



**H2020- Marie Skłodowska-Curie Action Staff Exchange
101007825 – ULTIMATE-I Project
Closing Project**

30/03/2026		
Time	Presentation	Participant
9:00-9:10	<i>Introduction</i>	José & Myriam
9:10-9:40	<i>PI 1: ICN2: Atomic scale defects in epitaxial films of complex layered compounds</i>	José Santiso
9:40-10:00	<i>Crystallographic control of the inverse spin Hall effect in IrO₂</i>	María Ángeles Laguna INMA-CSIC-Unizar
10:00-10:20	<i>Fabrication and characterization of future spintronic devices based on rare-earth iron garnets</i>	Paul Carvajal UTFSM
10:20-10:50	<i>Magnetic transitions and spin-polarized two-dimensional electron gas controlled by polarization switching in low dimensional heterostructures</i>	Solange Di Nápoli/Andrea Barral CONICET
10:50-11:20	<i>Coffee Break</i>	All Participants
11:20-12:20	<i>Plenary 1: Magneto-ionics for data security and brain-inspired memory devices</i>	Jordi Sort
12:20-12:40	<i>Thermomagnetic Properties of Mixed-Valence Manganite Films Near the Morphotropic Phase Boundary</i>	Dante Peluso CONICET
12:40-13:00	<i>Fluorescent Nanotechnology for the Detection of Metal Toxic</i>	Agostina Chapana UNLP-UnCuyo
13:00-14:30	<i>Lunch Break</i>	All Participants
14:30-17:30	<i>Alba Visit</i>	All Participants
17:30-19:00	<i>Round table: PI 2 Management and Closing of Ultimate-I Project (Myriam Aguirre) and Perspectives</i> <i>Ana María Llois: Importance of Marie Skłodowska-Curie Actions Staff Exchanges in training UNSAM human resources</i>	M Aguirre, L Steren, J. Santiso, AM Llois, S. Di Nápoli, M. Menghini, L. Avilés, C. García.....



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31/03/2026

Time	Presentation	Participant
9:00-10:00	Plenary 2: Transport in Quantum Materials @ IMDEA Nanociencia	Mariela Menghini IMDEA
10:00-10:30	<i>PI 3: CONICET: Exploring quantum and functional materials for spin conversion</i>	Laura Steren INN-CONICET
10:30-10:50	<i>Magnetization dynamics and spin current phenomena in YIG and Bi:YIG thin films</i>	Lara Solís CNEA
10:50-11:10	<i>Stress induced perpendicular magnetic anisotropy in rare earth iron garnets thin films</i>	Fernando Soto UTFSM
11:10-11:40	Coffee Break	All Participants
11:40-12:00	<i>Electrical and magnetic properties of hybrid materials based on conductive polymers and ferromagnetic nanoparticles</i>	Gabriel Paciaroni CONICET-UBA
12:00-12:20	<i>Transport Properties in Self-Assembled Magnetic Nanoparticle Systems</i>	Martín Nuñez UnCuyo-UNIZAR
12:20-12:50	<i>Neuromorphic devices based on ferroelectric layers and their implementation in a new automated system for training and machine learning.</i>	Miguel Rengifo UNIZAR
12:50-13:10	<i>TEM study of changes in amyloid Apo A-I fibres induced by gold plasmonic hyperthermia.</i>	Alejandra Borzi UNLP-INIFTA
13:10-14:40	Lunch Break	All Participants
14:40-15:40	Plenary 3: High-Temperature Superconductors and Hybrid Systems for Energy-Efficient Information and Communication Technologies.	Ana Palau ICMAB-CSIC
15:40-16:10	<i>PI 4: CNEA: Spin transport and magnetization dynamics in magnetic microstructures</i>	Luis Avilés CNEA
16:10-16:30	<i>Ultrahigh-frequency acoustic modes in metallic Co/Pt superlattices</i>	Mara Granada CNEA
16:30-16:50	<i>Caracterización de Aleaciones Elastocalóricas para Sistemas HVAC en Estado Sólido</i>	Gerónimo Castro CNEA
16:50-17:10	<i>Revisiting Aluminium Trifluoride Ultrathin Films as Low-Energy Electron-Beam Resist</i>	Gustavo Ruano CNEA
17:10-17:30	<i>Kinetic and Spectroscopic Analysis of AlF₃ Film Growth on Graphitic Substrates: Flux and Microstructure Effects on Intercalation and Surface Adsorption</i>	Heidy Betancourt CONICET
20:00	Gala Dinner (Masí Casa Fuster, Sant Cugat del Vallés)	All Participants



H2020- Marie Skłodowska-Curie Action Staff Exchange

Closing Meeting: 101007825 – ULTIMATE-I Project

Seminar Room ICN2, Campus UAB, Bellaterra, Barcelona (Spain)

01/04/2026		
Time	Presentation	Participant
9:00-9:30	<i>PI 5: UTFSMo: Influence of defects and tailoring on the magnetic properties of thin films</i>	Carlos García UTFSM
9:30-9:50	<i>Thermoelectric Properties of Sputtered Bi₂Te₃ Thin Films</i>	Manolo Cardona UTFSM
9:50-10:10	<i>Synthesis and Characterization of Metal Coordinated N-Graphene Quantum Dots</i>	Leandro López UNLP-INIFTA
10:10-10:30	<i>Design and Fabrication of Pt/Graphene/YIG Hall-Bar Devices Toward Spin Seebeck Detection</i>	Santiago Barrionuevo UNLP-INIFTA
10:30-10:50	<i>Self-induced inverse spin Hall effect in disordered FePt thin films</i>	José Luis Ampuero Torres IJL-UL
	<i>FINAL Coffee Break</i>	All Participants

Note: All Coffee breaks and Lunch breaks are sponsored by ULTIMATE-I project through ICN2's budget.