

SCIENTIFIC PROGRAMME

Monday 1 st October 2018		
14:30-16:30	Conference registration	
16:30-17:00	Opening remarks Salvador Ordoñez García Director of the Research Management Area of the University of Oviedo María Cristina Valdés Rodríguez General Director of Universities and Research of the Principality of Asturias Vicente Gotor Fernández Chairman of the VI Brazil-Spain Workshop on Organic Chemistry Organizing Committee	
Session 1 Chairman: Miguel Yus (University of Alicante)		
17:00-17:45	José Luis Mascareñas <i>CIQUS-University of Santiago de Compostela (Santiago de Compostela, Spain)</i> Metal-based tools in Chemical Biology	PL-1
17:45-18:30	Carlos Kleber Zago de Andrade <i>University of Brasilia (Brasilia, Brazil)</i> Synthesis of (macro)heterocycles by consecutive isocyanide-based multicomponent reactions	PL-2
18:30-19:15	Flavio da Silva Emery <i>University of São Paulo (Ribeirão Preto, Brazil)</i> Innovative heterocycles: Populating the useful fragment space	PL-3
19:15-21:00	Welcome reception	

Tuesday 2 nd October 2018		
Session 2		
Chairman: Ricardo F. Affeldt (Federal University of Santa Catarina)		
09:30-10:15	Mariola Tortosa <i>Autonomous University of Madrid (Madrid, Spain)</i> Synthesis of versatile intermediates using copper catalysis	PL-4
10:15-11:00	Carlos Roque Duarte Correia <i>State University of Campinas (Campinas, Brazil)</i> Non-covalent substrate-directed enantioselective Heck reactions. New paradigms and synthetic applications	PL-5
11:00-11:15	Raquel Soengas <i>University of Almería (Almería, Spain)</i> Stable cationic bis-cyclometallated gold(III) complexes for dual gold-silver catalysis	OC-1
11:15-12:00	Coffee break & Poster session	
Session 3		
Chairman: Joaquín Plumet (Complutense University of Madrid)		
12:00-12:45	Francisco Foubelo <i>University of Alicante (Alicante, Spain)</i> Chiral nitrogen-containing heterocycles from <i>N</i> - <i>tert</i> -butanesulfinyl imines	PL-6
12:45-12:50	Lucía Florentino <i>University of Oviedo (Oviedo, Spain)</i> Synthesis of 2,2-disubstituted α -tetralones and indanones through metal-free coupling of <i>N</i> -tosylhydrazones and boronic acids involving the formation of two C-C bonds in a quaternary stereocenter	FP-1
12:50-12:55	Yolanda Navarro <i>University of Almería (Almería, Spain)</i> Synthesis, crystal structure and magnetic properties of a new phosphonic amide-TEMPO diradical and its Cu ^{II} complex	FP-2
12:55-13:00	Marcos Ferrándiz-Saperas <i>University of Alicante (Alicante, Spain)</i> Stereodivergence in catalytic enantioselective 3+2 cycloadditions of azomethine ylides promoted by metal salts and privileged Segphos derived ligands	FP-3
13:00-13:45	Antonio Carlos Bender Burtoloso <i>University of São Paulo (São Paulo, Brazil)</i> Alpha carbonyl functionalization from sulfur ylides and diazo compounds	PL-7
13:45-15:15	Lunch break	

Tuesday 2 nd October 2018		
Session 4		
Chairman: Giuliano Cesar Clososki (University of Sao Paulo-Ribeirão Preto)		
15:15-16:00	Leandro Helgueira Andrade <i>University of São Paulo (São Paulo, Brazil)</i> Exploitation of immobilized catalysts for synthetic applications	PL-8
16:00-16:05	Jesús Albarrán-Velo <i>University of Oviedo (Oviedo, Spain)</i> One-pot two-step stereoselective amination of allylic alcohols using laccases and transaminases	FP-4
16:05-16:10	Marina García-Ramos <i>University of Oviedo (Oviedo, Spain)</i> Dehalogenation processes catalyzed by transaminases as example of enzymatic promiscuous reactions	FP-5
16:10-16:25	Ángela Mourelle-Insua <i>University of Oviedo (Oviedo, Spain)</i> Synthesis of chiral lactams and β -amino amides. Transaminases in cascade and dynamic processes	OC-2
16:25-17:00	Coffee break & Poster session	
Tuesday 2 nd October 2018		
Session 5		
Chairwoman: Rosario Fernández (University of Sevilla)		
17:00-17:45	Fernando López-Ortiz <i>University of Almería (Almería, Spain)</i> Innovative applications of the ortho effect: the way to new reactions and new weapons against superbugs	PL-9
17:45-18:00	Martin Soto <i>University of Oviedo (Oviedo, Spain)</i> Use of samarium diiodide for the stereoselective synthesis of 2,2'-biflavanones: A new example of temperature-controlled stereochemical outcome	OC-3
18:00-18:45	Eufranio Nunes da Silva Junior <i>Federal University of Minas Gerais (Belo Horizonte, Brazil)</i> Metal-catalyzed C-H bond activation and oxidation reactions towards quinoidal systems: The special case of A-ring functionalization	PL-10
18:45-20:30	Free evening	
20:30-23:30	Conference dinner (Sidrería Tierra Astur Águila Colloto)	

Wednesday 3 rd October 2018		
Session 6		
Chairman: Marcus Mandolesi Sá (Federal University of Santa Catarina)		
09:30-10:15	María Consuelo Jiménez <i>Polytechnic University of Valencia-CSIC (Valencia, Spain)</i> Mapping the intraprotein region with photoactive ligands	PL-11
10:15-11:00	Ignacio Alfonso <i>Institute of Advanced Chemistry of Catalonia-CSIC (Barcelona, Spain)</i> The usefulness of complexity in molecular recognition	PL-12
11:00-11:15	Jose Berna <i>University of Murcia (Murcia, Spain)</i> Formation of β -lactams with two stereocenters by intramolecular cyclization of fumaramide [2]rotaxanes	OC-4
11:15-11:45	Coffee break & Poster session	
Session 7		
Chairwoman: Carmen Nájera (University of Alicante)		
11:45-12:00	Manuel Plaza <i>University of Oviedo (Oviedo, Spain)</i> One-step formation of two different C-C bonds on quaternary Stereocenters: metal-free domino carbocyclizations of <i>N</i> -tosylhydrazones with boronic acids	OC-5
12:00-12:45	Catia Ornelas <i>University of Campinas (Campinas, Brazil)</i> Development of multifunctional nanomaterials for drug delivery	PL-13
12:45-13:30	David Díaz-Díaz <i>Institute of Natural Products and Agrobiology-CSIC (Tenerife)</i> Performing air-sensitive photoredox catalysis under aerobic conditions in gel networks	PL-14
13:30-13:45	Closing ceremony	