

Anticancer Metal Drugs: New Developments And Future Perspectives 2nd Edition

15-17 May 2024

Josebe Olarra Auditorium, Donostia International Physics Center, Paseo M. Lardizabal 4, 20018, Donostia-San Sebastián, Spain



Program

15 May - Wednesday	
9.00 – 9.15	Opening
9.15 – 9.45 KL-1	Ingo Ott New insights and approaches with metal N-heterocyclic carbene anticancer agents
9.45 – 10.15 KL-2	Raphael De Paiva Gold-promoted selective C-Se coupling in peptides and proteins
10:15 – 10.45	Coffee Break
10.45 – 11.30 PL-1	Dan Gibson Are multi-targeting Pt(IV) prodrugs better than co-administration of their components?
11:30 – 12:00 KL-3	Christian Kowol Insertion of (bioactive) equatorial ligands into platinum(IV) complexes
12.00 – 12.30 KL-4	Patrick Gamez Mononuclear complexes of platinum group metals (PGMs) as efficient cytotoxic agents
12.30 – 13.00 KL-5	Luca Salassa Catalysis-based strategies for the activation of anticancer Pt drugs
13.00–14.30	Lunch Break

14.30 – 15:15 PL2	Giorgia Pastorin Design Of Dual Targeting Pt(IV) Anticancer Complexes And Their Delivery To Animal Cancer Models
15:15 – 15:45 KL-6	Luigi Messori Targeting cytotoxic gold drugs to cancer cells through conjugation to human ferritin
15.45 – 16.15 KL-7	Jordi Llop Radiometals and theranostics: A hot trend or a new way to combat cancer?
16:15 – 16:45	Coffee Break
16:45 – 17:30 PL3	Petra Heffeter Paraptosis induction as novel mode of action for anticancer metal drugs
17.30 – 18.00 KL-8	Nicola Margiotta Diagnosis and treatment of bone tumors and metastases by platinum complexes with bisphosph(on)ate ligands

16 May - Thursday	
9.00 – 9.45 PL4	Wee Hang Ang Combinatorial Coordination Chemistry for Discovery of Therapeutic Metal Complexes
9.45 – 10:15 KL-9	Ana Maria Pizarro Tether half-sandwich complexes to modulate intracellular activity
10:15 – 10:45	Coffee
10:45– 11.30 PL5	Maria Muñoz Caffarel New therapeutic strategies to block tumor-promoting inflammation in breast cancer
11:30 – 12:00 KL-10	Samuel Meier-Menches Metal-specific effects of metal-based drug candidates in cancer cells
12.00 – 12.30 KL-11	Luisa Ronga Mass spectrometry insights into interactions of metal drugs with biomolecules
12.30 – 13.00 KL-12	Carlos Sánchez Cano Probing the intracellular reactivity of metals with X-rays
13.00 – 14.30	Lunch
14:30 – 15:15 PL6	Walter Berger Bold-100 and the onco-metabolism/immunity crosstalk
15:15 – 15:45 KL-13	Alessio Terenzi Metal complexes interacting with single and multimeric G-quadruplexes: a strategy to fight cancer and beyond
15.45 – 16.15 KL-14	Gustavo Espino Exploring new strategies in the development of Ir(III) photosensitizers for anticancer PDT
21.00	Social Dinner at Txirrita Sagardotegia

17 May - Friday	
9.00 – 9.45 PL7	Emilia Sicilia To reproduce or not to reproduce experimental results, the dilemma of a computational chemist
9.45 – 10:15 KL-15	Giampaolo Barone Host-guest binding between transition metal compounds and biological macromolecules: a contribution by computational chemistry
10:15 – 10:45	Coffee Break
10:45– 11.30 PL8	Angela Casini Inorganic Chemistry in Water: From Catalysis to Medicine
11:30 – 12:00 KL-16	Vanesa Fernández Moreira Cyclometalated Ir(III) complexes in therapy and bioimaging
12.00 – 12.30 KL-17	José Ruiz Achieving red-light anticancer photodynamic therapy under hypoxic conditions using Ir(III) complexes
12.30	Concluding Remarks