



2nd Bilateral French-Spanish Meeting in Bioinorganic Chemistry

1st and 2nd October 2026

Hotel Exe Campus, UAB

Schedule

1st October 2026

Time	Code	Speaker / Title
09:00		Presentation
		1. Cancer Therapeutics & Anti-Cancer Agents (Metal-Based Drugs, Phototherapy & Targeting Strategies) Chair: Òscar Palacios
09:30	T1_1	María Concepción Gimeno: <i>Next-Generation Metal-Based Anticancer Agents: Organelle Targeting, Regulated Cell Death and Multitarget Strategies</i>
09:50	T1_2	Jose Ruiz: <i>Multifunctional Iridium complexes as novel photosensitizers for treating resistant tumors</i>
10:10	T1_3	Hélène Bertrand: <i>Tackling systemic side effects of platinum based anticancer chemotherapies: a multiscale approach</i>
10:30	T1_4	Vicente Marchán: <i>NIR-activated peptide-targeted Ru-COUBPY photosensitizers for precision phototherapy of cancer</i>
10:50	T1_5	Carlos Sánchez Cano: <i>Steps towards the in situ activation of anticancer drugs</i>
11:10	—	Coffee break
11:40	T1_6	Raphael De Paiva: <i>What Lies Beyond TXNRD1? Cyclometallated Gold Compounds Reveal Sec Selectivity in Glutathione Peroxidases</i>
12:00	T1_7	Òscar Palacios: <i>Metal-based compounds as potential anticancer drugs</i>
12:20	T1_E1	Ruben Pietro / Vincenzo Di Fiore: <i>Covalent Inhibition of the Cancer-Associated Redox Enzymes ALDH1A1 and PRDX6 by Ligand-Tuned Cyclometallated Au(III) Complexes</i>
		2. Medical Imaging, Magnetic Resonance Imaging (MRI) and Diagnosis Chair: Célia Bonnet
12:30	T2_1	Célia Bonnet: <i>Cation detection using responsive MRI contrast agents: from rational design to in vivo applications</i>
12:50	T2_2	Thibault Troadec: <i>Polyazamacrocyclic chelators: synthesis, coordination chemistry and applications in medical imaging, therapy and bioinspired catalysis</i>
13:10	—	Lunch
14:30	T2_E1	Willem Kauffeld: <i>Re(CO)-based silica-nanoparticles as a multimodal platform for biological applications</i>
14:40	T2_E2	Sofiia Kulish: <i>Development of contrast agents for selective Cu²⁺ detection via frequency-encoded ParaCEST/Parashift MRI</i>
		3. Nanomedicine and Molecular Design Chair: Patrick Gámez

Time	Code	Speaker / Title
14:50	T3_1	Patrick Gamez: <i>Coordination Chemistry and Nanoscience for Medicine: Recent Advances from the nanoBIC Group</i>
15:10	T3_2	Eva Royo: <i>Targeted metal-organic bioconjugates</i>
15:30	T3_3	Miguel A. Galindo Cuesta: <i>DNA Architectures for the Controlled Positioning of Metal Ions</i>
15:50	T3_4	Ana Isabel González Garnica: <i>METALLIC BIONANOPARTICLES GROUP (BIONANOMET)</i>
16:10	T3_5	Miguel Vázquez López: <i>Peptide helicates as versatile DNA three-way junctions binders</i>
		4. Environmental Bioinorganics, Ecotoxicology and Bioinspired Catalysis Chair: Christophe Léger
16:30	T4_1	Luisa Ronga: <i>Molecular insights into the role of selenoenzymes in the therapeutic and toxic activity of metals</i>
16:50	T4_2	Maria Rosa Beccia: <i>Metallic radionuclides at the interface of environmental systems and living organisms</i>
17:10	T4_3	Jalila Simaan: <i>LPMO-inspired functional copper complexes</i>
17:30	T4_E1	Feryanne Taroudjit: <i>Speciation and transfert mechanisms of actinides in marine phytoplankton</i>
17:40	T4_E2	Pablo Macías Benítez: <i>Cyclam-Based Nickel and Copper Complexes for the Electrocatalytic Activation of Small Molecules</i>
17:50	—	End of day

2nd October 2026

Time	Code	Speaker / Title
		5. Therapeutic Strategies and Neurodegeneration Chair: Nicolas Delsuc
08:30	T5_1	Luca Salassa: <i>Host-Directed Metal-Based Antivirals</i>
08:50	T5_2	Christelle Hureau: <i>ATCUN peptides to shuttle copper intracellularly</i>
09:10	T5_3	Santiago Gómez Ruiz: <i>From Metal Complexes to Intelligent Nanomedicines: Bioinorganic Platforms for Cancer, Infection and Neurodegeneration</i>
09:30	T5_4	Myriam Seemann: <i>From metalloenzyme mechanisms to novel antibacterial strategies</i>
09:50	T5_5	Nicolas Delsuc: <i>Antioxidant metalloenzyme mimics delivery to mitigate symptoms in inflammatory bowel diseases</i>

Time	Code	Speaker / Title
10:10	T5_E1	Albert Gandioso: <i>Light-Activated Strategies to Treat Antibiotic-Resistant Bacterial Infections</i>
10:20	T5_E2	Emmanuel Marcos
10:30	T5_E3	Diana Díaz García: <i>Metal-Based Multifunctional Nanocarriers for Brain-Targeted Therapy in Amyotrophic Lateral Sclerosis</i>
10:40	T5_E4	Isabelle Vieira de Almeida: <i>Towards new inhibitors of the IspH metalloenzyme, a target for the development of new antibiotics</i>
10:50	T5_E5	Melanie Rossotti
11:00	—	Coffee break
		6. Artificial Metalloenzymes and Biocatalysis Chair: Jean-Didier Maréchal
11:30	T6_1	Caroline Marchi-Delapierre: <i>Artificial metalloenzymes: from molecular design to catalysis</i>
11:50	T6_2	Thierry Tron: <i>Multi-Copper Oxidases in Hybrid Catalysis</i>
12:10	T6_3	Christophe Léger: <i>Electrochemical studies of enzymes involved in the production of solar fuels</i>
12:30	T6_4	JeanDidier Maréchal: <i>Computacional multiscale approaches in bioinorganic chemistry: recognition and catalysis</i>
12:50	T6_E1	Laura Opdam: <i>The impact of substrate channel mutations on the O₂-sensitivity of CODH</i>
13:00	T6_E2	Stann Van Baaren: <i>Design of artificial metalloenzymes for enantioselective sulfoxidation</i>
13:10	T6_E3	Fernanda Peralta Morales: <i>Modelling Au-Based Asymmetric Catalysis in Artificial Metalloenzymes: Mechanistic Insights into Gold-Catalyzed Alkenynone Cyclization</i>
13:20	—	End
13:30	—	Lunch