



FACULTAD DE
CIENCIAS QUÍMICAS



UNIVERSIDAD
COMPLUTENSE
MADRID



Una Europa PHD WORKSHOP DREAM-NANO project: “DESIGNING RESPONSIVE ADVANCED MATERIALS FOR NANOMEDICINES”

Date: September, 17th 2025

Location: School of Chemical Sciences, Complutense University of Madrid (UCM), Spain. [Google Maps](#). Take the metro to Moncloa station (Line 3), then catch bus G or 82 and get off at the Paraninfo – Matemáticas stop on Av. Complutense.

Venue: Salón de Actos (Library building, back door, Floor -1). See map below!

Programme

Time	Activity
08:30	Registration
08:50	Welcome – Prof. Andrés Guerrero (SSC Future Mat. Una Europa)
Session I: “Designing responsive and advanced materials for nanomedicines” Chair: Prof. Lucia Gutiérrez Marruedo	
09:00	“Designing Nano-Thermometers based on Rare Earth Nanoparticles” Prof. Benito Jorge Rubio Retama (Universidad Complutense de Madrid)
09:20	“Anticancer Activity of Chitosan-Derived Polyoxometalates Nanocomposites” Jaclyn M. Parris (Universität Zürich)
09:40	“Magnetic Nanoparticles: From Laboratory Design to Applications in Biomedical Imaging and Therapy” Dr. Niccolò Silvestri (Istituto Italiano di Tecnologia)
10:00	“That's so mesoscale: designing magnetically responsive hydrogels for biomedical applications” Liam Jowett (University College Dublin)
10:20	“Molecular Nanospectroscopy: Fundamentals and Applications in Nanomedicine” Prof. Dawid Lupa (Uniwersytet Jagielloński)
10:40	“Introduction to the synthesis of colloidal plasmonic gold nanorods” Dr. Guillermo González Rubio (Universidad Complutense de Madrid)
11:00	Coffee break + PhD student poster session (at the School Cantine)*

* Prizes for the best posters will be awarded during the conference’s closing session

Session II: “Translating Nanotech- From Discovery to Social Impact” Chair: Prof. Rosario M. Sánchez Martín	
12:00	“The NoCanTher project: from the lab to the clinic”. Dr. Alvaro Somoza (IMDEA Nanociencia, NanoCARE, Spain).
12:10	“My Journey with Blafar: From Scientific Discovery to Entrepreneurship” Dr. Hongyun Tai (Blafar Ltd., Ireland)
12:20	“NanoTech Solutions: Instrumentation for exploiting Nanomagnetic Applications” Dr. Francisco J. Terán (IMDEA Nanociencia, Spain)
12:30	“From research to real-world impact” Dr. María de la Fuente (Diversa Technologies, NanoCARE, Spain)
12:40	“Helium3: Bridging the Gap Between Nanotech Research and Commercial Reality” Dr. Carlos Montero Catalina (Helium 3 Technologies & Consulting, Spain)
12:50	“Translational research and entrepreneurship in Nanomedicine” Prof. Maria Jose Alonso (CIMUS-USC, NanoCARE, Spain).
13:00	Round Table: Open Q&A
13:45	Closing Session
14:00	Lunch (at the School Cantine)
15:00	Hands-on training: synthesis of magnetic/plasmonic NPs

Remote participation

Join remotely via this [link](#) — info coming soon.

Organizing committee

Conference Chairs: Helena Gavilán, Andrés Guerrero Martínez (UCM) - SSC Future Materials and Technologies (Una Europa) / Local Committee: Fernando Martín Garrido, Alma Treceño de Martín

This event has been co-organized with: NexMPI Cost Action (Chair: Spiridon Spirou) and NanoCare 2.0 network (Chair: Rosario M. Sánchez Martín)

Map of the Library building and surroundings

