

NTHRYS WORKSHOPS

Biomanufacturing In Space

8:45 AM - 10:15 AM: Session 1: Microbial Production of Biopolymers in Space

Practical session on microbial biopolymer production in space.

Protocols for optimizing the production of biopolymers under microgravity conditions.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Microbial Bioreactors for Space Applications

Hands-on training on setting up microbial bioreactors for space environments. Protocols for bioreactor design, microbial growth monitoring, and product extraction in space.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Microbial Biosynthesis of Pharmaceuticals

Hands-on workshop on microbial production of pharmaceuticals in space. Protocols for producing key pharmaceuticals using engineered microbes in space bioreactors.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Biofabrication Using Microbes in Space

Practical session on microbial biofabrication in space.

Protocols for biofabricating materials like bioplastics, textiles, and other bioproducts using microbes.

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