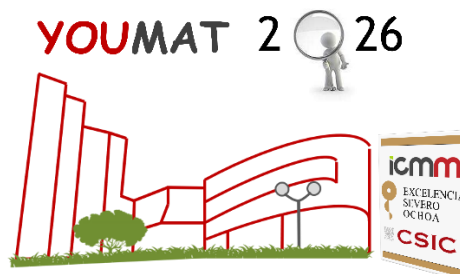


PROGRAM	
8:30-9:00	Registration at ICMM hall
9:00-9:05	Welcome (Eva. M Maya)
9:05-9:30	Research at ICMM (Jesus Ricote)



DAY I (May 5th)



Materials for Health


9:30-10:00	Dra. Maria Salvador	<i>Personal trajectory and current vision</i>
10:00-11:00 (12`+3` questions)	OP1 María Garrido Segovia	Au NPs grown by glancing angle deposition sputtering for photoactivated therapies
	OP2 Aurora Jiménez	Addressing Key Challenges in Graphene FET Biosensors: Automated Data Analysis and Attomolar Detection
	OP3 Marina París Ogáyar	Listening to Gold Nanoparticles: Acoustic Mapping of Intracellular Aggregation via Ultrafast Pump-Probe Spectroscopy
	OP4 Alvaro Gallego de Roa	Adsorption of Imidazole Derivatives on Ag(100): A Theoretical Approach Toward Radiosensitizer Design
11:00-11:45	Coffee Break and Poster Sesion	



Materials for a Sustainable World

11:45-12:15	Dra. Sara Nuñez	<i>Personal trajectory and current vision</i>
12:15-14:00 (12`+3` questions)	OP5 Lucía Sánchez de Bustamante Vila	Tailoring SrMoO ₃ -Based Perovskites via B-Site Ga-Doping and Ni Exsolution for High-Performance SOFC Applications
	OP6 Amalia Coro	Importance of the Preparation of Cesium Oleate in the Synthesis of Lead Halide Perovskite Nanocrystals'
	OP7 Noor Ul Ain	Unexpected 4 × 4 charge density wave in 1H-NbTe ₂ monolayer
	OP8 Rubén Canales Moreno	7,7'-diazaisoindigo vibrational states probed by TERS and Kondo Spectroscopy using cryogenic scanning tunnelling microscopy
	OP9 Xinyu Liu	Structural Modulation of Crystal Packing and Photocatalytic Function in Donor–Acceptor Systems

	OP10 Maya Allard	Study of 3D printing and plasticization on the piezoelectricity of polyhydroxybutyrate (PHB)
	OP11 Jazmin Melissa Mayta Milla	Enhancing ionic conductivity in Li-Mg-Zr halide electrolytes through bromide substitution.
14:00-15:30	Lunch time	
15:30-17:00 (12'+3' questions)	OP12 José González	Consolidation of ceramic magnets via a hybrid process combining cold sintering and two-step sintering
	OP13 Iván Bejarano Paniagua	Tuning the performance of sustainable SmCo5 magnets by chemical substitutions.
	OP14 Rafael Vilarinho	A Monte Carlo Approach to Random Laser Simulation: Early Results
	OP15 Michalis Vlachos	Multiscale Computational Insights into Synergistic Binding Sites in a Zirconium Metal–Organic Framework for the Capture of Perfluorooctanoic Acid
	OP16 Carlos Roldán-Piñero	“Twisting” the data: a universal machine-learning approach to classify single-molecule curves and beyond
	OP17 Carlos García Arcos	Low-Dimensional COF-based Nanostructures for Environmental Remediation: DFT Insights into the Capture and Stabilization of Emerging PFAS Contaminants
17:00-18:30	Poster Session	

DAY II (May 6th)		
 Materials for Digital Information		
9:15-9:45	Dr. Rafael Luque	<i>Personal trajectory and current vision</i>
9:45-11:00 (12' + 3' questions)	OP18 Cayetano Hernández Gómez	Plasmonic control in Hybrid Magnonic systems for Next-Generation spintronics
	OP19 Cristina Dipollina	Engineering Spin-Dependent Electronic Properties in Bilayer Graphene/WSe ₂ through Twist and Compression
	OP20 Esteban Zamora Amo	Ultra-conformal memristors for non-planar and skin-like surfaces
	OP21 José Miguel Lendínez	Universal Theory of Temperature-Dependent Domain-Wall Widths in Uniaxial Heisenberg Magnets
	OP22 Nicolò Galizia	Resistance mapping in mesoscopic films of low dimensional materials
11:00-11:45	Coffee Break and Poster Session	
FLASH PRESENTATION (Sara Nuñez)		
	F1 Silvia Gil Granja	Translating strategy into action: Engineering smart nanoparticles for platinum-based cancer therapy
	F2 Paula García Balaguer	Dual-Functional Triphenyltriindole “Knitting Polymers” for Efficient Iodine Capture and Zn–I ₂ Batteries
	F3 Wenjia Zhang	In Situ Raman Analysis of Aqueous Iron-Ion battery: From Electrolyte to Cathode

11:45-12:15 (3`no questions)	F4 Manuel Cerro Carracedo	Ion-Modulating Poly (vinyl alcohol) /Agarose/Poly (ethylene glycol) Hydrogels for Flexible Supercapacitors with Expanded Voltage Windows and High Rate Capability
	F5 Elena Caulín Ródenas	Strategies for the synthesis of bio-based active hypercrosslinked polymers
	F6 Guillermo Vergara Gómez	3D printed piezoelectric bionanocomposites: effect of the addition of carbon nanotubes on the conductivity and crystallization
	F7 Begoña Barcenilla Fernández	INCORPORATION OF BENZOTRIAZOLATE INTO ZEOLITIC IMIDAZOLATE FRAMEWORKS (ZIFs) FOR THE FORMATION OF UV-ABSORBING HYBRID GLASSES
	F8 Tayfun Kutlu	Ioinc Gated 2D Transistors
	F9 Alejandro José Silva Ybarnegaray	TWO NEW ALKALINE-EARTH METAL ELLAGATE MOF STRUCTURES
12:15-13:15	ROUND TABLE (Maria Salvador, Sara Nuñez and Rafael Luque)	
13:15-14:00	Beers and Awards	