



Connectomics Workshops

Connectomics Workshops

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

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Unleash Your Potential in Connectomics: Workshop Choices Galore!

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

1. Workshop in Introduction to Connectomics

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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: Fundamentals of Connectomics

Overview of connectomics and its importance in neuroscience.

Introduction to neuronal tracing techniques and brain mapping.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Brain Imaging Techniques

Hands-on training on brain imaging techniques such as MRI, fMRI, and diffusion tensor imaging.

Practical session on data acquisition and processing.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Network Analysis in Connectomics

Overview of network analysis methods applied to connectomics data.

Practical exercises on analyzing brain connectivity networks and graph theory.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Connectomics in Disease Research

Discussion on the role of connectomics in studying neurological disorders.

Case studies on connectomics-based research in Alzheimers disease, autism, and other conditions.

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 Connectomics

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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: Connectome Reconstruction

Introduction to advanced connectome reconstruction methods.
Hands-on workshop on electron microscopy and automated image analysis for connectome reconstruction.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Functional Connectomics

Overview of functional connectomics and its applications in studying brain function.
Practical session on resting-state fMRI data analysis and functional connectivity mapping.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Connectomics Data Integration

Discussion on integrating connectomics data with other modalities such as genetics and neuroimaging.
Case studies on multi-modal data 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: Connectomics Visualization and Modeling

Overview of connectomics visualization tools and modeling techniques.
Practical exercises on visualizing and simulating brain networks.

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 Connectomics

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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: Connectomics and Machine Learning

Introduction to machine learning applications in connectomics.

Hands-on workshop on using machine learning for connectome analysis and prediction.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Connectomics and Computational Neuroscience

Overview of computational neuroscience approaches to studying brain connectivity.

Practical session on building computational models of brain networks.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Connectomics in Neurodevelopment

Discussion on connectomics research in understanding brain development and plasticity.

Case studies on connectome changes during development and aging.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Connectomics and Brain-Computer Interfaces

Exploration of brain-computer interface applications in connectomics.

Practical exercises on using connectomics data for controlling brain-computer interfaces.

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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Connectomics 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 o t] com.
3. Our Workshop department will contact you promptly to provide further assistance.