



NTHRYS WORKSHOPS

Practical Techniques In Synthetic Genomics

8:45 AM - 10:15 AM: Session 1: Introduction to Synthetic Genomics

Overview of synthetic genomics and its applications.
Techniques for designing and constructing synthetic genomes.
Case studies on synthetic genomics projects.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Genome Assembly Techniques

Hands-on techniques for assembling synthetic genomes.
Practical session on using software tools for genome assembly.
Discussion on optimizing genome assembly processes.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Synthetic Biology and Genomic Editing

Introduction to genomic editing techniques.

Practical demonstration of CRISPR and other gene editing tools.
Case studies on genomic editing in synthetic biology.

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 and Applications

Review of significant case studies in synthetic genomics.
Applications in biotechnology and medicine.
Future trends and research directions.

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