

## Scientific Program

	Wednesday 7 <sup>th</sup>	Thursday 8 <sup>th</sup>		Friday 9 <sup>th</sup>		
9:00-10:00		<i>Chair: A. C. Albéniz</i> PL2 <b>Syuzanna R. Harutyunyan</b>		<i>Chair: E. Fernández</i> PL4 <b>M. Concepción Gimeno</b>		
10:00-10:30		INV3 <b>M. Carmen Nicasio</b>		INV7 <b>José A. Mata</b>		
10:35-10:50		<i>Chair: A. C. Albéniz</i> OC1 D. Tarr	<i>Chair: M. Monge</i> OC2 A. Vivancos	<i>Chair: E. Fernández</i> OC19 C. Gonzalo-Navarro	<i>Chair: M. Diéguez</i> OC20 A. Garcés	
10:50-11:05		OC3 D. Cabo	OC4 J. C. Lima	OC21 S. Álvarez	OC22 L. M. Martínez-Prieto	
11:05-11:35		COFFEE BREAK				
11:35-12:05		<i>Chair: C. Claver</i> INV4 <b>Montserrat Gómez</b>		<i>Chair: A. Lledós</i> INV8 <b>Antonio J. Martínez-Martínez</b>		
12:05-12:35	Registration	INV5 <b>Miguel Monge</b>		INV9 <b>Xavi Ribas</b>		
12:40-12:55		<i>Chair: C. Claver</i> OC5 O. Pàmies	<i>Chair: P. González</i> OC6 D. Dalmau	<i>Chair: A. Lledós</i> OC23 H. Videa	<i>Chair: J. C. Lima</i> OC24 B. Parra-Cadenas	
12:55-13:10		OC7 J. Sanz-Garrido	OC8 A. Lázaro	OC25 A. Romero-Navarro	OC26 A. Polo	
13:10-13:25		OC9 J. A. Casares	OC10 E. García-España	OC27 J. Nadal-Moradell	OC28 V. Fernández-Moreira	
13:25-13:40		Flash 1-3 J. Eusamio M. Iglesias T. G. Santiago	Flash 4-6 A. de Aquino I. Martín-Torres M. Diéguez	OC29 M. Navarro	OC30 A. Petronilho	
13:40-16:00		LUNCH + Poster Session A (odd)		LUNCH + Poster Session B (even)		
15:30-16:00		Reaxys Workshop				
16:00-16:30		Opening ceremony	<i>Chair: M. Gómez</i> PL3 <b>Eric Meggers</b>		<i>Chair: M. C. Nicasio</i> PL5 <b>Kay Severin</b>	
16:30-17:00		<i>Chair: L. Rodríguez</i> PL1 <b>Pedro J. Pérez</b>	INV6 <b>Aleix Comas-Vives</b>		INV10 <b>Jesús Campos</b>	
17:00-17:30		INV1 <b>Pablo González-Herrero</b>	COFFEE BREAK		<i>Chair: M. C. Nicasio</i> OC31 J. Gil-Rubio	<i>Chair: J. Mata</i> OC32 J. Martínez
17:45-18:00			OC33 D. Blasco	OC34 N. Nebra		
18:00-18:15	INV2 <b>Ernesto de Jesús</b>	<i>Chair: J. Pérez-Torrente</i> OC11 S. Gonell	<i>Chair: G. Aullón</i> OC12 J. Jover	Closing Ceremony & Awards		
18:15-18:30		OC13 A. Pérez-Jimeno	OC14 M. Garçon			
18:30-18:45		OC15 B. Martín-Vaca	OC16 A. Romerosa	GEQO Group Meeting		
18:45-19:00		OC17 M. Poyatos	OC18 G. Ujaque			
19:30						
21:00	Welcome reception			Conference Dinner		

Wednesday, September 7<sup>th</sup>

12:00-16:00	<b>Registration</b>	
16:00-16:30	<b>Opening ceremony (BARCELONA ROOM)</b>	
<i>Chair: L. Rodríguez (BARCELONA ROOM)</i>		
16:30-17:30	PL1	<b>Pedro J. Pérez.</b> <i>An Organometallic View of Catalytic Processes Involving Hydrocarbon Functionalization</i>
17:30-18:00	INV1	<b>Pablo González-Herrero.</b> <i>Light-Induced Reactions of Cyclometalated Pt(II) and Pt(IV) Complexes</i>
18:00-18:30	INV2	<b>Ernesto de Jesús.</b> <i>Exploring the Chemistry of Palladium(I) Stable Radicals</i>
19:30	<b>WELCOME RECEPTION (Gardens of the Historic Building of UB)</b>	

Thursday, September 8<sup>th</sup>

<i>Chair: A. C. Albéniz (BARCELONA ROOM)</i>		
9:00-10:00	PL2	<b>Syuzanna R. Harutyunyan.</b> <i>Manganese(I)- and Copper(I)-Catalysed Transformations: Development, Mechanisms and Applications</i>
10:00-10:30	INV3	<b>M. Carmen Nicasio.</b> <i>Low-Coordinate Ni(0) Complexes and Applications in Catalytic C-C bond formation</i>
<i>Chair: A. C. Albéniz (BARCELONA ROOM)</i>		
10:35-10:50	OC1	<b>Daniel Tarr.</b> <i>Filling the gaps in the challenging asymmetric hydrogenation of alkenes with new Ir-P,N catalysts</i>
10:50-11:05	OC3	<b>Diego A. Cabo.</b> <i>Heck Reaction: Catalytic Precursors of Nickel(0), (I) and (II) Stabilized with Imino-Phosphine Hybrid Ligands</i>
<i>Chair: M. Monge (CIUTADELLA ROOM)</i>		
10:35-10:50	OC2	<b>Ángela Vivancos.</b> <i>Luminescent Pt(II) Complexes with a N<sup>^</sup>C<sup>^</sup>C Ligand: Effects of Ancillary Ligands and Aggregation</i>
10:50-11:05	OC4	<b>João Carlos Lima.</b> <i>Supramolecular gold(I) aggregates: the effect on photophysics</i>
11:05-11:35	<b>COFFEE BREAK (DIAMANTE ROOM)</b>	
<i>Chair: C. Claver (BARCELONA ROOM)</i>		
11:35-12:05	INV4	<b>Montserrat Gómez.</b> <i>Metal-based nanoparticles immobilized on unusual phases: a catalytic survey</i>
12:05-12:35	INV5	<b>Miguel Monge.</b> <i>Exploiting the reactivity of organometallic complexes towards the tailored design of plasmonic hybrid nanostructures</i>
<i>Chair: C. Claver (BARCELONA ROOM)</i>		
12:40-12:55	OC5	<b>Oscar Pàmies.</b> <i>Metal-allyl Chemistry for the Preparation of Chiral Complex Cyclic Molecules</i>
12:55-13:10	OC7	<b>Jorge Sanz-Garrido.</b> <i>Nickel complexes with Chiral N-Heterocyclic Carbene: Synthesis and Catalysis</i>
13:10-13:25	OC9	<b>Juan A. Casares.</b> <i>On the Study of the Transmetalation Reaction between [Cu(bipy)(C<sub>6</sub>F<sub>5</sub>)] and [Fe(Cp)(CO)<sub>2</sub>]</i>

## XL GEQO Barcelona, 7<sup>th</sup> - 9<sup>th</sup> September 2022

13:25-13:40	FL1	<b>Javier Eusamio.</b> <i>Synthesis and Coordination of P-Stereogenic Non-Symmetric Diphosphanes with a Methylene Bridge</i>
	FL2	<b>Manuel Iglesias.</b> <i>Catalyst Design and Reaction Mechanisms in Formic Acid Dehydrogenation</i>
	FL3	<b>Tomás G. Santiago.</b> <i>New Perspective in the Ni-Catalyzed Heck Reaction: The Role of Deprotonable P-N Ligands to Assist the <math>\beta</math>-Hydride Elimination Stage</i>

*Chair: P. González (CIUTADELLA ROOM)*

12:40-12:55	OC6	<b>David Dalmau.</b> <i>Highly Fluorescent Ortopalladated GFP/Kaede-Chromophore Analogues: Synthesis of Organometallic 4-Aryliden-5(4H)-Oxazolones</i>
12:55-13:10	OC8	<b>Ariadna Lázaro.</b> <i>Cyclometallated Pt(II)/Ag(I) Luminescent Compounds for the Fabrication of Optical Devices</i>
13:10-13:25	OC10	<b>Enrique García-España.</b> <i>Oxygen Defence Enzymes: from Aza-Macrocyclic Complexes to Nano-Structured Mimetic Systems</i>
13:25-13:40	FL4	<b>Araceli de Aquino.</b> <i>In-depth photophysical characterization of dinuclear gold(I) complexes</i>
	FL5	<b>Inmaculada Martín-Torres.</b> <i>Gold(I)-Catalyzed Diene-yne Cyclization for the Assembly of Decalin Cores</i>
	FL6	<b>Montserrat Diéguez.</b> <i>Asymmetric Hydrogenation: From Benchmark to Elusive Substrates Through Rational Catalyst Design</i>

13:40-16:00	LUNCH + Poster Session A (odd)	
15:30-16:00	Reaxys Workshop (CIUTADELLA ROOM)	

*Chair: M. Gómez (BARCELONA ROOM)*

16:00-17:00	PL3	<b>Eric Meggers.</b> <i>Steering Asymmetric Catalysis with Metal-Centered Stereogenicity</i>
17:00-17:30	INV6	<b>Aleix Comas-Vives.</b> <i>Si-Si Hydrogenolysis and C-C Coupling Rationalized by Theory</i>
17:30-18:00	COFFEE BREAK (DIAMANTE ROOM)	

*Chair: J. Pérez-Torrente (BARCELONA ROOM)*

18:00-18:15	OC11	<b>Sergio Gonell.</b> <i>Structure-Function Studies on Fe NHC-based Electrocatalysts for CO<sub>2</sub> Reduction</i>
18:15-18:30	OC13	<b>Alba H. Pérez-Jimeno.</b> <i>On the Nature of Gold(I) Vinylidenes</i>
18:30-18:45	OC15	<b>Blanca Martín-Vaca.</b> <i>Development of a new Non-Innocent platform for Metal-Ligand Cooperative catalysis with group 10 metals</i>
18:45-19:00	OC17	<b>Macarena Poyatos.</b> <i>Redox-Switchable Catalysis with Naphthalenediimide-derived NHC Complexes</i>

Chair: G. Aullón (CIUTADELLA ROOM)

18:00-18:15	OC12	<b>Jesús Jover.</b> <i>DFT and machine learning techniques towards the study of copper-catalyzed Suzuki-Miyaura reactions</i>
18:15-18:30	OC14	<b>Martí Garçon.</b> <i>Hexagonal Planar Complexes: Coordination Chemistry and Reactivity Studies</i>
18:30-18:45	OC16	<b>Antonio Romerosa.</b> <i>Neutron Scattering: a valuable technique to study metal-mediated processes in water</i>
18:45-19:00	OC18	<b>Gregori Ujaque.</b> <i>Modelling Host-Guest Catalysis by Metallocages</i>

### Friday, September 9<sup>th</sup>

Chair: E. Fernández (BARCELONA ROOM)

9:00-10:00	PL4	<b>M. Concepción Gimeno.</b> <i>Modulation of the Properties of Gold Complexes through Ligand Design</i>
10:00-10:30	INV7	<b>José A. Mata.</b> <i>Metal Catalysed Transformations at the Surface of Graphene Materials</i>

Chair: E. Fernández (BARCELONA ROOM)

10:35-10:50	OC19	<b>Carlos Gonzalo-Navarro.</b> <i>The Lord of the Rings. An Extra Ring on a C<sup>^</sup>N Ligand in Half-sandwich Ir Complexes Changes Dramatically the Orbital Composition and the Photophysical and Biological Properties</i>
10:50-11:05	OC21	<b>Santiago Álvarez.</b> <i>Quadruple Mo≡Mo bonds confronted to s and p block metals</i>

Chair: M. Diéguez (CIUTADELLA ROOM)

10:35-10:50	OC20	<b>Andrés Garcés.</b> <i>Cooperative sustainable catalysis by scorpionate heterobimetallic Al-Mg complexes</i>
10:50-11:05	OC22	<b>Luis Miguel Martínez-Prieto.</b> <i>Organometallic Tools Applied to Metal Nanoparticle Synthesis and Catalysis</i>
11:05-11:35	COFFEE BREAK (DIAMANTE ROOM)	

Chair: A. Lledós (BARCELONA ROOM)

11:35-12:05	INV8	<b>Antonio J. Martínez-Martínez.</b> <i>Bimetallic chemistry featuring low-valent group 13 metals</i>
12:05-12:35	INV9	<b>Xavi Ribas.</b> <i>Tetragonal Prismatic Nanocapsules as Supramolecular Masks for Regioselective Functionalization of Fullerenes</i>

Chair: A. Lledós (BARCELONA ROOM)

12:40-12:55	OC23	<b>Hellen Videá.</b> <i>Facile H<sub>2</sub> Activation by Bimetallic Caesium Alumanyl Anions</i>
12:55-13:10	OC25	<b>Andrés Romero-Navarro.</b> <i>Valorisation of Mixtures of Linear Alkenes Using Cobalt-Mediated Isomerisation and Hydroformylation Chemistries</i>
13:10-13:25	OC27	<b>Joel Nadal-Moradell.</b> <i>A Versatile and Commercially Available Iron Catalyst Active in Carbene Transfer Reactions</i>
13:25-13:40	OC29	<b>Miquel Navarro.</b> <i>Dicoordinate Au(I)-Ethylene Complexes as Hydroamination Catalysts</i>

## XL GEQO Barcelona, 7<sup>th</sup> - 9<sup>th</sup> September 2022

*Chair: J.C. Lima (CIUTADELLA ROOM)*

12:40-12:55	OC24	<b>Blanca Parra-Cadenas.</b> <i>Organolithium Chemistry under Air and with Sustainable Solvents: Synthesis of Guanidines and Amidines</i>
12:55-13:10	OC26	<b>Álvaro Polo.</b> <i>Purine-Based NHC Bridging and Terminal Ligands: Polymetallic Clusters and Molecular Wires</i>
13:10-13:25	OC28	<b>Vanesa Fernández-Moreira.</b> <i>Different Approaches of Cyclometalated Ir(III) Complexes in Cancer Therapy</i>
13:25-13:40	OC30	<b>Ana Petronilho.</b> <i>N-Heterocyclic Carbenes Based on Uracil: Synthesis and Applications</i>
13:40-16:00	LUNCH + Poster Session B (even)	

*Chair: M.C. Nicasio (BARCELONA ROOM)*

16:00-17:00	PL5	<b>Kay Severin.</b> <i>Synthetic Chemistry with Laughing Gas</i>
17:00-17:30	INV10	<b>Jesús Campos.</b> <i>Bimetallic Frustrated Lewis Pairs and Related Systems</i>

*Chair: M.C. Nicasio (BARCELONA ROOM)*

17:35-17:50	OC31	<b>Juan Gil-Rubio.</b> <i>Unusual Reductive Eliminations in Gold(III) Complexes Leading to Formation of Methyl-X bonds (X = Halogen, O, N, P, C)</i>
17:50-18:05	OC33	<b>Daniel Blasco.</b> <i>Gold(I)...Lanthanide(III) Bonds in Molecular Heterobimetallic Compounds: A Combined Computational and Topological Study</i>

*Chair: J. Mata (CIUTADELLA ROOM)*

17:35-17:50	OC32	<b>Joaquín Martínez Sal.</b> <i>Iridium catalysts based on N-functionalized NHC ligands for dehydrogenation processes</i>
17:50-18:05	OC34	<b>Noel Nebra.</b> <i>Aromatic Trifluoromethylation Through Ag(I)/Ag(III) Redox Manifold</i>
18:10-18:30	<b>Closing Ceremony &amp; Awards (BARCELONA ROOM)</b>	
18:30-19:00	<b>GEQO Group Meeting</b>	
21:00	CONFERENCE DINNER (Restaurant Mirabé)	

POSTERS (DIAMANTE ROOM)

- P01 **Marta Real.** *Three Component One Pot Synthesis of Endo Cyclopalladated Imines*
- P02 **Joan Albert.** *Synthesis and Biological Properties of Palladium(II) Cyclometallated compounds derived from (E)-2-((4-hydroxybenzylidene)amino)phenol*
- P03 **Esteban P. Urriolabeitia.** *Orthometallation of Unsaturated Oxazolones: Beyond Palladium*
- P04 **Ane I. Aranburu.** *Iridium Based Cation Sensor*
- P05 **Gregorio Guisado-Barrios.** *Visible-Light-Promoted Aceptorless Dehydrogenation of N-heterocycles Catalyzed by a Standalone Iridium(III) Metal Complex*
- P06 **Unai Prieto.** *Selective Synthesis of Hydrosilanols and Hydrosiloxanes Catalyzed by di-Silyl Rhodium and Iridium Complexes*
- P07 **Ariadna Pazos.** *Enantiopure Iridium(III) Helicene Complexes*
- P08 **Joaquín García-Álvarez.** *Hybrid One-pot Tandem Transformation of Ketoximes into Tertiary Alcohols by Combination of Enzymes and RLi/RMgX Reagents in Water at Room Temperature*
- P09 **Jonathan Martínez-Laguna.** *Functionalization of non-activated C–H bonds by carbene transfer reactions catalysed by gold nanoparticles*
- P10 **Pedro J. Pérez.** *A Novel Catalytic Route to Selective Nitrene Transfer to Enynes*
- P11 **Francisco Montilla.** *Chirality Influence on Antitumoral Activity of Anionic Bis(N-Heterocyclic Carbene) Silver Complexes*
- P12 **María Trinidad Martín.** *Catalytic Reactions of P<sub>2</sub>Ni(0) Compounds with Alkynes*
- P13 **Guillermo Romo-Islas.** *A new series of Pt(II) complexes bearing N<sup>3</sup> ligands and fluorinated pyridines. Luminescent properties and <sup>1</sup>O<sub>2</sub> production*
- P14 **Juan Carlos López-López.** *Photoinduced C-O Reductive Couplings from Bis-cyclometalated Bis(carboxylato) Pt(IV) Complexes*
- P15 **Laia Navarro.** *Computational Study of [Cr(indenyl)<sub>2</sub>] Spin-Crossover Behaviour*
- P16 **Jorge Pérez-Ruiz.** *Study of the Catalytic Activity of (NHC)MCl (M= Cu, Ag, Au) Complexes for the Nitrene Transfer Reaction to Olefins*
- P17 **Sonia Bajo.** *Mechanistic Investigations on Hydrogenation, Isomerization and Hydrosilylation Reactions Mediated by a Germyl-Rhodium System*
- P18 **Andrea Monti.** *Pd(II) Precatalyst for Efficient C-N Cross-Coupling of Aryl-Sulfamates with N-Nucleophiles*
- P19 **Dionisio Poveda.** *Synthesis and Luminescence of Pt(II) Complexes with a Terdentate C<sup>2</sup>C<sup>1</sup>N Ligand*
- P20 **Marta Martín.** *Labile Light-harvesting Ir(III) Complexes*
- P21 **Elena Borrego.** *Copper-Catalyzed Olefin Aziridination in Water with an Iminoidonane*
- P22 **J. M. Delgado-Collado.** *Neutral and Cationic Zinc(II) Alkoxides supported by Non-Innocent BIP Ligands. Synthesis, Structure and ε-Caprolactone Polymerization Catalysis*
- P23 **Eduardo Sola.** *From 2-Butyne to Diene and [3]Dendralene Motifs at Triflate Ir(PSiP) Pincers*
- P24 **Antonio Pizzano.** *Application and mechanism of the asymmetric hydrogenation of imines with Ru catalysts based on phosphine-phosphite ligands*
- P25 **Elena Álvarez-Ruiz.** *Ligand-Centered Redox Processes and Structural Diversity of Orthophenylendiamido Tantalum Compounds*

- P26 **Juan Carlos Pérez-Sánchez.** *Synthesis of Ferrocene Based Catalytic Structures and Study of its Properties*
- P27 **Roberto Berbés.** *Synthesis of NHC-Gold Complexes Featuring a Carbazole Fragment*
- P28 **Martina Casciotti.** *Catalytic and Photophysical properties of Gold(I) Complexes bearing the DPPMPY Ligand*
- P29 **Elena Cerrada.** *Therapeutic applications of Dithiocarbamate Gold(I) complexes derived from Sulfonamides on Colon Cancer cells*
- P30 **José M. López-de-Luzuriaga.** *Strategies for obtaining Thermally Activated Delayed Fluorescence in Gold(I) complexes*
- P31 **M<sup>a</sup> Elena Olmos.** *Influence of Solvent Amount on the Metallophilic Interactions*
- P32 **María Rodríguez-Castillo.** *Organometallic approach to Au/Ag-2D semiconductor nanostructures and study of their photothermal and photocatalytic properties*
- P33 **Laura Ibáñez-Ibáñez.** *Ruthenium catalysts to produce Hydrogen On-Demand using the pair silane/alcohol*
- P34 **Laura Coconubo Guio.** *Synthesis and characterization of Gold(I) complexes of 2-(diphenylphosphino)aniline*
- P35 **Ignacio Izquierdo.** *Constructing coordination supramolecular cages using bis- and tris-catecholate 1,2,3-triazole linkers*
- P36 **Alba Sorroche.** *Thermally or light-induced hydration of alkynes using few atom gold subnanoclusters as catalysts*
- P37 **Marina Ramos-Martín.** *Fe-Based Deep Eutectic Solvents (DESs) for hydration of alkynes in bench-type reaction conditions*
- P38 **Inés Soldevila.** *Structure-photoluminescence relationship in perhalophenyl-gold(I)-diphosphine complexes. TADF and Phosphorescent behaviour*
- P39 **Juan Diego Pizarro.** *Functionalization of N-Heterocycles with ADAP-Cu(I) Complexes*
- P40 **Manuel R. Rodríguez.** *Synthesis, Characterization and Nitrene Generation from Copper and Silver Complexes Bearing Phosphinoazide Ligands*
- P41 **Montserrat Ferrer.** *Anionic isocyanido iron(II) metallaligands containing azo units*
- P42 **Adrián Calvo-Molina.** *Low-Valent Monocyclopentadienyl Titanium Complexes for the Activation of Dinitrogen*
- P43 **Rubén García-Soriano.** *Quinoline functionalized formamidinato-heavier tetrylenes: Synthesis and first reactivity studies*
- P44 **Ana C. Albéniz.** *Benzylic Palladium Complexes: Efficient Catalysts for the Synthesis of Vinylic Addition Poly(norbornene-co-alkenylnorbornenes)*
- P45 **Aitor Sola.** *C-H bond FLUORINATION catalysed by Tp<sup>x</sup> Cu<sup>I</sup>L complexes*
- P46 **Samuel del Toro.** *New Molecular Architectures with Metal-Metal donor-acceptor type bonds*
- P47 **Blanca R. Manzano.** *Luminescent Cyclometallated Platinum Compounds with N-, P- and O<sup>^</sup>O-ligands. DFT Studies and Analysis of the Anticancer Potential*
- P48 **Pablo J. Serrano-Laguna.** *Coordination chemistry of Bismuth with flexible bis(benzimidazole)amino ligands*
- P49 **Gema Durá.** *Pt(II) complexes with terpyridine ligands: effect of  $\pi$ -stacking and interaction with G quadruplex*

- P50 **Judith Medina.** *Supported Nickel Nanoparticles on the Surface of Graphene: Synthesis and Applications*
- P51 **Irati Barriendos.** *Study of the Emissive Properties of Copper(I) Heteroleptic Complexes*
- P52 **Miriam Abán.** *N-pyridyl-1,2,3-triazole Iridium Derivatives as Precursors for Formic Acid Dehydrogenation*
- P53 **Katherine Ariz.** *Synthesis and characterization of new chiral ferrocenylphosphanes*
- P54 **Janeth Navarro.** *Inner vs Outer Sphere Olefin Hydroxylations Promoted by Iridium Complexes*
- P55 **Inmaculada Angurell.** *Study of the Luminescent properties of Au(I) phosphine complexes*
- P56 **Aliah El Astal-Quirós.** *Reducing small molecules on a Pd(I) Bis N-heterocyclic carbene complex*
- P57 **César Ruiz-Zambrana.** *Redox-Switchable Gold(I) Catalyst: A Convenient Way for Studying Ligand-Derived Electronics Effects*
- P58 **Estefanía Delgado-Pinar.** *Metal Complexes of Small Molecules. Mimicking Antioxidant Enzymes*
- P59 **Cristian L. Gutiérrez-Peña.** *Iridium(I) and Rhodium(I) complexes based on NDI-NHC ligands with redox-switchable catalytic applications*
- P60 **Susana Ibáñez.** *Clippane: A Mechanically Interlocked Molecule (MIM) Based on Molecular Tweezers*
- P61 **Marcos Rúa-Sueiro.** *Coordination study of diphosphine dppm with platinum cyclometallated thiosemicarbazones*
- P62 **Francisco Reigosa.** *Synthesis of double [C, N; N, C] Schiff base palladacycles functionalized with crown ethers*
- P63 **Basma Al Janabi.** *Cyclopalladated compounds derived from imine ligands: Synthesis, characterization, and catalytic activity for the Suzuki-Miyaura cross-coupling*
- P64 **Concepción López.** *To have and have not: The importance of the  $-CH_2-$  unit on the properties of Ru-aminoalcohol complexes*
- P65 **Eduard Balaguer-Garcia.** *Radical Alkylation Reactions with Metal Enolates*
- P66 **Gustavo Espino.** *Rational Design of Mitochondria Targeted Thiabendazole-based Ir(III) Biscyclometalated Complexes for a Multimodal Photodynamic Therapy of Cancer*
- P67 **Sebastián Martínez.** *Design and Synthesis of bis-pincer-NHC Precursors based on the Naphtalenediimide Core*
- P68 **Andrés Mollar-Cuni.** *N-Heterocycles as Liquid Organic Hydrogen Carriers (LOHCs)*