

## PROVISIONAL PROGRAM

8:30-9:00	Registration at ICMM hall
9:00-9:05	Wellcome (Eva. M Maya)
9:05-9:25	Research at ICMM (Bernd Wicklein)



### PART I



#### Materials for a Sustainable World

9:25-9:45	<b>Dr. Javier Pérez Carvajal</b>	<i>Personal trajectory and current vision</i>
9:45-11:15 (12`+3` questions)	OP1 Daniel Arribas Mercado	Moiré-induced enhanced adsorption performance of hydrogen on graphene
	OP2 Javier Prieto Serrano	Exploring the use of Cu-based nanoparticles to improve photocathode efficiency Enhancing Photocathode Efficiency through Cu-Based Nanoparticles
	OP3 Jon Aizpuru Sulis	ZrN-BASED MULTILAYER AS ELECTRODE COATING MATERIAL ON BIPOLAR PLATES FOR PROTON EXCHANGE MEMBRANE ELECTROLYZERS
	OP4 Adrian Saez Coronado	Síntesis y caracterización de hidruros iónicos
	OP5 Amalia Coro	Exploring Low Dimensionality in Perovskite Materials: Optical Properties and Diffusion Measurements
	OP6 M Carmen Borrallo Aniceto	Discovering the potential of a triazine covalent framework pyrene core for the detection of explosives and Cr(VI)
<b>11:15-11:45</b>	<b>Coffee Break + Poster Session</b>	
11:45-12:45 (12`+3` questions)	OP7 Alejandra Traspas Muiña	Astrochemistry at Large Facilities and Some Tardigrades to the Mix
	OP8 Clara López García	MOF-413 and Ga7Ni-TCPP: Two new multimetal MOFs obtained by the use of messenger building units
	OP9 Raluca Loredana Vasile	Iridium-based Multi-metal MOFs With Photocatalytic Activity
	O10 Victor Villabobos Vilda	Thermal Behavior of a Three-Fold symmetric molecule on two metallic surfaces: Atomic scale and Chemical Characterization
12:45-13:15 (20`+10`)	<b>Dr. David Alcantara</b> <i>Sociedad para el Avance Científico</i>	Accessing Marie Curie postdoctoral fellowships
<b>13:15-14:30</b>	<b>Lunch Time</b>	
<b>PART II</b>		
<b>Materials for Digital Information</b>		<b>Materials for Health</b>
14:30-14:50	<b>Dr. Álvaro Jimenez Galán</b>	<i>Personal trajectory and current vision</i>

14:50-16:50 (12`+3` questions)	OP11- Julia Martínez Ramirez	Magnetic hydrogels support neural cell culture development	
	OP12- Joab David Guerrero	MOF\CNF BIONANOCOMPOSITES WITH ANTIMICROBIAL ACTIVITY FOR APPLICATION IN WOUND HEALING	
	OP13-Daniel Michel Pino González	Minimal Kitaev-transmon qubit based on double quantum dots	
	OP14-Pedro Moronta	A perspective on understanding Random Lasers	
	OP15- Federico Villalobos Romero	On-Surface Synthesis of a Magnetic and Globally Aromatic Molecular Macrocycle.	
	OP16- Victor Zamora	Polar Vortices in Twisted BaTiO <sub>3</sub> membranes: A Pathway to High-Density Ferroelectric Memory	
	OP17- Joao Fradet	Complex two-step magnetization reversal in bi-modulated cylindrical FeCo Nanowires	
	OP18-Pablo Bastante	Molecular functionalization of atomically thin phototransistors	
<b>16:50-17:25</b>	<b>Break + Poster Session</b>		
<b>PART III</b>			
	ORAL-FLASH	ORAL-FLASH	ORAL-FLASH
17:25-18:00 (3`no questions)	OF1 Beatriz Fuerte Diez	Conversion of CO <sub>2</sub> into cyclic carbamates using heterogeneous imidazole based hypercrosslinked carbene Silver and Copper Complexes	
	OF2 Lucia Velasco Bermejo	Tracking the structural and electronic configurations of Co catalysts for Artificial Photosynthesis	
	OF3 Sergio Jimenez Fernandez	Atomic scale characterization of a phase transition induced by atomic hydrogen	
	OF4 Jaime Bueno	All-perovskite tandem solar cells with enhanced light absorption through plasmonic effects	
	OF5 Cristina Garcia Torrejón	Engineering of interfaces of Na solid-state electrolytes for anode-free batteries.	
	OF6 Mónica Chivite Lacaba	Exploring New Perovskite Electrodes: An Investigation into Their Structural Integrity and Electrical Properties for Application in Solid Oxide Fuel Cells	
	OF7 Angela Matarín Serrano	Hyper-crosslinked polymers based in anthracene and anthraquinone as photocatalysts for valorization of glycerol	
	OF8 Rafael Herrera Aquino	COBALT FERRITE NANOFLOWERS BY MICROWAVE-ASSISTED SYNTHESIS	
	OF 09 Maria Rapp Diez	Novel up-conversion nanoarchitectures based on intercalation of Y <sub>0.9</sub> Er <sub>0.1-x</sub> Yb <sub>x</sub> VO <sub>4</sub> nanoparticles in Laponite	
	OF10 Jose Miguel Lendinez	Atomistic spin dynamics investigation of laser-induced ultrafast magnetization switching in layered ferrimagnets	
	OF 11 Yigit Sozen		
<b>18:00-19:00</b>	<b>Beer + Round Table / AWARDS</b>		