

Training school:

Synthesis and characterization of nanoparticles for drug delivery: from fundamentals to biomedical applications

January 27th & 28th, 2026
Istanbul, Türkiye

Istinye University, Istanbul, Türkiye

On-site

Local time: UTC+3h



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www.advancetb.eu

January 27th, 2026

Day 1: Synthesis and characterization of nanoparticles

08:30h Registration

09.00h

Welcome and program overview

09:30h

Keynote: Bringing innovative products from lab to clinic: Scale-up and GMP compliance

Nazende Günday Türeli (CEO, MyBiotech GmbH)

10.00h Coffee break

10.30h

Lecture: Synthesis strategies for nanoparticles

Pınar Çakır Hatır (Istinye University)

12.00h Lunch

Participants are asked to pay for their meals.

13.30h

Hands-on Lab I: Nanoparticle synthesis

Asmaa Maaz (Istinye University)

15.30h Tea break

16.00h

Lecture: Introduction to characterization techniques

Beyzanur Erk (Istinye University)

18.00h **Social Event (Networking Dinner)**

Dinner guests are asked to pay for their meals.

January 28th, 2026

Day 2: Characterization, data analysis, and optimization

09.00h

Hands-on Lab II: Dynamic light scattering for nanoparticle size and surface charge analysis

Necla Yücel Ayten (Istinye University)

10.00h

Hands-on Lab III: Drug encapsulation and release studies

Gülşah Sevimli (Sabancı University)

11.00h **Coffee break**

11.30h

Hands-on Lab IV: Blood compatibility and responsiveness tests

Asmaa Maaz (Istinye University)

12.30h **Lunch**

13.30h

Analysing drug loading and release data

Necla Yücel Ayten (Istinye University)

15.00h

Troubleshooting and optimization of formulation

Beyzanur Erk (Istinye University) and Gülşah Sevimli (Sabancı University)

15.30h **Tea break**

16.00h

Discussion (Online session)

17.30h

Closing ceremony

Thanks for joining!



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