



Chemiinformatics Workshops

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

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Unleash Your Potential in Cheminformatics: Workshop Choices Galore!

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

1. Workshop in Introduction to Cheminformatics

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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 Cheminformatics

Overview of cheminformatics and its significance.
Introduction to the principles and applications of cheminformatics in drug discovery and chemical research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Chemical Databases and Data Mining

Hands-on training on using chemical databases and data mining techniques.
Practical session on retrieving and analyzing chemical information from databases.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Molecular Modeling and Visualization

Overview of molecular modeling and visualization tools.
Practical exercises on building and visualizing chemical structures using cheminformatics software.

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 Cheminformatics

Discussion on real-world case studies in cheminformatics.
Analysis of cheminformatics applications in drug design, materials science, and chemical 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

2. Workshop in Advanced Techniques in Cheminformatics

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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: Quantitative Structure-Activity Relationship (QSAR)

Introduction to QSAR modeling techniques.

Practical demonstration of building and validating QSAR models for predicting chemical activity.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Computational Chemistry Methods

Overview of computational chemistry methods in cheminformatics.
Hands-on workshop on molecular dynamics simulations and quantum chemistry calculations.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Machine Learning in Cheminformatics

Introduction to machine learning techniques in cheminformatics.
Practical session on applying machine learning algorithms to chemical data.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Cheminformatics in Drug Discovery

Discussion on the role of cheminformatics in drug discovery.
Case studies on using cheminformatics tools for virtual screening and lead optimization.

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 Cheminformatics

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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: Big Data in Cheminformatics

Introduction to big data applications in cheminformatics.

Practical session on managing and analyzing large-scale chemical datasets.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: AI and Deep Learning in Cheminformatics

Overview of AI and deep learning techniques in cheminformatics.

Hands-on workshop on using AI tools for chemical data analysis and prediction.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Integrative Cheminformatics Approaches

Discussion on integrative approaches in cheminformatics.
Practical exercises on combining cheminformatics data with bioinformatics and other scientific data.

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 Cheminformatics

Exploration of future trends and innovations in cheminformatics.
Case studies on cutting-edge research and its impact on the field of cheminformatics.

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

NTHRYS OPC PVT LTD

M: +91-7993084748

Email: workshops (a t) nthrys [d0t] com

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.