

GEQO 2026

XLIV Meeting of the Grupo Especializado de Química Organometálica (GEQO)



July 8th to 10th, 2026

Logroño, La Rioja

<https://geqo.unirioja.es>

2026
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Logroño

8th-10th / July

PLENARY SPEAKERS

MARK CRIMMIN, Imperial College London

ROBERT GUILLIARD, Massachusetts Institut of Technology

STEVE GOLDUP, University of Birmingham

AGUSTÍ LLEDÓS, Universidad de Huelva

CLAUDIA TURRO, Ohio State University

INVITED SPEAKERS

JAVIER CARRERAS, Universidad de Alcalá

GEMA DURÁ, Universidad de Castilla-La Mancha

ZORAIDA FREIXA, Universidad del País Vasco-Euskal Herriko Unibertsitatea

IGNACIO FUNES-ARDOIZ, Universidad de La Rioja

PABLO GARCÍA-ÁLVAREZ, Universidad de Oviedo

FRANCISCO JULIÁ-HERNÁNDEZ, Universidad de Murcia

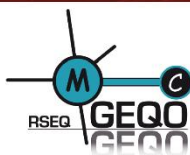
M. CARMEN NICASIO, Universidad de Sevilla. *Premio Excelencia Investigadora del GEQO 2026*

AINARA NOVA, University of Oslo

MÓNICA PÉREZ-TEMPRANO, Institut Català d'Investigació Química

LAURA RODRÍGUEZ, Universidad de Barcelona

Imagens Centro de Cultura del Rioja (CCR), Logroño



Wednesday, July 8th

11:00-15:30	Registration
15:30-16:00	Opening ceremony
16:00-16:15	GEQO 2026 awards ceremony

Chair: Ana C. Albéniz

16:15-16:45	INV1	M. Carmen Nicasio. <i>Exploring Pd-catalyzed Amination Mechanism and Low-coordinate Nickel Complexes in Alkyne Cycloadditions</i>
16:45-17:00	O1	Miquel Navarro. <i>P-Stereogenic Phosphines: from Hemilabile Ligands to Cooperative Systems</i>
17:00-17:30	INV2	Javier Carreras. <i>Shaping Three-Membered Carbocycles via Diazo Compounds and Metal-Carbene Intermediates</i>
17:30-18:15		Coffee Break and poster session (odd numbers)

Chair: Pedro J. Pérez

18:15-19:00	PL1	Agustí Lledós. <i>Computational Modelling of Organometallic Reactivity: The Model Matters</i>
19:00-19:20		José Torrijos. <i>Water Initiated Ring-Opening Polymerization of ϵ-Caprolactone Catalyzed by a Bismuth Aminotrisphenolate Complex</i>
	FLASH1	Marc Martínez de Sarasa Buchaca. <i>Calcium-Driven Catalysis for CO₂ Activation, Fixation, and Hydroboration Reduction</i>
		Marta Navarro. <i>Microstructural Control of L-Lactide/ϵ-Caprolactone Copolymers Using Amidinate-Based Aluminum Catalysts</i>
		Macarena G. Alférez. <i>Open-Shell Ir(II): A Platform for Unlocking New Catalysis</i>
20:00		Welcome reception (at the Centro de Cultura del Rioja - CCR)

Thursday, July 9th

Chair: M. Concepción Gimeno

9:00-9:45	PL2	Claudia Turro. <i>Heteroleptic Cyclometallated Co(III) Complexes as a New Class of Photosensitizers</i>
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Chair: Miquel Costas

9:45-10:15	INV3	Francisco Juliá-Hernández. <i>Earth-Abundant Metal Photocatalysis for Radical Decarboxylation</i>
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10:15-10:30	O2	Miguel A. Huertos. <i>Unsaturated Chiral-at-Metal Rhodium(III) Complexes bearing Achiral SiN-type Ligands</i>
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10:30-10:45	O3	Ángela Vivancos. <i>Linker-Controlled Aggregation and Dual Emission in Dinuclear Pt(II) Complexes with N⁺C⁻C Ligands</i>
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10:45-11:05	FLASH 2	<p>David Capellán. <i>A versatile, Readily Available and Bench Stable Iron Catalyst Active in Carbene Transfer Reactions</i></p> <p>Nereida Hidalgo. <i>C–H activation as a strategy for C–N bond formation from hydrocarbons and dinitrogen</i></p> <p>Eugenio Millán. <i>A Straightforward Entry to Alkylidene Benzocyclobutenes</i></p> <p>Sergio García-García. <i>Dehydrogenative coupling reactions catalysed by NHC-iminophosphorano iridium complexes</i></p>
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11:05-11:35	Coffee Break and poster session (odd numbers)	
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Chair: Marta E. G. Mosquera

11:35-12:05	INV4	Gema Durá. <i>Ligand π-Extension as a Design Principle in Photoactive Cyclometalated Iridium Chemistry</i>
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12:05-12:20	O4	Andrea Olmos. <i>Boosting Co-catalytic activity in cyclotrimerization reactions with cationic phosphine ligands</i>
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12:20-12:35	O5	Rowan M. Bailey. <i>Kinetic Analysis of a Cobalt Photocatalysed Carbonylation Reaction</i>
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Chair: Salvador Conejero

12:35-13:05	INV5	Pablo García-Álvarez. <i>Adventures on the Way to Air-Stable Heavier Tetrylenes and Their Complexes</i>
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13:05-13:20	O6	Marta Redrado. <i>Ferrocene–Gold Bimetallic Complexes as Redox-Active Anticancer Agents</i>
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13:20-13:35	O7	Patrick Gámez. <i>Pyrenylphosphane Piano-Stool Complexes: Tuning Metals to Kill Cancer Cells</i>
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13:35-13:55	FLASH 3	<p>Álvaro Martínez. <i>Synthesis and study of the reactivity against amines of a novel water soluble Allenyl-Ruthenium complex: Evaluation of the photocytotoxic activity of the resulting compounds against lung cancer cells</i></p>
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		Mario Sánchez-Migallón. <i>Naphthalene Diimide-Based Ru(II) Complexes for Photodynamic Therapy: Impact of Ligand Functionalization on Photophysical and Biological Properties</i>
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		<p>Marta Delgado-Gómez. <i>Unravelling the photochemical Mechanism of dipyrrophenazine iridium(III) complexes for Photodynamic Therapy</i></p> <p>Mikel Gabino-García. <i>Red-Light-Activated Ru(II) Intracellular Photocatalysis Perturbs Cancer Redox Homeostasis</i></p>
13:45-16:00		Lunch (CCR)
Chair: Eduardo Peris		
16:00-16:45	PL3	Stephen M. Goldup. <i>The synthesis, symmetry and applications of interlocked molecules</i>
16:45-17:15	INV6	Laura Rodríguez. <i>Supramolecular control of luminescence in Au(I) and Pt(II) complexes</i>
17:15-17:35	FLASH 4	<p>Oliver Baltar. <i>Molecular Design of Group 11 Solid-State TADF Emitters: Insights from Experimental and High-Level Computational Studies</i></p> <p>Mar Inés García. <i>Cyclometallated Pt(II) co-crystals: Photophysical Properties and Theoretical Understanding</i></p> <p>Samuel de Toro. <i>An Overview of Palladium(I) Radical Chemistry of [Pd(NHC)₂]⁺ Metalloradicals</i></p> <p>Laura Ibáñez-Ibáñez. <i>Visible-Light-Assisted Dehydrogenation of Benzylamines Catalysed by a Standalone Ruthenium Complex</i></p>
17:35-18:30		Coffee Break and poster session (even numbers)
18:30-19:45		GEQO Meeting
19:45-20:30		Guided wine tasting
20:30		Laurel Street

Friday, July 10th

Chair: Jesús Campos

9:00-9:45	PL4	Robert J. Gilliard. <i>Diazoboranes: Manipulation of Small-Molecules at Low-Valent Boron</i>
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Chair: Antonio J. Martínez-Martínez

9:45-10:15	INV7	Mónica Pérez-Temprano. <i>From Mechanism to Reactivity: Lessons from Cp*Co Catalysis</i>
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10:15-10:30	O8	Vanesa Fernández-Moreira. <i>Internal Light-Activated Cyclometalated Ir(III) Photosensitizers for PDT</i>
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10:30-10:45	O9	Jesús Jover. <i>DFT/DART-driven Optimization of Copper-mediated Suzuki-Miyaura Couplings</i>
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10:45-11:30 **Coffee Break and poster session (even numbers)**

Chair: Blanca R. Manzano

11:30-12:00	INV8	Ainara Nova. <i>Reaction Mechanisms for the Transformation of CO₂ and CH₄</i>
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12:00-12:15	O10	Montserrat Diéguez. <i>Towards the Industrialization-Amenable Continuous Production of Enantiopure Substances through the Rational Design of Immobilized Chiral Organometallic Catalysts for Continuous-Flow Processes</i>
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12:15-12:30	O11	Luis M. Martínez-Prieto. <i>Water-Soluble Betaine-Stabilized Metal Nanoparticles for Green Aqueous Catalysis</i>
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12:30-13:00	INV9	Ignacio Funes-Ardoiz. <i>Mechanistic Insights into Organoboron Chemistry from a Computational Perspective</i>
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13:00-13:15	O12	David Sánchez Roa. <i>Sodium Mediated C–H (Multi)Silylation of (Hetero)Arenes</i>
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13:15-13:30	O13	Orestes Rivada-Wheelaghan. <i>Solvent-controlled oxidation-state switching in a Cu_A-type dicopper complex. Implications in electrochemical oxygen reduction.</i>
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13:30-13:50	FLASH 5	Judit Cano-Asensio. <i>A fresh paradigm emerges with electrophilic hydrophosphanation</i>
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Mert Olgun Karatas. *Gem-Selective N-Alkenylation of Uracil Derivatives via Rh(I)–NHC Catalysis*

Ariadna Pazos. *Enantiopure [6]-Azairidahelicene by Dynamic Kinetic Resolution of a Configurationally Labile [4]-Helicene*

Jaime Martín. *A Triplet Aura-Nitrene*

14:00-16:00 **Lunch (CCR)**

Chair: Javier A. Cabeza

16:00-16:45	PL5	Mark R. Crimmin. <i>Molecular Editing of Aromatic Heterocycles with Organometallic Reagents</i>
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16:45-17:15	INV10	Zoraida Freixa. <i>Illuminating Organometallics: examples of light controlled photophysics, sensing, or circularly polarized emission.</i>
17:15-17:30	O14	Silvia Díez-González. <i>Copper(I) Complexes for User Friendly and Efficient Catalytic Applications</i>
17:30-17:45	O15	Daniel Joven Sancho. <i>Trifluoromethyl: A Versatile Tool for the Development of Fischer-Type Carbenes</i>
17:45-18:00	O16	Luis F. Sánchez-Barba. <i>Scorpionate-derived Al-Mg Heterobimetallics as Boosted Catalysts for the Cooperative Ring-Opening Polymerization of Lactides</i>
18:00-18:30		Closing Ceremony
20:30		Visit + Gala Dinner at Bodegas Franco-Españolas