

# "Linking Ice, gas and dust: Laboratory AstroChemistry (LILAC)"

## Final meeting of the i-LINK+2020 20353 project.

November 23-25, 2022.

Sala de Prensa, c/ Serrano 113, 28006 Madrid.

Wednesday 23rd	Speaker	Title
15:00 – 15:10	Belén Maté, IEM	Welcome.
15:10 – 15:40	Izaskun Jiménez-Serra, CAB	Activities within the i-link and perspectives.
15:40 – 16:10	Víctor Rivilla, CAB	Molecular precursors of the RNA-world in the interstellar medium: the astrochemical mine found in the G+0.693-0.027 molecular cloud.
16:10 – 16:30	coffee	
16:30 – 17:00	Sven Thorwirth (online), U. Köln	Action spectroscopic studies of transient carbon-rich species.
17:00 - 17:30	Miguel Jiménez-Redondo MPE	Reactions of HCN <sup>+</sup> and HNC <sup>+</sup> with H <sub>2</sub> studied in a low-temperature ion trap.
17:30 - 18:00	Discussion/Lab visits	
Thursday 24th	Speaker	Title
10:00 – 10:30	Guillermo Muñoz-Caro, CAB	Sulfur chemistry on ices.
10:30 – 11:00	Octavio Roncero, IFF	Hydrogen chemistry for ISM models: role of vibrational excitation.
11:30 – 12:00	coffee	
12:00 – 12:30	Marcelino Agúndez, IFF	The chemical composition of cold dark clouds.
12:30 – 13:00	José María Fernández, IEM	Rotational and vibrational relaxation of hot CO <sub>2</sub> .
13:00 – 13:30	Miguel Ángel Satorre, U. P. Valencia	Methanol ice deposited on gold and HAC. Structural changes with thermal processing.
13:30 - 15:30	LUNCH	
15:30 – 16:00	Víctor Herrero, IEM	C <sub>2</sub> H <sub>2</sub> plasmas for the production of interstellar dust analogues. Gas-phase reactions and solid particles.
16:00 – 16:30	Vicente Timón, IEM	Endurance of amino acids in Martian phyllosilicates.
16:30 – 17:00	Belén Maté, IEM	Indene in ices: IR spectra, UV and Cosmic rays processing.
17:00 – 18:00	Discussion/Lab visits.	
Friday 25th		
10:00 – 11:00	Collaboration plans.	
11:00 – 11:30	European Projects.	
11:30 – 12:30	Lab visits.	

Organized by: Instituto de Estructura de la Materia, IEM-CSIC  
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