



NTHRYS WORKSHOPS

Advanced Techniques In Embryomics

8:45 AM - 10:15 AM: Session 1: CRISPR and Gene Editing in Embryos

Introduction to CRISPR-Cas9 technology for embryonic research.
Hands-on session on designing and executing gene editing experiments.
Practical demonstration of gene editing in embryos.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Stem Cells and Embryonic Development

Exploring the role of stem cells in embryogenesis.
Workshop on isolating and culturing embryonic stem cells.
Case studies on stem cell applications in regenerative medicine.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Imaging Techniques in Embryomics

Hands-on session on advanced imaging technologies.

Exploring the use of confocal and live-cell imaging.
Practical applications of imaging in studying embryonic development.

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 RNA Sequencing

Workshop on single-cell RNA sequencing in embryonic research.
Practical techniques for isolating and sequencing single cells.
Case studies on insights gained from 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