



2024 ISLFD Workshop on Lyophilisation

Join us for an enriching workshop on lyophilization held by two renowned experts, Jos CORVER and Steven NAIL



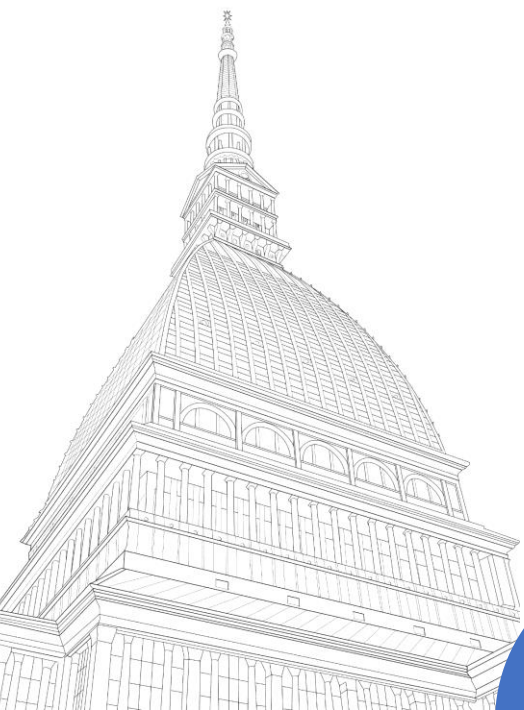
May 7th, 2024



9 a.m. – 5 p.m.



Unione Industriali Congress Centre
(Via Vincenzo Vela, 17 - Torino)



Check the QR code for workshop location

International Society of Lyophilization - Freeze Drying, Inc.



2024 ISLFD

Workshop on Lyophilisation

May 7th, 2024 - Turin, Italy

Workshop programme

Jos CORVER, Steven NAIL

1. Basics of freeze-drying

- Physics of the process: freezing, sublimation and desorption

2. Process control and measurement

- Pressure, temperature

3. Equipment of the freeze-dryer

- Chamber, shelves, heat exchangers, compressors, vacuum pumps, condenser

4. Product evaluation

- CQA's and how to measure them

5. Scale-up and design space

6. PAT and metrology

- Pressure, temperature, MTM, NIR

7. CIP/SIP

8. GMP aspects on freeze drying and Annex 1

9. New developments

- Continuous manufacturing, microwave

