



Cytomics Workshops

Cytomics Workshops

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

[Cytomics Workshops Application Process](#)

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Embark on a Cytomics Adventure: Find the Perfect Workshop!

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

1. Workshop in Introduction to Cytomics

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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 Cytomics

Overview of cytomics and its role in cell analysis.

Introduction to flow cytometry, cell sorting, and microscopy techniques.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Flow Cytometry Fundamentals

Hands-on training on flow cytometry principles and instrumentation.

Practical session on sample preparation, data acquisition, and analysis.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Imaging Cytometry Techniques

Overview of imaging cytometry techniques such as confocal microscopy and high-content screening.

Practical exercises on image acquisition, analysis, and interpretation.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Advanced Cytomics Applications

Discussion on advanced cytomics applications in cell biology, immunology, and drug discovery.

Case studies on using cytomics for biomarker discovery and cellular profiling.

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 Cytomics

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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 Analysis

Introduction to single-cell analysis techniques in cytomics.
Hands-on workshop on single-cell isolation, sequencing, and analysis.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Multi-Parameter Flow Cytometry

Overview of multi-parameter flow cytometry and panel design strategies.
Practical session on designing and optimizing flow cytometry panels for complex analyses.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: High-Throughput Screening in Cytomics

Discussion on high-throughput screening techniques using cytomics platforms.
Case studies on screening compound libraries and functional genomics assays.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Single-Molecule Analysis

Overview of single-molecule analysis techniques in cytomics.
Practical exercises on single-molecule imaging, tracking, and quantification.

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 Cytomics

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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: Spatial Omics and Imaging Mass Cytometry

Introduction to spatial omics techniques and imaging mass cytometry.

Hands-on workshop on spatial transcriptomics and proteomics using imaging mass cytometry platforms.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Single-Cell Multi-Omics Integration

Overview of integrating single-cell multi-omics data in cytomics.

Practical session on data integration techniques and analysis pipelines.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Artificial Intelligence in Cytomics

Discussion on AI applications in cytomics data analysis and interpretation.

Case studies on using machine learning and deep learning for cytomics research.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Single-Cell Theranostics

Exploration of single-cell theranostics approaches using cytomics platforms.
Practical exercises on personalized medicine and targeted therapy using single-cell analysis.

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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Cytomics 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.