

PROGRAMME

“1st Scientific Meeting of ICMA B- ICN2 Students”

13th May			
	Speakers	Affiliation	Title
9:15	Opening (X. Obradors and P. Ordejón)		
9:30	Roger Guzmán	ICMAB-CSIC	<i>Micro-to-atomic scale structure characterization in YBCO thin films by Transmission Electron Microscopy</i>
	Jackeline Narváez	ICN2	<i>Flexoelectrical measurements</i>
	Albert Queraltó	ICMAB-CSIC	<i>Self-assembled CGO nanoislands from chemical solutions</i>
10:15	Marta Rubio	ICN2	<i>One-dimensional metal-biomolecules nanostructures and their use as templates for inorganic nanoparticle superstructure synthesis</i>
	Víctor Sánchez	ICMAB-CSIC	<i>Metallacarboranes as Complementary Platforms to Ferrocene for Molecular Materials</i>
	Min Ying Tsang	ICMAB-CSIC	<i>Novel Multifunctional Boron-Based Molecular Materials</i>
11:00	COFFEE BREAK		
11:30	David Pesquera	ICMAB-CSIC	<i>Exploring interfacial and strain effects in multifunctional oxide heterostructures</i>
	Jessica Padilla	ICMAB-CSIC	<i>Spin-lattice coupling studied by synchrotron x-ray</i>
	Rafael Martínez	ICN2	<i>Theoretical study of electronic properties of graphene on a BN monolayer substrate</i>
12:15	Jessica Nava	ICMAB-CSIC	<i>Fluorinated materials as positive electrodes for Na-ion batteries</i>
	Jullieth Gabriela Suárez	ICN2	<i>Organic – Inorganic composites electrodes for supercapacitors</i>
	Desanka Boskovic	ICN2	<i>Electron-phonon coupling in rubrene: a DFT calculation</i>
13:00	LUNCH (not included)		
15:00	María Soler	ICN2	<i>Direct protein biomarker detection in human fluids using label-free immunosensors</i>
	Víctor Levedev	ICMAB-CSIC	<i>Towards all organic flexible sensors with a direct electrical detection principle</i>
	Katiane Pereira	ICMAB-CSIC	<i>High pressure study of light emission from the polynoidine protein</i>
	Sweta Bhansali	ICN2	<i>Nanotechnology: There are plenty of unknowns at the bottom</i>
16:00	End		

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	Speakers		Title
9:30	Elena Rojas	ICMAB-CSIC	<i>DELOS-susp for the preparartion of suspensions of hydrophobic drugs</i>
	Peng Fei Niu	ICMAB-CSIC	<i>Porous Carbon / Bi Nanoparticles Composites for Sensitive Heavy Metals Detection</i>
	Joan Comenge	ICN2	<i>Gold Nanoparticles for Drug Delivery in Cancer Therapy</i>
10:15	Laura Cabana	ICMAB-CSIC	<i>Purification, decoration and filling of carbon nanotubes for biomedical applications</i>
	Marta Riba	ICMAB-CSIC	<i>Polymers as scaffolds for the organisation of organic nanomaterials</i>
	Juliane Simmchen	ICN2	<i>Movement at the nanoscale - towards catalytic nanomotors</i>
11:00	COFFEE BREAK		
11:30	César Sánchez	ICN2	<i>Plasmonic biosensors for the study of regulation pathways in cancer-related genes</i>
	Muling Zeng	ICMAB-CSIC	<i>Preparation and characterization of bacterial cellulose films</i>
	Justo Cabrera	ICMAB-CSIC	<i>Boron Enrichment of Porphyrin Dendrimers with Potential Application in BNCT</i>
12:15	Juan Carlos González	ICMAB-CSIC	<i>Resistive Switching phenomena in complex oxides with Metal-to-Insulator Transition by means of C-SPM</i>
	Carlos Escorihuela	ICMAB-CSIC	<i>A new scheme to construct effective Hamiltonians for lattice-dynamical simulations</i>
	Regina Galcerán	ICMAB-CSIC	<i>Magnetic Tunnel Junctions</i>
13:00	LUNCH (not included)		
15:00	José Ángel Silva	ICN2	<i>Electronic structure calculations on MX2 dichalcogenide/Graphene hybrid structures</i>
	Bernhard Dörfling	ICMAB-CSIC	<i>Organic Solar Cells by Dr. Blade-coating</i>
	Dinh Van Tuan	ICN2	<i>Scaling properties of charge transport in polycrystalline graphene</i>
	Irene González	ICN2	<i>Nanostructured materials for Photovoltaic Energy</i>
16:00	End		