



# SESSION Quantum Science Technology programme

From 24<sup>th</sup> August to 4<sup>th</sup> September 2026

## WEEK 1

	Monday 24	Tuesday 25	Wednesday 26	Thursday 27	Friday 28	Saturday 29
8h15-8h30	Welcome by ESONN organisers					
8h30-10h00	Nanotoxicology Cyrill BUSSY	Near-field microscopies Hans HUG (A session)	Near-field microscopies Hans HUG	A journey through some of the physical properties of 2D materials Johann CORAUX	Bottom-up nanotechnology by molecular recognition and self-assembly Bart Jan RAVOO	Workshop Raphaël LEVY
10h00-10h30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
10h30-12h00	Nano-optics Val ZWILLER	Spin Physics and Spintronic phenomena YoshiChika OTANI	Technologies of nanofabrication Guillermo VILLANUEVA	Quantum electronic transport Clemens WINKELMANN	MOSFET physics and technology Irina IONICA	
12h00-13h30	Lunch	Lunch	Lunch	Lunch	Lunch	
13h30-15h00	Spin Physics and Spintronic phenomena YoshiChika OTANI	2' pitch presentation	Technologies of nanofabrication Guillermo VILLANUEVA	Seminar 1 13h30-14h30	Quantum electronic transport Clemens WINKELMANN	Sightseeing tour
15h00-15h30	Break	Break	Break	Seminar 2 14h45-15h45	Break	
15h30-17h00	Nano-optics Val ZWILLER	POSTER session	A journey through some of the physical properties of 2D materials Johann CORAUX	Testimony 16h-17h	MOSFET physics and technology Irina IONICA	
17:30-18:30	Official Welcome					

## WEEK 2

	Monday 31	Tuesday 01	Wednesday 02	Thursday 03	Friday 04
8h30-17h15	PRACTICAL WOR	PRACTICAL WORK	PRACTICAL WORK	PRACTICAL WORK	PRACTICAL WORK
					Farewell party in a restaurant FROM 19H00

COLOR CODE:

Lecture Session QST + NBS	Lecture Session QST	Seminar Session QST	Lecture Session NBS	Seminar session NBS	Practical work & Group events
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# SESSION Nano Bio Sciences programme

From 24<sup>th</sup> August to 4<sup>th</sup> September 2026

## WEEK 1

	Monday 24	Tuesday 25	Wednesday 26	Thursday 27	Friday 28	Saturday 29
8h15-8h30	Welcome by ESONN organisers					
8h30-10h00	Nanotoxicology Cyrill BUSSY	Mechanics of molecules and biological structures Bart HOOGENBOOM	Near-field microscopies Hans HUG	Advanced biophysics to study molecular systems Joachim PIGUET	Bottom-up nanotechnology by molecular recognition and self-assembly Bart Jan RAVOO	Workshop Raphaël LEVY
10h00-10h30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee	
10h30-12h00	Engineered Nanoparticles for Modulation and Monitoring of Biological Systems Oya TAGIT	Pros and cons of carbon based nanomaterials / (nano)plastics may not be so fantastic! Cyrill BUSSY	Nanostructured composite materials: from biological hard tissues to biomimetic and artificial systems Elena STURM	Colloidal quantum dots: synthesis, properties and applications Dmitry ALDAKOV	Nano-oncology Barbara STELLA	
12h00-13h30	Lunch	Lunch	Lunch	Lunch	Lunch	
13h30-15h00	Engineered Nanoparticles for Modulation and Monitoring of Biological Systems Oya TAGIT	2' pitch presentation	Advanced biophysics to study molecular systems Joachim PIGUET	Seminar 1 13h30-14h30  Seminar 2 14h45-15h45	Photoresponsive supramolecular and biomimetic nanomaterials Bart Jan RAVOO	Sightseeing tour
15h00-15h30	Break	Break	Break		Break	
15h30-17h00	Mechanics of molecules and biological structures Bart HOOGENBOOM	POSTER session	Nanostructured composite materials: from biological hard tissues to biomimetic and artificial systems Elena STURM	Testimony 16h-17h	Nano-oncology Barbara STELLA	
17:30-18:30	Official Welcome					

## WEEK 2

	Monday 31	Tuesday 01	Wednesday 02	Thursday 03	Friday 04
8h30-17h15	PRACTICAL WOR	PRACTICAL WORK	PRACTICAL WORK	PRACTICAL WORK	PRACTICAL WORK
					Farewell party in a restaurant FROM 19H00

COLOR CODE:

Lecture Session QST + NBS	Lecture Session QST	Seminar Session QST	Lecture Session NBS	Seminar session NBS	Practical work & Group events
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