practical applications of integrative omics in biomedical research.

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 Metabolomics

Discussion on emerging trends and future directions in metabolomics.

Workshop on integrating new technologies in metabolic research.

Case studies on the potential impact of future innovations in metabolomics.

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 Metabolomics

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

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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 Metabolomics Research

Overview of ethical issues in metabolomics research.
Case studies on ethical dilemmas in studying metabolic processes.
Workshop on addressing ethical considerations in metabolomics 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 Metabolomics

Exploring regulatory guidelines and requirements for metabolomics 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 metabolomics 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

Metabolomics

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