



## Detailed Program

Time	Thursday, May 16	
12h00 - 14h00	<b>Registration</b>	
14h00 - 14h30	<b>Opening Session</b> Ana Isabel Aguiar-Ricardo (NOVA FCT, Lisbon, Portugal) Jorge Parola (Portuguese Chemical Society, Portugal) Luisa Maia (NOVA FCT, Lisbon, Portugal)	
14h30 - 16h45	Chair: José Moura (NOVA FCT, Lisbon, Portugal)	
14h30 - 15h15	PL 1 - Javier Garcia Martinez (Universidad de Alicante, Spain) Catalyzing the green revolution: unlocking previously inaccessible processes	
15h15 - 15h45	KN 1 - Nora Kulak (Faculty of Science, Universität Potsdam, Germany) Copper instead of platinum: metal-containing compounds for applications from medicine to catalysis	
15h45 - 16h15	KN 2 - Emma Gallo (University of Milan, Italy) Non-reductive CO <sub>2</sub> valorization promoted by eco-friendly porphyrin species	
16h15 - 16h45	KN 3 - Daniel Murgida (Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina) Improving the performance of heme peroxidases and peroxigenases by O <sub>2</sub> <sup>•-</sup> / HO <sup>•</sup> activation	
16h45 - 18h30	Welcome Reception	Posters Session

Time	Friday, May 17	
09h00 - 10h30	Chair: Teresa Santos-Silva (NOVA FCT, Lisbon, Portugal)	
09h00 - 09h30	KN 4 - Benoit D'Autr�aux (Universit� Paris-Saclay, CEA, CNRS, Paris, France) Biosynthesis of [2Fe-2S] clusters via formation and fusion of [1Fe-1S] precursors by the ISC machinery	
09h30 - 09h45	IL 1 - C�lia Silveira (NOVA ITQB, Lisbon, Portugal) Dye-decolorizing peroxidases: insights into their role as immobilized biocatalysts	
9h45 - 10h00	IL 2 - T�nia Morais (Faculty of Sciences, University of Lisbon, Portugal) Smart metallodrugs for precision therapy of FGFR breast cancer	
10h00 - 10h15	IL 3 - Cristiano Mota (NOVA FCT, Lisbon, Portugal) Oxidative damage of Mo/W formate dehydrogenases	
10h15 - 10h30	IL 4 - Filipe Conzuelo (NOVA ITQB, Lisbon, Portugal) Electrochemical characterizations of new multicopper oxidases	
10h30 - 11h00	Coffee Break	
11h00 - 12h45	Chair: Leonor Morgado (NOVA FCT, Lisbon, Portugal)	
11h00 - 11h15	IL 5 - Leonor C�rte-Real (IST, ULisbon, Portugal) The anticancer potential of 8-hydroxyquinoline schiff base metal complexes containing N-heterocycles	
11h15 - 11h45	<i>Talk sponsored by Dias de Sousa</i> KN 5 - Ricardo Louro (NOVA ITQB, Lisbon, Portugal) Known unknowns, unknown unknowns, and unknown knowns: a brief report from the survey of the Desulfuromonadia "cytochrome"	
11h45 - 11h55	OC 1 - C�lia Rom�o (NOVA ITQB, Lisbon, Portugal) Unveiling metal distribution from bacterial nano-compartments after stress exposure	
11h55 - 12h05	OC 2 - Filipa Engrola (NOVA FCT, Lisbon, Portugal) Molybdenum cofactor adducts unveiling arsenite oxidase catalytic mechanism	
12h05 - 12h15	OC 3 - Chiara Bacchella (Universit� di Pavia, Italy) How cysteine directs metal-mediated TAU toxicity	
12h15 - 12h45	KN 6 - Anne Walburger (CNRS, Aix Marseille Universit�, France) Draw me an oxidoreductase that reacts with menaquinones: the case of the formate dehydrogenase force from <i>Bacillus subtilis</i>	
12h45 - 14h30	Group Photo	Posters Session
14h30 - 16h00	Chair: Luis Branco (NOVA FCT, Lisbon, Portugal)	
14h30 - 14h40	OC 4 - In�s Matias (IST, ULisbon, Portugal) CO <sub>2</sub> -driven <i>N</i> -formylation/-methylation of amines using <i>C</i> -scorpionate metal complexes	
14h40 - 14h50	OC 5 - Srecko Kirin (Ru�er Bo�kovi� Institute, Zagreb, Croatia) Synthesis and characterization of transition metal complexes with chiral monodenate oxazoline ligands	
14h50 - 15h00	OC 6 - Beatriz Garcia (NOVA ITQB, Lisbon, Portugal) Molybdenum catalyzed acceptorless dehydrogenation of alcohols for the synthesis of quinolines	
15h00 - 15h15	IL 6 - Kamran T. Mahmudov (IST, ULisbon, Portugal & Baku State University, Azerbaijan) Modulating the primary and secondary coordination spheres of metal ions	
15h15 - 15h30	IL 7 - Carlos Geraldes (Faculty of Science and Technology, University of Coimbra, Portugal) Paramagnetic complexes as sensors for biomedical MRS and MRI	
15h30 - 16h00	KN 7 - Carlos Lodeiro (NOVA FCT, Lisbon, Portugal) Metallic nanoparticles: from metal complexes to anisotropic nanostructures and materials	
16h00 - 16h30	Coffee Break	
16h30 - 17h15	Chair: Carla Nunes (Faculty of Sciences, University of Lisbon, Portugal)	
16h30 - 16h45	IL 8 - Jo�o Rocha (Aveiro Institute of Materials - CICECO, Portugal) Advances in photoresponsive ferroelectrics: designing hybrid and metal-nitrosyl crystals	
16h45 - 17h15	KN 8 - Alexander Kirillov (IST, ULisbon, Portugal) Antimicrobial coordination polymers: from self-assembly to biomaterials	
17h15 - 18h00	Chair: Luisa Maia (NOVA FCT, Lisbon, Portugal) Jorge Parola (NOVA FCT, Lisbon, Portugal)	
17h15 - 18h15	Award Alberto Rom�o Dias In�s Cardoso Pereira (NOVA ITQB, Lisbon, Portugal) From Chemistry to Biology, and back Isabel Moura (NOVA FCT, Lisbon, Portugal) A Bioinorganic tour to Denitrification	
20h30 - 22h30	Conference Dinner	

Time	Saturday, May 18		
09h00 - 10h30	Chair: Clara Gomes (NOVA FCT, Lisbon, Portugal)		
09h00 - 09h30	<i>Talk sponsored by Dias de Sousa</i> KN 9 - Maria C. Rangel (ICBAS, University of Porto, Portugal) Iron is master of them all		
09h30 - 09h45	IL 9 - Sara Realista (Faculty of Sciences, University of Lisbon, Portugal) Electrosynthesis of metal-organic framework films		
9h45 - 10h00	IL 10 - Vitor Rosa (NOVA FCT, Lisbon, Portugal) Metal coinage heteroleptic complexes: structure and reactivity		
10h00 - 10h15	IL 11 - Salette Balula (Faculty of Sciences, University of Porto, Portugal) Clever strategies to broaden polyoxometalates functionalities: from molecules to composites		
10h15 - 10h30	IL 12 - Flávio Figueira (Aveiro Institute of Materials - CICECO, Portugal) Metal-organic frameworks for anion detection		
10h30 - 11h00	Coffee Break		
11h00 - 12h45	Chair: Isabel Correia (IST, ULisbon, Portugal)		
11h00 - 11h15	IL 13 - Leonor Maria (IST, ULisbon, Portugal) Multi-electron transfer reactions of uranium bis(aryloxo) cyclam complexes		
11h15 - 11h30	IL 14 - Sara Pinto (University of Coimbra, Portugal) Manganese(II/III)-water soluble fluorinated tetrapyrrolic macrocycles as potential redox MRI probes		
11h30 - 11h45	IL 15 - Nuno Gonçalves (Aveiro Institute of Materials - CICECO, Portugal) 3D-printed ceramic-like residue-containing materials for water remediation		
11h45 - 11h55	OC 7 - Clara Pereira (Faculty of Sciences, University of Porto, Portugal) Hybridization of MWCNTS and nano ferrites for high-performance electromagnetic shielding textiles		
11h55 - 12h05	OC 8 - Rodrigo Monteiro (Aveiro Institute of Materials - CICECO, Portugal) Effect of inclusion of CpFe(Co) <sub>2</sub> L complexes in cucurbit[7]uril on their CO-release profiles		
12h05 - 12h15	OC 9 - Ona Šivickýtė (Faculty of Sciences, University of Lisbon, Portugal) Photocatalytic CO <sub>2</sub> reduction: mechanistic DFT study		
12h15 - 12h45	KN 10 - Luis Branco (NOVA FCT, Lisbon, Portugal) Development of magnetic and luminescent ionic systems as MRI contrast agents		
12h45 - 14h30	Lunch	Posters Session	SPQ Division Meet.
14h30 - 16h00	Chair: Vânia André (IST, ULisbon, Portugal)		
14h30 - 14h40	OC 10 - Alzir Batista (Federal University of São Carlos, SP, Brazil) On the activity of Ru(II)/natural products complexes against cancer cells		
14h40 - 14h50	OC 11 - Ariana Santos (Aveiro Institute of Materials - CICECO, Portugal) Development of a novel coordination polymer comprising Cu(II) and chrysin with anticancer potential		
14h50 - 15h00	OC 12 - Tomás Fernandes (NOVA FCT, Lisbon, Portugal) Unraveling a class of stretchable cytochromes: functional mechanisms of PgcA from <i>Geobacter sulfurreducens</i>		
15h00 - 15h15	IL 16 - Américo Duarte (NOVA ITQB, Lisbon, Portugal) Elucidating electron transfer chains in the electroactive <i>Geobacter sulfurreducens</i>		
15h15 - 15h30	IL 17 - Sofia Pauleta (NOVA FCT, Lisbon, Portugal) Bacterial peroxidases from pathogenic bacteria		
15h30 - 16h00	KN 11 - Christine Cavazza (Laboratoire Chimie et Biologie des Métaux, Grenoble, France) Carbon monoxide dehydrogenase: an interesting electrocatalyst for reversible CO <sub>2</sub> /CO interconversion		
16h00 - 16h30	Coffee Break		
16h30 - 17h15	Chair: Célia Romão (NOVA ITQB, Lisbon, Portugal)		
16h30 - 16h45	IL 18 - Manuel Aureliano (Faculty of Sciences and Technology University of Algarve, Faro, Portugal) P <sub>5</sub> W <sub>30</sub> presents agonist-like properties on purinergic receptors		
16h45 - 17h15	<i>Talk sponsored by Dias de Sousa</i> KN 12 - Carlos Salgueiro (NOVA FCT, Lisbon, Portugal) What happens when Biophysics and Microbiology/Genetics meet?		
17h15 - 18h30	Chair: Isabel Moura (NOVA FCT, Lisbon, Portugal)		
17h15 - 18h00	<i>Talk sponsored by The American Corners Portugal</i> PL 2 - Robert P. Hausinger (Michigan State University, USA) Biosynthesis and functions of the nickel-pincer nucleotide (NPN) cofactor		
18h00 - 18h30	<b>Poster Prizes &amp; Closing Session</b> Luisa Maia (NOVA FCT, Lisbon, Portugal)		