

Scientific Program

Thursday, October 13 th	<i>Morning</i>		
8:15 - 9:00	Registration		
9:00 - 9:15	Welcome		
9:15 - 10:00	Marek Grzelczak (CIC Biomagune) <i>Plasmon-assisted Photochemistry</i>	PL-1	Chairman: Andrés Guerrero
10:00 - 10:30	Fernando Martínez-Pedrero (U. Barcelona) <i>Micronadadores Magnéticos</i>	IL-1	
10:30 - 10:45	S. Rodal-Cedeira (U. Vigo) <i>Au@Pd Plasmonic nanoparticles with improved sensing and catalytic capabilities</i>	O-1	
10:45 - 11:00	María Sanromán Iglesias (CIC Biomagune) <i>Colorimetric Biosensor using Gold Nanoparticles for Discrimination in Single-Nucleotide Polymorphism</i>	O-2	
11:00 - 11:30	<i>Coffee Break</i>		
11:30 - 12:00	F.J. Montes Ruiz-Cabello (U. Granada) <i>Interaction forces in the presence of multivalent ions</i>	IL-2	Chairman: Jacqueline Forcada
12:00 - 12:15	A. Jiménez-Ruiz (U. Sevilla) <i>Gold Nanoparticles for Fast and Easy Detection of Lysozyme</i>	O-3	
12:15 - 12:30	S. De Marchi-Lourenço (U. Vigo) <i>Metallic nanoparticles@ZIF-8 hybrids as SERS tags for bioapplications</i>	O-4	
12:30 - 12:45	Joao Paulo Coelho (U. Complutense) <i>Self-Assembly of Gold Nanoparticles driven by a Cooperative Mechanism</i>	O-5	
12:45 - 13:00	Guillermo González-Rubio (U. Complutense) <i>Gold Nanoparticles Induce Nucleation of RepA-WH1 Prionoid Amyloid Oligomers</i>	O-6	Chairman: Marek Grzelczak
13:00 - 13:15	Teresa del Castillo-Santaella (U. Granada) <i>Biofunctionalization of Titanium surfaces with protein loaded polymeric nanoparticles: physicochemical characterization.</i>	O-7	
13:15 - 13:30	R. Martínez-González (U. Santiago de Compostela) <i>Evaluation of activity and degradation in biological media of upconverting based nanoplatfoms for theranostics applications.</i>	O-8	
13:30 - 13:45	A. Pardo (U. Santiago de Compostela) <i>Synthesis, characterization and evaluation of magnetic cubic nanoparticles as potential therapeutic tools</i>	O-9	
13:45 - 14:00	M. Blanco-Loimil (U. Santiago de Compostela) <i>Ordered two dimensional arrays of star-like bimetallic gold core/silver shell nanoparticles obtained by block copolymer lithography for biotechnological applications.</i>	O-10	
14:00 - 15:15	<i>Lunch</i>		

III Reunión de Jóvenes Investigadores en Coloides e Interfases (JICI III, Madrid 2016)

Thursday, October 13th	<i>Afternoon</i>		
15:15 - 16:00	Rubén Álvarez-Asencio (IMDEA Nanoscience) <i>Nanotribology, Surface Interactions and Characterization: Unconventional Applications of AFM</i>	PL-2	Chairman: Armando Maestro
16:00 - 16:30	Noemí Encinas (MPI of Polymer, Germany) <i>Super-liquid repellent surfaces with reduced protein, bacteria and cells adsorption</i>	IL-3	
16:30 - 16:45	Ana Mateos-Maroto (U. Complutense) <i>Liposomes as templates for polymer nanocapsules</i>	O-11	
16:45 - 17:00	A. Aguilera-Garrido (U. Granada) <i>Albumin-Covered Lipid Nanocapsules Exhibit Enhanced Uptake Performance by Breast-Tumor Cells</i>	O-12	
17:00 - 17:30	<i>Coffee Break</i>		
17:30 - 17:45	Anna May-Masnou (ICMAB-CSIC) <i>Au/TiO₂ nanoparticles on bacterial cellulose membranes for water splitting in gas phase</i>	O-13	Chairman: Rubén Álvarez Asencio
17:45 - 18:00	Pablo F. Garrido (U. Santiago de Compostela) <i>STAND: Determinación del Número de Agregación Micelar por Tensión Superficial.</i>	O-14	
18:00 - 18:15	Rubén Ahijado-Guzmán (U. Complutense) <i>Plasmonic Tip-to-Tip Assembled Nanorods for Enhanced Photothermal Cancer Therapy</i>	O-15	
18:15 - 18:30	S. Gómez-Graña (U. Vigo) <i>Self-Assembled Gold Nanooctahedra Through Microevaporators for Highly Efficient SERS-active Substrates.</i>	O-16	Chairman: Carlos Rey Castro
18:30 - 18:45	Yoran Beldengrün (IQAC-CSIC) <i>Cross-Linked microgels, produced by water-in-water-emulsions, as delivery system for enzymes</i>	O-17	
18:45 - 19:00	Irene Adroher-Benítez (U. Granada) <i>Efecto de las interacciones electroestéricas en la carga efectiva de microgeles termosensibles: teoría y experimentos.</i>	O-18	
20:30 -	<i>Social Dinner</i>		

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Friday, October 14 th		Morning	
9:00 – 9:45	C. Rey-Castro (U. Lleida) <i>Risk assessment of manufactured nanomaterials. Where classical theories of Colloids and Interfaces meet emerging environmental challenges in the 21st Century</i>	PL-3	Chairman: Ramon Pons
9:45 - 10:15	Jeremie Nestor (IQAC-CSIC) <i>Molecular self-assemblies as templates for nanostructured porous materials</i>	IL-4	
10:15 – 10:30	Luis A. Trujillo-Cayado (U. Sevilla) <i>Production of O/W ecological emulsions formulated with an essential oil by microfluidization technique</i>	O-19	
10:30 -10:45	Natalia Sánchez Arribas (U. Complutense) <i>Emulsions: Nanoparticles for Surfactant Replacement</i>	O-20	
10:45 – 11:00	Olaia Álvarez-Bermúdez (U. Valencia) <i>Catalytic and magnetic bifunctional polymer/metal oxyde hybrid nanoparticles by miniemulsion polymerization</i>	O-21	
11:00 – 11:15	Lourdes Álvarez Callejo (U. Complutense) <i>Cultivo Bacteriano en Polimerosomas Fabricados por Microfluidica</i>	O-22	
11:15 – 11:40	<i>Coffee Break</i>		
11:40 – 12:10	Armando Maestro (Cambridge University) <i>Unravelling the complex choreography of endocytosis in an in-vitro experiment</i>	IL-5	Chairman: Francisco Galisteo González
12:10 - 12:25	Laura Fernández-Peña (U. Complutense) <i>Solubilization of Ceramide-R in water: A promising route on the preparation of cosmetic formulations</i>	O-23	
12:25 - 12:40	Víctor G. Almendro-Vedia (U. Complutense) <i>Mechanical fluctuations during ATP synthesis</i>	O-24	
12:40 - 12:55	E. Villar-Álvarez (U. Santiago de Compostela) <i>Oncogenic pathway inhibition of aggressive tumors through a combinatorial therapeutic approach using nanostructured hybrid platforms.</i>	O-25	
12:55 - 13:10	Mónica Muñoz-Úbeda (U. Complutense) <i>Gemini/DOPE nanocarriers for the efficient transport and delivery of MFN1 in NIH3T3 mouse cells.</i>	O-26	Chairman: Francesc Mas
13:10 – 13:25	Pau Guillamat (U. Barcelona) <i>Controlling active gels with addressable soft interfaces</i>	O-27	
13:25 – 13:40	Pablo M. Blanco (U. Barcelona) <i>Brownian dynamics study of the macromolecular crowding effect in reaction-diffusion processes in cellular media</i>	O-28	
13:40 – 13:55	M. Martínez-Negro (U. Complutense) <i>Biophysical Study of Transfectious Polycationic Cyclodextrin-DNA Nanocomplexes in Biological Media: Effect of the Protein Corona on CDplexes Uptake by Cancer Cells</i>	O-29	
13:55 -15:00	<i>Lunch</i>		

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Friday, October 14th	<i>Afternoon</i>		
15:00 - 15:15	Sergio Ángel Ortega (U. Complutense) <i>Reconstitución artificial mediante microfluídica de un sistema de amplificación de DNA y expresión genética</i>	O-30	Chairman: Francisco Ortega
15:15 - 15:30	Samuel Salinas (U. Complutense) <i>The Mechanics of the Cell Membrane of Escherichia coli During the Division Cell Cycle</i>	O-31	
15:30 - 15:45	Lionel Perrin (U. Complutense) <i>Effect of silver nanoparticles on the wetting and the evaporation of water sessile droplets for different substrates</i>	O-32	
15:45 - 16:00	Javier Tajuelo (UNED) <i>Diagrama de fases de los módulos dinámicos de monocapas de Langmuir de ácidos grasos con distinta longitud de cadena hidrófoba.</i>	O-33	
16:00 - 16:15	David López Díaz (U. Salamanca) <i>Óxidos de Grafeno: una familia de materiales con propiedades modulables.</i>	O-34	Chairman: Ramón G. Rubio
16:15 - 16:30	Leonor Pérez-Fuentes (U. Granada) <i>Behaviour of milk allergenic proteins at hydrophobic interfaces.</i>	O-35	
16:30 - 16:45	Andrew Akanno (U. Complutense) <i>Interactions in Polyelectrolyte-Surfactant Mixtures in Bulk and at the Air-Water Interface</i>	O-36	
16:45 - 17:00	J.M. Pages-Casas (U. Barcelona) <i>Electric field control of phoretic nematic colloids</i>	O-37	
17:00 - 17:30	<i>Coffe Break</i>		
17:30 - 17:45	V. Domínguez (U. Santiago de Compostela) <i>Effect of Cationic Gemini Surfactant on DPPC Liposomes</i>	O-38	Chairman: David López Díaz
17:45 - 18:00	F. J. Ostos <i>Formation of surfactant-cyclodextrins host-guest complexes. Effect of the inclusion of a functional group at the end of the surfactant tail</i>	O-39	
18:00 -	<i>Concluding Remarks</i>		

