

# bioMAPP17 - 2<sup>nd</sup> Workshop on Biomaterials and Applications

27-28<sup>th</sup> April 2017

CiQUS, University of Santiago de Compostela

## Thursday 27th

9:30	Registration		
9:30 - 9:45	<b>Welcome: Prof. Dolores Pérez (Deputy Director of CIQUS)</b>		
9:45 - 10:30	<b>Plenary Lecture: Prof. José Luis Mascareñas</b>		
10:30 - 11:00	Coffe Break		
11:00 - 13:00	<b>Biological Chemistry. Oral presentations (10+ 5min each)</b>		
	O1	Manuel Núñez Martínez	Simultaneous Adjustment of Size and Helical Sense of Chiral Nanospheres and Nanotubes Derived from an Axially Racemic Poly(phenylacetylene)
	O2	Ghofrane Barka	DNA-mismatch selective recognition by Ru(II) metalloptides
	O3	Sonia Boga	Antitumoral Oligocationic Peptides Bearing 2,2'-Bipyridine Ligands
	O4	Olaya Domarco	A library of Pt(II)-based metallocycles that bind G-quadruplex motifs
	O5	Ana Sousa-Castillo	Microencapsulation of highly catalytic gold nanoclusters for an extreme thermal stability
	O6	Esteban Suárez Picado	Helical polymers as optical and chiroptical sensors to anions
	O7	Jacobo Gómez González	Route to DNA-binding miniprotein-helicate hybrids
	O8	Renata Calo	Smart synthetic mimics of the c-Myc oncoprotein
13:00 - 15:00	Lunch		
15:00 - 16:00	Poster Sesion		
16:00 - 16:45	<b>Plenary Lecture: Prof. Miguel A. Correa Duarte</b>		
16:45 - 17:15	Coffe Break		
17:15 - 18:15	<b>Sensing and Catalysis. Oral presentations (10 + 5min each)</b>		
	O9	Verónica Montes García	A SERRS-based lateral flow inmunoassay for ultrasensitive detection of biomolecules
	O10	María Sanromán Iglesias	Discrimination of Single Nucleotide Polymorphism in Long DNA Sequences based on Colorimetric Biosensors
	O11	Javier Pérez-Piñeiro,	Design and fabrication of plasmonic nanocapsules for detection of trimethoprim in wastewaters
	O12	Sarah De Marchi-Lourenço	Synthesis and characterization of novel SERS tags based on Au@Ag@ZIF-8 nanocrystals for bioapplications

## Friday 28th

9:00 - 9:45	<b>Plenary Lecture: Prof. Jesús Ruiz Cabello</b>		
9:45 - 10:45	<b>Biofunctional Materials. Oral presentations (10 + 5min each)</b>		
	O13	Ana I. Benítez-Mateos	On-demand fabrication of biomaterials by coupling cell-free protein synthesis and immobilization in one-pot
	O14	Manuel Vázquez Sulleiro	Non-conventional covalent modification of graphenebased materialsunder microwave conditions
	O15	E.Villar-Álvarez	Gold Nanohybrids platforms as an application on oncogenic pathway inhibition ofaggressive tumors through a combinatorial multi-therapeutic approach
	O16	I. Jéniffer Gómez	New NanoCarriersbased on Carbon NanoDots: from Fabrication towards Biomedical Applications
10:45 - 12:00	Coffe Break and Poster Session		
12:00 - 13:00	<b>Therapy and Diagnostics</b>		
	O17	Clara Correa-Paz	Encapsulation of recombinant tissue plasminogen activator (r-tPA) in sono-sensitive nanoparticles
	O18	Alberto Fuertes	New membrane-spanning agents and ionophores based on cyclic-peptide dimers
	O19	Guillermo González-Rubio	Gold Nanoparticles Induce Nucleation of RepA-WH1 Prionoid Amyloid Oligomers
	O20	M. Pazo	Modification of the peptide surface for cellular internalization