

Infranalytics Worskshop

Low-Temperature MAS NMR with and without DNP

December 3, 2025
CRMN UMR 5082
CNRS / ENS Lyon / UCBL
5 rue de la Doua
69100 VILLEURBANNE

9h00 – 9h30	Introduction: low-T MAS instrumentation	Kong-Oi Tan
9h30 – 10h00	Introduction: Principles of MAS DNP	Anne Lesage
10h00 – 10h45	Practical session I	
10h45 – 11h00	Coffee break	
11h00 – 11h45	Practical session II	
11h45 – 12h30	Practical session III	
12h30 – 13h30	Lunch	
13h30 – 15h00	Lectures	
	LT-MAS ^{17}O NMR for materials	Danielle Laurencin
	MAS DNP NMR of surface compounds	Nghia Tuan Duong
	Paramagnetic NMR at low temperature	Andrew Pell
	Hierarchical protein dynamics by LT-MAS NMR	Martin Blackledge
	MAS DNP NMR of biomolecules	Guido Pintacuda
	MAS DNP NMR of pharmaceuticals	Judith Schlagnitweit
15h00 – 15h30	Coffee break and discussion with the lecturers	
15h30 – 17h00	Practical session IV	

NB: The title of the lectures may evolve upon planning finalization