

Instruct-ERIC course and MR LATVIA workshop

“Modern NMR for Biomolecular Interactions: From Solution and Solid-State to Hyperpolarization and AI”

The course is being organized by the Latvian Institute of Organic Synthesis - part of the Instruct-ERIC research infrastructure - in collaboration with CNRS/CRMN (Lyon, France) and CERM/CIRMMP (Florence, Italy).

Time: June 8-11, 2026 (4 days)

Venue: Latvian Institute of Organic Synthesis (LIOS), Aizkraukles 21, LV-1006, Riga, Latvia

Target group: PhDs, Postdocs and ESRs

	Day 1 – 8th June	Day 2 – 9th June	Day 3 – 10th June	Day 4 – 11th June
Morning session 9:00-12:00	Coffee	Coffee	Coffee	Coffee
	Lecture: Protein liquid-state interactions NMR	Lecture: Hyperpolarization for protein liquid-state NMR	Lecture: Ultra-fast MAS bio solid-state NMR	Data Analysis from Hand on sessions
	Lecture: High field NMR liquidstate	Lecture: RNA/DNA NMR	Lecture: High field DNP for bio solidstate NMR	Lecture: AI applications for bioNMR
Lunch Break 12:00 – 13:00				
Afternoon session 13:00-17:00	Keynote Lecture: Real life NMR applications for drug candidate discoveries	Lecture: Isotope labeling schemes for NMR	Lecture: Bio solidstate NMR for interactions	Lecture: Protein dynamics
	Hands on: Practical liquid-state/solidstate NMR	Hands on: Practical liquid-state/solidstate NMR	Hands on: Practical liquid-state/solidstate NMR	Lecture: Paramagnetic NMR for drug discovery
				MR LATVIA platform introduction
Evening	Free time	Free Time	Free time	Free time
		Dinner	Dinner	Joint Dinner