

## 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/CIRMMT (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

	<b>Day 1 – 8th June</b>	<b>Day 2 – 9th June</b>	<b>Day 3 – 10th June</b>	<b>Day 4 – 11th June</b>
<b>Morning session</b> <b>9:00-12:00</b>	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
	<b>Lunch Break 12:00 – 13:00</b>			
<b>Afternoon session</b> <b>13:00-17:00</b>	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
				Lecture: Paramagnetic NMR for drug discovery
	Hands on: Practical liquid-state/solidstate NMR	Hands on: Practical liquid-state/solidstate NMR	Hands on: Practical liquid-state/solidstate NMR	MR LATVIA platform introduction
				Wrap up and discussion about future of NMR for biomolecular interactions
<b>Evening</b>	Free time	Free Time	Free time	Free time
		Dinner	Dinner	Joint Dinner