

# Wednesday, June 15th

11:30h-16:00h	Registration
16:00h-16:30h	Opening Ceremony
16:30h-17:20h	<b>PL-1 Brent Gunnoe</b> Transition Metal Catalyzed Hydroarylation of Olefins: New Catalysts for Alkyl and Alkenyl Arenes.
17:20h-18:50h	<b>Oral Communications 1-4 and Flash Presentations 1-6</b>
OC-1	Au(III) $\pi$ -Allyl Complexes: From Structure Analysis to Catalysis <a href="#">J. Rodriguez</a>
FP-1	Reactivity of an Osmium(VI)-Polyhydride with Silanes and Germanes <a href="#">E. Raga</a>
FP-2	$\beta$ -Lactam and Penicillin Substituted Mesoionic Metal Carbene Complexes <a href="#">M. Moreno-Latorre</a>
OC-2	Robust Dicopper Boryl Complexes: Synthesis, C(sp)-H Bond Activation and Computational Studies <a href="#">P. Ríos</a>
FP-3	Unveiling the Intermediacy of High-Valent Cp*Co Species on Nucleophilic Couplings <a href="#">S. López-Resano</a>
FP-4	(Per)fluoroalkylation of Arenes by Means of Photoredox Catalysis <a href="#">A. Gallego</a>
OC-3	Trifluoromethylation through Ag(I)/Ag(III) Redox Manifold <a href="#">L. Demonti</a>
FP-5	Metal Coordinating Tripodal Cyclic Peptides as Catalyst <a href="#">M. V. López Corbalán</a>
FP-6	One-pot Tandem Methodologies Based on Morita-Baylis-Hillman Reaction for C-X (X = N, P, S, B) Bond Formation in Sustainable Solvents <a href="#">M. Ramos-Martín</a>
OC-4	Rationalizing the Reactivity of Anionic Aluminum(I) Species Towards Arenes <a href="#">J. J. Cabrera</a>
19:30h-21:30h	Welcome Cocktail

# Thursday, June 16th

9:00h-9:50h	<b>PL-2 Robert J Phipps</b> Harnessing Non-Covalent Interactions to Address Selectivity Challenges in Transition Metal Catalysis
9:50h-10:50h	<b>Oral Communication 5 and Flash Presentations 7-15</b>
FP-7	Silica Nanostructures Against Fungal Growth: Design and Preparation of Antifungal Cotton Fabrics

	<u>M. Liu</u>
<b>FP-8</b>	Visible-Light-Promoted Deamination of Primary Amines <u>M. Martín</u>
<b>FP-9</b>	New Methodology to Synthesize Di- and Tetrahydropyran Spirocyclic Compounds <u>J. Trujillo-Sierra</u>
<b>FP-10</b>	Enhancement of a Gold(I) Complex Catalytic Activity: One-pot synthesis of Benzofulvenes <u>S. Fernández</u>
<b>OC-5</b>	Synthetic Applications of Photoredox Catalysis In Living Cells <u>M. Tomás-Gamasa</u>
<b>FP-11</b>	Cross-metathesis for the Efficient Synthesis of [FeFe] Hydrogenase Mimics <u>S. Aguado</u>
<b>FP-12</b>	Enantioselective Addition of Remote Alkyl Radicals To Double Bonds by Merging Photocatalytic PCET and Chiral Lewis Acid Catalysis <u>N. Salaverri</u>
<b>FP-13</b>	Activation of C-H Bonds in Heterocycles Mediated by a Rhodium-POP Complex <u>L. A. de las Heras</u>
<b>FP-14</b>	Site-Selective Cobalt-Catalyzed Deuteration of Complex Molecules <u>S. Barranco</u>
<b>FP-15</b>	Redox-Switchable Gold(I) Catalyst: A Convenient Way for Studying Ligand-Derived Electronic Effects <u>C. Ruiz-Zambrana</u>
<b>10:50h-11:30h</b>	<b>Coffee Break &amp; Poster session (FP 1-25 + Posters 1-21)</b>
<b>11:30h-12:20h</b>	<b>PL-3 Karsten Meyer</b> <b>“Super-Oxidized” Iron Nitrido &amp; “Super-Reduced” Iron Nitrosyl Complexes in tris-Carbene Coordination Spheres – and How Iron Really Feels About it</b>
<b>12:20h-13:20h</b>	<b>Oral Communications 6-7 and Flash Presentations 16-21</b>
<b>FP-16</b>	Reduced Graphene Oxides as Carbocatalysts in Acceptorless Dehydrogenation of <i>N</i> -Heterocycles reaction <u>A. Mollar-Cuni</u>
<b>FP-17</b>	Construction of NH-Unprotected Spiropyrrolidines and Spiroisindolines by [4+1] Cyclizations of $\gamma$ -Azidoboronic Acids with Cyclic <i>N</i> -Sulfonylhydrazones <u>L. López</u>
<b>FP-18</b>	Origin of the Regio- and Enantio-Selective Pd-Catalyzed Allylic Amination: Experimental Evidence for an Inner-Sphere Mechanism <u>A. García-Roca</u>
<b>OC-6</b>	Hydrogenation and Isomerization Reactions mediated by a Gernyl-Rhodium system <u>C. A. Theulier</u>
<b>FP-19</b>	Understanding the Catalysis by Bis-Selenonium Cations as Bidentate Chalcogen Bond Donors <u>S. Portela</u>
<b>FP-20</b>	Stereoselective Access to Biheterocycles with Indole and

	Dihydropyridinones or $\alpha$ -Methylene- $\gamma$ -Butyrolactam Scaffolds by Means of Indium-Mediated Allylations <u>E. Blanco-López</u>
FP-21	Copper-Catalyzed Asymmetric Allylboration of Alkynes with Allylic gem-Dichlorides <u>A. Chaves Pouso</u>
OC-7	Copper Catalyzed Dearomatization of N-Heteroaromatics <u>M. Castiñeira Reis</u>
13:30h-16:00h	Lunch
16:00h-16:50h	PL-4 Elena Fernández ( <i>Rafael Usón Lecture</i> ) Reactivity of $\alpha$ -Boryl Carbanionic Species
16:50h-17:25h	Oral Communication 8 and Flash presentations 22-25
FP-22	Tuning the Cytotoxicity of <i>bis</i> -Phosphino-Amines Ruthenium(II) <i>para</i> -Cymene Complexes for Clinical Development in Breast Cancer <u>E. Domínguez-Jurado</u>
FP-23	Phosphorescent Ir(III) Complexes Derived From Purine Nucleobases <u>C. Lorenzo-Aparicio</u>
OC-8	Prospects of Cyclometalated Ir(III) Complexes in Cancer Therapy <u>V. Fernández-Moreira</u>
FP-24	Ir-Catalyzed Asymmetric Synthesis of Axially Chiral Alkenes by Atroposelective Hydroarylation <u>P. Vázquez-Domínguez</u>
FP-25	Silyl Formates for the Transfer Hydrosilylation of Ketones <u>R. Martín Romero</u>
17:25h-18:25h	Coffee Break and Poster session (FP 1-25 + Posters 1-21)
18:30h-19:20h	PL-5 Simon Aldridge Making and Breaking Bonds with Electron-Rich Main Group Compounds
19:30-20:30 h	Meeting ORFEO-CINQA Committee

## Friday, June 17<sup>th</sup>

9:00h-9:50h	PL-6 Sarah Reisman ( <i>Lilly Lecture</i> ) Enantioselective Ni-Catalyzed Cross-Electrophile Coupling
9:50h-10:50h	Oral Communication 9 and Flash presentations 26-34
FP-26	Modulating CO <sub>2</sub> Activation through Cooperative Iron-Lewis Acid Systems <u>H. Corona</u>
FP-27	Alkynyl Ligands as Building Blocks for new Phosphorescent Iridium(III) Emitters <u>M. Benítez</u>
FP-28	Synthesis of Polyconjugated Bicolor Fluorophores by Palladium-Catalyzed Cross-Coupling Reactions

	<u>B. Aparicio</u>
<b>FP-29</b>	Synthesis, Reactivity and Catalytic Applications of Novel Heteroscorpionate Calcium Complexes <u>E. Francés-Poveda</u>
<b>OC-9</b>	Hydrogen Evolution and Water Oxidation through Molecular Catalysis: Mechanisms and Devices <u>C. Gimbert-Suriñach</u>
<b>FP-30</b>	Functionalization of Unsaturated Organic Molecules Promoted by Polyhydride Complexes <u>S. Paz</u>
<b>FP-31</b>	Divergent Reactivity of an Ir(III) Complex Towards Carbon Nucleophiles: a Non-Innocent Cp* <u>A. Pita-Milleiro</u>
<b>FP-32</b>	Boron-Derived Luminescent Compounds with Amidine Ligands <u>B. Parra-Cadenas</u>
<b>FP-33</b>	Photocatalytic Synthesis of Thioamides from Nitrile Compounds <u>J. Cucurull-Pastor</u>
<b>FP-34</b>	Cr-Mediated Homogeneous CO <sub>2</sub> Reduction Electrocatalysis <u>J. J. Moreno</u>
<b>10:50h-11:30h</b>	<b>Coffee Break and Poster session</b> (FP 26-46 + Posters 22-46)
<b>11:30h-12:20h</b>	<b>PL-7 Bill Morandi (EUJIC Lecture)</b> <b>Recent Developments in Shuttle Catalysis</b>
<b>12:20h-13:20h</b>	<b>Oral Communications 10-11 and Flash presentations 35-40</b>
<b>FP-35</b>	Synthesis and Photophysical Properties of Pseudo-Tris(heteroleptic) Phosphorescent Ir(III) complexes <u>L. Benavent</u>
<b>FP-36</b>	Fixation of Carbon Dioxide into Cyclic Carbonates by Iron Complexes <u>M. del Prado</u>
<b>FP-37</b>	Iridium and Rhodium(I) Complexes Based on NHC-NDI Ligands with Redox-Switchable Catalytic Applications <u>C. L. Gutiérrez-Peña</u>
<b>OC-10</b>	A Binuclear Cobalt Complex for Molecular Co <sub>2</sub> Electrocatalytic Reduction <u>O. Rivada-Wheellaghan</u>
<b>FP-38</b>	Synthesis and Reactivity of New Osmium Derivatives Containing Os-S Bonds <u>N. R. Picazo</u>
<b>FP-39</b>	Nickel-Catalyzed C(sp <sup>3</sup> )-C(sp <sup>3</sup> ) Reductive Cross-Electrophile Coupling for the Synthesis of Dihydro Stilbenes Derivatives <u>L. Blanco</u>
<b>FP-40</b>	Ammonia Borane Dehydrogenation Catalysed by Iridium Complexes with Lutidine-Derived CNN(H) Pincer Ligands <u>I. Ortega-Lepe</u>
<b>OC-11</b>	Mechanistic Studies on Ru and Fe Carbene-Supported Complexes for CO <sub>2</sub> Electroreduction <u>S. Gonell</u>
<b>13:30h-16:00h</b>	<b>Lunch</b>

<b>16:00h-17:30h</b>	<b>Oral Communications 12-15 and Flash presentations 41-46</b>
<b>OC-12</b>	C-H Functionalization: A way to Access Challenging Amino Acids and Peptides <u>N. Rodríguez</u>
<b>FP-41</b>	Preparation of 4-Arylthiazol-2(3H)-ones and Nultidentate 5,5'-Methylenebis[4-arylthiazol-2(3H)-one] Ligands <u>J. F. Ortuño</u>
<b>FP-42</b>	<b>Kinetic Resolution of Allylamine Derivatives via Pd-Catalyzed C-H Functionalization with Allenes: Asymmetric Assembly of Tetrahydropyridine Scaffolds</b> <u>J. M. González</u>
<b>OC-13</b>	Alkyne Functionalization Catalyzed by Osmium Complexes <u>J. C. Babón</u>
<b>FP-43</b>	Catalytic Asymmetric synthesis of Axially Chiral Pyrroles by 1,3-Dipolar Cycloaddition Aromatization Sequence <u>I. Mac Lean</u>
<b>FP-44</b>	Tricyclic 2-Benzazepines by Palladium-Catalyzed [5+2] Rollover Annulation of 1-Benzylpyrazoles with Alkynes <u>A. Suárez-Lustres</u>
<b>OC-14</b>	Manganese Catalyzed Hydrophosphination of Michael Acceptors <u>R. Postolache</u>
<b>FP-45</b>	Gold-Catalyzed Reaction Between "Push-Pull" Enynes and Ynamides: Synthesis of Tetrasubstituted Anilines <u>S. Sánchez-Alonso</u>
<b>FP-46</b>	Enantioselective Synthesis of Densely Substituted Spirocyclic Compounds <u>R. Hidalgo-Léon</u>
<b>OC-15</b>	Atroposelective Allylation of Heterobiaryl Aldehydes via Dynamic Kinetic Resolution <u>J. A. Carmona</u>
<b>17:30h-18:30h</b>	<b>Coffee Break and Poster session (FP 26-46 + Posters 22-46)</b>
<b>18:30h-19:20h</b>	<b>PL-8 Matthew S. Sigman Development of Data Science Tools for Catalyst Development</b>
<b>19:20h-20:00h</b>	<b>Closing remarks</b>
<b>21:30h</b>	<b>School dinner</b>