



ScienceQuest

CONNECTING MINDS, SHAPING TOMORROW

Tentative Program



Global Summit on **Nanotechnology and Advanced Materials**

Date:
May 18-20, 2026

Venue:
Amsterdam, Netherlands

<https://www.nanotechnology.thesciencequest.org/>



Day 1 (May 18, 2026)

MainHall

08:30-09:30 Registrations

09:30-09:35 Introduction

09:35-10:00 Opening Ceremony

Plenary session

10:00-10:30 **Title: Electric-field control of magnetic order above room temperature**

Brahim Dkhil, *University of Paris-Saclay, France*

10:30-11:00 **Title: Nanochemistry and nanomedicine for nanoparticle-based diagnostics and therapy**

Chen Guanying, *Harbin Institute of Technology, China*

11:00-11:30 **Speaker Slot available.....**

11:30-11:45 **Refreshments Break@ Foyer**

Keynote session

11:45-12:10 **Title: Visual detection of a thrombin microsample on a PDMS-chip**

Rabia Asghar, *School of Medical Technology, Beijing Institute of Technology, Beijing, China*

12:10-12:35 **Title: Two point resistance on hypercubic lattices with second nearest neighbor resistors**

Monther Als Boul, *Al-Hussein Bin Talal University, Jordan*

12:35-13:00 **Speaker Slot available.....**

13:00-14:00 **Group Photo & Networking Session**

14:00-14:25 **Speaker Slot available.....**

14:25-14:50	Title: Anomalous photovoltaic response of graphene-on-GaN Schottky photodiodes Eunsang Kwon , <i>Tohoku University, Japan</i>
14:50-15:15	Speaker Slot available.....
Featured Talks	
15:15-15:35	Title: Deep neural networks with weighted spikes Jinho Lee , <i>Boston University, USA</i>
15:35-15:50	Refreshments Break@ Foyer
15:50-16:10	Speaker Slot available.....
16:10-16:30	Title: Environmental transformations of silver nanoparticles: impact on stability and toxicity Gregory V. Lowry , <i>Carnegie Mellon University, USA</i>
Speaker Slots Available	
Day 2 (May 19, 2026)	
MainHall	
08:30-09:30	Registrations
Plenary session	
09:30-10:00	Title: Multi-scale solar-to-hydrogen system design: An open-source modeling framework Rodrigo Ferrão Paiva Martins , <i>NOVA University Lisbon, Portugal</i>
10:00-10:30	Title: Nonlinearity symmetry breaking for generating tunable quantum entanglement in semiconductor metasurfaces Chennupati Jagadish , <i>Australian National University, Australia</i>

10:30-11:00 Speaker Slot available.....

Keynote session

11:00-11:25

Title: Affiliate stigma among caregivers of people with intellectual disability or mental illness

Rebecca Cheung, *Xi'an Jiaotong-Liverpool University, China*

11:25-11:40

Refreshments Break@ Foyer

11:40-12:05

Title: Proton-coupled electron transfer: the mechanistic underpinning for radical transport and catalysis in biology

Justin Hodgkiss, *Victoria University of Wellington, New Zealand*

12:05-12:30 Speaker Slot available.....

12:30-13:00 Speaker Slot available.....

13:00-14:00

Lunch Break

Featured Talks

14:00-14:20

Title: Metal Complexation for the Rational Design of Gemcitabine Formulations in Cancer Therapy

Federica Carnamucio, *Virginia Commonwealth University, USA*

14:20-14:40 Speaker Slot available.....

14:40-15:00 Speaker Slot available.....

Speaker Slots Available

Day 3 (May 20, 2026)

08:30-09:30 Registrations

Plenary Session

09:30-10:00 Speaker Slot available.....

10:00-10:30	Title: Extreme performance of multi-layer laminated glass designs under blast loads Hesham El-Emam, <i>University of Missouri, USA</i>
10:30-11:00	Title: Multimodal Learning-based Prediction for Nonalcoholic Fatty Liver Disease Yaran Chen, <i>Xi'an Jiaotong-Liverpool University, China</i>
Keynote Session	
11:00-11:25	Title: Thermal Influence on Chirality-Driven Dynamics and Pinning of Transverse Domain Walls in Z-Junction Magnetic Nanowires Mohammed Al Bahri, <i>A'Sharqiyah University, Oman</i>
11:25-11:40	Refreshments Break@ Foyer
11:40-12:05	Speaker Slot available.....
12:05-12:30	Speaker Slot available.....
12:30-13:00	Title: Zein-based photonic sensor platform: Application to microRNA detection Maria Goreti Ferreira Sales, <i>University of Coimbra, Portugal</i>
13:00-14:00	Lunch Break
14:00-14:20	Speaker Slot available.....
14:20-14:40	Speaker Slot available.....
14:40-15:00	Title: Nanoemulsions Based Therapeutic Strategies: Enhancing Targeted Drug Delivery against Breast Cancer Cells Thomas J. Webster, <i>Northeastern University, USA</i>
Speaker Slots Available	

Sponsors/Exhibitors

