



INTERNATIONAL SUMMER SCHOOL
ON NANOSCIENCES & NANOTECHNOLOGIES
JUNE 15-19 2026, SACROFANO, ROME ITALY

NANOSUM 2026

CIVIS Blended Intensive Program

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SAPIENZA
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Main topics (from the application)

- Nanobiotechnology
- Catalysis
- Nanotechnology and environmental management
- Nanoscale spectroscopy
- Quantum Technologies
- Chemistry of nanoscale materials
- Molecular biophysics



Preparation timelines and deadlines

Implementation calendar phase	Timeline
Submission of BIP details for CIVIS website	8 April – 31 May 2025
Student application period	1-30 October 2025
Student eligibility check by Mobility Unit	1-14 November 2025
Academic selection of students by Programme Coordinator*	18-30 November 2025

Virtual and Physical part

Implementation calendar phase	Timeline
Virtual part period	20 April – 6 July 2026
Physical part period	(14 arrival) 15-19 June 2026

Virtual part program overview

Topics	Teacher/Affiliation	Tentative dates
0. Plenary session, groups formation of 5 students per group in 7 groups (total 30 mobility students + 5 or more students from Sapienza)	All	April 20, 2026
1. Nanobiotechnology and agrifood	Tubingen University, Prof. K. HARTER	See schedule proposal below
2. Nanocharacterization/Nanotoxicology	Sapienza - Biology Prof. L. Dini and S. Tacconi	See schedule proposal below
3. AI technologies for data processing and digitalization	Santiago de Compostela University group	See schedule proposal below
4. Modeling at molecular and/or atomic scale with AI and Machine Learning for Agrifood	AIX Marseille, Prof. F. Michélini	See schedule proposal below
5. Sensors and devices for Agrifood	CNR/Sapienza, Dr. F. Petronella	See schedule proposal below
6. Protein design (by using AI and Machine learning techniques)	Tubingen, Prof. U. Kolukisaoglu	See schedule proposal below
7. Clay nanocomposites as a smart tool for agrifood sustainable development	Bucharest University, Prof. O. Pavel	See schedule proposal below

Each group will choose a problem/project proposed by the each

Virtual part program schedule

Meeting schedule for each group. There will be 7 meetings in parallel with the following timetable:

- April 27: Problem introduction by the teacher
- May 4: First intermediate meeting for each proposal decision held only by students
- May 11: Second intermediate mtg. in order to consolidate the approach eventually with the teacher
- May 18: Project revision 1
- June 1: Revised final version presentation finalised for the Physical part, teachers are invited

Physical part preliminary schedule

Tentative schedule and preliminary lecture titles for NANOSUM 2026 (Physical Component 14-19 June 2026)

14 June	15 June	16 June	17 June	18 June	19 June
	8h30: Opening	PRO DAY			
	<i>Nano-Engineering and Nano-Biotechnology for Agrifood</i>	Presentations by Industrials ST Microelectronics ZEISS Phydia Company	<i>Green Chemistry</i>	<i>Advanced nano-characterization techniques</i>	<i>Nanotechnologies for energy harvesting</i>
	9h-10h30	9h-10h15	9h-10h30	9h-10h30	9h-10h30
	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
	<i>Nanoscience and Nanotechnologies for crop protection</i>	Presentations by Industrials Jeol, Innoitaly	<i>Life Science Meets Nano-Engineering and Nano-Biotechnology</i>	<i>The "far side" of Nano</i> A philosopher point of view	<i>Sustainable environmental technologies</i>
	11h-12h30	11h15-12h45	11h-12h30	11h-12h30	11h-12h30
	Lunch	Lunch	Lunch	Lunch	12h30: Closing
	<i>Nanomaterials for energy</i>	Round tables	Student's presentations Open problem solving & NanoTEDs	Brainathon on the social and ethical dimensions of nanoscience and nanotechnology	Lunch
	14h30-16h		14h-16h		
	Coffee break	Coffee break	Coffee break	Coffee break	Departures 14h30
	<i>Quantum Information and Digital Technologies for Agrifood</i>	14h-17h		14h30-17h30	
	16h30-18h		FREE TIME	Student presentation AWARDS	
Welcome at at Fraterna Domus in Sacrofano					
Dinner	Dinner	Dinner	Dinner	Dinner	
	STUDENTS 20h-22h	STUDENTS 20h-22h	Social Dinner		