



Monday - 18 July

8h30 - 9h20	PL1 - Elisabeth NOLAN				
	Exploring siderophore scaffolds for antibacterial strategies				
	Room A - Chair Roland SIGEL				
	Session 1 - Room B	Session 2 - Room C	Session 3 - Room D		
	Chair Isabel CORREIA	Chair Nick LE BRUN	Chair Vincent ARTERO		
9:30 - 10:00	KN1 ROMPEL Annette	KN3 CIURLI Stefano	KN5 NAM Wonwoo		
	Interweaving disciplines to advance chemistry: applying polyoxometalates in biology	Advances in the biochemistry of urease and related systems	Biomimetic Metal-Oxygen Intermediates in Dioxygen Activation Chemistry		
10:00 - 10:20	OC1 HADJIKAKOU Sotiris	OC5 WONG Kam Bo	OC9 JACKSON Timothy		
	Drug activation for the discovery and development of new targeted chemotherapeutic formulations	Structural insights into nickel trafficking along the urease maturation pathway	Geometric and Electronic Influences on the Reactivity of Mn(III)-hydroxo and Mn(III)-alkylperoxo Complexes		
10:20 - 10h40	OC2 MARMION Celine	OC6 FURTMUELLER Paul	OC10 DEY Abhishek		
	Multi-Targeted Metallodrugs Rationally Designed to Overcome Drug Resistance	Structural and mechanistic insights in dimeric chlorite dismutase - Impact of pH and the dynamics of the catalytic arginine	Nitric Oxide Reactivity with Iron Porphyrins		
10h40-11h10	Coffee Break				
	Session 1 - Room B	Session 2 - Room C	Session 3 - Room D		
	Chair Juan FONTECILLA-CAMPS	Chair Catherine BELLE	Chair Ewen BODIO		
11h10 - 11h40	KN2 EINSLE Oliver	KN4 TUCZEK Felix	KN6 DAUMANN Lena		
	Towards a Unified Concept of Nitrogenase Catalysis	Model systems of copper-containing monooxygenases with pyridazine backbone	Inspired by Nature: Separation of Lanthanides and Actinides		
11h40 - 12h00	OC3 BERTEAU Olivier	OC7 STOKOWA Kamila	OC11 ELISEEVA Svetlana		
	Crystallographic snapshots of Mmp10, a B12-dependent radical SAM methyltransferase involved in methane biosynthesis	Cu(II) and Fe(II) binding, DNA cleavage and radicals production by outer-membrane protein fragments from F. nucleatum	Tuning functional properties of lanthanide(III)-based metallacrowns		
12h00 - 12h20	OC4 ASH Philip	OC8 NEUMANN Wilma	OC12 HAMON Nadège		
	Unifying Mechanism in NiFe Hydrogenase Using Advanced Spectroscopic Techniques	Dithiolopyrrolones are Prochelators that Mediate the Redox Cycling of Copper	Design of specific regio-functionnalized pyclen-based Ln(III) complexes for two-photon excitation and application to imaging or theranostic		
12h20 - 14h00		LUNCH			
14h00 - 15h00	Discussion around Gender in Science				
	Room A - Chair Carole DUBOC & Pascale DELANGLE				
	Session 1 - Room B	Session 2 - Room C	Session 3 - Room D		
	Chair Abhishek DEY	Chair Luca BERTINI	Chair Bas DE BRUIN		
15h00 - 15h30	KN7 AUKAULOO AIIy	KN9 PETOUD Stéphane	KN11 GALLO Emma		
	Coupling photoredox with bioinspired molecular catalysts for O $_2$ and CO $_2$ activation	Metals for Biological and Medical Diagnostics: Dual- mode Nearinfrared Optical and Photoacoustic Imaging Agent based on Low Energy Absorbing Ytterbium Complex	Synthesis of Biologically Relevant Heterocycles Mediated by Porphyrin-based Catalysts		
15h30 - 15h50	OC13 ARTERO Vincent	OC15 IVANOVIC-BURMASOVIC Ivar	OC17 SRNEC Martin		
	Proton relays in molecular electrocatalysis: specifications for efficiency and insights into their relevance for reversible behavior	Is Zn redox "innocent" Redox modulation and signaling by Zn vs Fe and Mn	On the role of asynchronicity and frustration in C-H bond activation by metal-oxo complexes		
15h50 - 16h10	OC14 LOURO Ricardo	OC16 GAMBINO Dinorah	OC18 AVENIER Frédéric		
	Exploring the molecular mechanisms of electron uptake by (photo)electro-autotrophic organisms	Multi-functional organometallic compounds as prospective antitrypanosomal agents: new approaches	Bioinspired Iron Chemistry: i) Heterolytic O-O Bond Breaking Reaction and ii) Unprotected Nitrene Transfer		
16h10 - 16h40	KN8 MINTEER Shelley	KN10 VILAR Ramon	Reactions KN12 MORGAN Grace		
	Enzymatic and Microbial Bioelectrocatalysis for Electrosynthesis	Targeting and imaging DNA with metal complexes	Dioxygen Activation by Electronic Modulation of Redox and Spin State Choice in Mn and Co Chelate Complexes		
16h40 - 17h10	Coffee Break				
17h10 - 18h00	PL2 - Jana ROITHOVA				
	Bioinspired catalysis investigated by mass spectrometry Room A - Chair Pascale MALDIVI				
18h00 - 19h30	Poster Session Hall SUD				



Tuesday - 19 July

01-00 01-00		PL3 - Nick LE BRUN				
8h30 - 9h20						
	Adventures with iron-sulfur cluster-containing regulators: elucidation of sensing mechanisms					
	Room A - Chair Sandrine OLLAGNIER					
	Session 1 - Room B	Session 2 - Room C	Session 3 - Room D			
	Chair Sven STRIPP	Chair Christelle HUREAU	Chair Shelley MINTEER			
9:30 - 10:00	KN13 AGAPIE Theodor	KN15 BLINDAUER Claudia	KN17 HELLWIG Petra			
	Cluster Models of the Nitrogenase Active Site	How marine cyanobacteria deal with zinc in an ocean desert	Electrocatalytic and Spectroscopic Studies on Cytochrome bd Oxidase, a Highly Diverse Bacterial Defense Factor			
10:00 - 10:20	OC19 ANXOLABEHERE Elodie	OC23 JANCSO Attila	OC27 FOLGOSA Filipe			
	Electrochemical O2 activation by Fe and Mn porphyrins. Towards electrocatalytic aerobic oxidations of organic substrates	On the metal site stabilizing role of the C-terminal CCHHRAG fragment of the metalloregulatory protein CueR	The conserved amino acid motif -GSSYN- is essential for the E. coli flavorubredoxin NO reductase its activity			
10:20 - 10h40	OC20 MILET Anne	OC24 KIELB Patrycja	OC28 ZHANG Huijie			
	Theoretical Mechanistical Study of CO2 Reduction to CH4 by a Bio-Inspired NiFe Hydrogenase Model on graphite.	Do Tyr/Trp redox pathways protect 02-reducing S. Coelicolor laccase from oxidative damage?	Development of Multiheme Cytochromes-Carbon Dots Biohybrids for Solar Chemicals and Fuels Generation			
10h40-11h10	угартке.	Coffee Break	Generation			
	Session 1 - Room B	Session 2 - Room C	Session 3 - Room D			
	Chair Oliver EINSLE	Chair Jens MÜLLER	Chair Liviu MIRICA			
11h10 - 11h40	KN14 HÖGBOM Martin	KN16 HANNON Mike	KN18 HERRES-PAWLIS Sonja WILEY			
	Toward geometric structures of oxidized cofactors and high-valent metal-oxygen intermediates in di- metal proteins by femtosecond XFEL crystallography	Supramolecular recognition of DNA and RNA junction structures for anti-viral and anti-cancer therapy	Manipulating the Electron Transfer in Entatic State Model - The Influence of Substituents on Novel Copper Guanidine Quinoline Complexes			
11h40 - 12h00	OC21 WORRALL Jonathan	OC25 SIGEL Roland	OC29 KULAK Nora			
	Serial femtosecond X-ray crystallography reveals the role of water molecules in the chemistry of compound I reduction in dye-decolorizing peroxidases	Programmed cell death and SARS-CoV-2; two RNA G-quadruplexes in the focus of metal ions, their complexes, and small molecules	Prodigiosin derivatives and their Cu(II)-dependent antimicrobial and photoinduced anticancer activity			
12h00 - 12h20	OC22 RABE Patrick	OC26 PRATIK Shah	OC30 RONCONI Luca			
	X-ray free electron laser studies reveal dioxygen binding to isopenicillin N synthase induces correlated	Noncanonical Head-to-Head Hairpin DNA Dimerization at Interfacial Binding Sites by Orange	Tale of a successful failure: gold(III)-glycoconjugates as antiviral agents against SARS-CoV-2			
12h20 - 14h00	motions during catalysis	Emissive Silver Nanocluster LUNCH				
14h00 - 15h00	Discussion around Integrity in Science					
	Room A - Chairs Sandrine OLLAGNIER & Stéphane MENAGE					
	Session 1 - Room B	Session 2 - Room C	Session 3 - Room D			
	Chair Pascale DELANGLE	Chair Vincent FOURMOND	Chair Jean-Pierre MAHY			
15h00 - 15h30	KN19 HUREAU Christelle	KN21 NICOLET Yvain	KN23 PECORARO Vincent			
	Natural polyanions to tune the metal-modulated self- assembly of Aβ amyloid-forming peptides	FeFe-hydrogenase active site assembly: the case of HydE	de Novo Designed Protein Catalysis			
15h30 - 15h50	OC31 MIRICA Liviu	OC33 CASERTA Giorgio	OC35 CHAKRABORTY Saumen			
	Novel Theranostic Agents for Alzheimer's Disease	Stepwise assembly of the [NiFe]-hydrogenase active site	De Novo Designed Artificial Cu Proteins (ArCuPs) as O-H/O-O/C-H Activation Catalysts			
15h50 - 16h10	OC32 BERTINI Luca	OC34 STRIPP Sven	OC36 LEONE Linda			
	Membrane damages induced by Cu(II)-A β•OH radical species. OH propagation toward polar head groups and lipid tails of membrane phospholipid	Proton-coupled Electron Transfer in the Catalytic Mechanism of [FeFe]-Hydrogenase	Unveiling selectivity in indole oxidation catalyzed by artificial heme-enzymes			
16h10 - 16h40	KN20 GOSH DEY Somdatta	KN22 LEIMKÜHLER Silke	KN24 WARD Thomas			
	Heme and Copper bound Amyloid β Peptides: Reactive Intermediates relevant to Oxidative Degradation of Neurotransmitters	Modulation of the Molybdenum Coordination Sphere of E. coli Trimethylamine N-oxide reductase and role of the nucleotides in the bis-MGD molybdenum	Artificial Metalloenzyme for in vivo Catalysis: Challenges and Opportunities			
16h40 - 17h10		Coffee Break				
17h10 - 18h00		PL4 - Clotilde POLICAR				
17110 - 161100	Metal complexes in biological environments: a new frontier in inorganic chemistry **Room A - Chair Vincent PECORARO** FrenchBIC** FrenchBIC**					
18h00 - 19h30	Poster Session Hall SUD					



Wednesday - 20 July

PL5 - Franc MEYER Unusual Spin States and Spin-Dependent Reaction Trajectories in Biorelevant Dicopper/O2 and Diiron/NO Chemistry					
					Room A - Chair Carole DUBOC
Session 1 - Room B	Session 2 - Room C	Session 3 - Room D			
Chair Fabrice THOMAS	Chair Claudia BLINDAUER	Chair Mike HANNON			
KN25 COMPANY Anna	KN27 FREISINGER Eva	KN29 MEZLER-NOLTE Nils			
Exploring the oxidation chemistry of iron(V)-oxo- carboxylato species	Metallothioneins – looking beyond the fully metalated state	New Chemistry of Organometallic Rhenium Complexes for Drug Development			
OC37 ARRIGONI Federica	OC41 BYRNE Joseph	OC45 COVERDALE James			
Exploring novel features of [FeFe]-hydrogenase models through non-biomimetic modifications and reactivity: a DFT viewpoint	Carbohydrate-functionalised metal complexes: targeting bacterial carbohydrate-binding proteins for therapeutic and sensing applications	Advances in Os(II)-catalysed intracellular asymmetric reduction: new targets, stability improvement and anticancer potency enhancement			
OC38 MARTINI Maria Alessandra	OC42 CORREIA Isabel	OC46 MASSAI Lara			
Inhibition by CN- provides insight into the catalytic mechanism of [FeFe] hydrogenases	Liposomal formulation of a new Zn(II) complex exhibiting high therapeutic potential in a murine colon cancer model	Internalization of Anticancer Gold(I) Complexes in Human H Ferritin to Improve Drug Selectivity			
Session 1 - Room B	Session 2 - Room C	Session 3 - Room D			
Chair Emma GALLO	Chair Ragnar BJORNSSON	Chair Roland SIGEL			
KN26 DE BRUIN Bas	KN28 PEREIRA Ines	OC47 MÜLLER Jens			
Bio-Inspired Synthesis of Ring Compounds using Metalloradical Catalysis	High activity metalloenzymes for sustainable production of fuels	Light-Induced Formation of Metal-Mediated Base Pairs			
OC39 ZLATAR Matija	OC43 BIRRELL James	OC48 SANTOS Joana			
Coordination preferences of Shiff base ligands with transition metals: DFT study	Structural insights on the mechanism of the electron- bifurcating [FeFe] hydrogenase from Thermotoga maritima	Mitochondria-targeted Radiocomplexes for Auger Electron Therapy of Cancer			
OC40 SILAGHI-DUMITRESCU Radu	OC44 FOURMOND Vincent	OC49 VAZQUEZ LOPEZ Miguel			
Old dogs, old tricks, new glasses: hydrogen peroxide, cobalamin and others	Exploring the reactivity of CO dehydrogenases	Selective Cleavage of DNA Replication Foci in Cell Nuclei by Peptide Helicates			
FREE AFTERNOON - ACTIVITIES AROUND GRENOBLE					
GALA DINER					
Stade des Alpes					
Boulevard Jean Pain 38000 Grenoble					
	Session 1 - Room B Chair Fabrice THOMAS KN25 COMPANY Anna Exploring the oxidation chemistry of iron(V)-oxocarboxylato species OC37 ARRIGONI Federica Exploring novel features of [FeFe]-hydrogenase models through non-biomimetic modifications and reactivity: a DFT viewpoint OC38 MARTINI Maria Alessandra Inhibition by CN- provides insight into the catalytic mechanism of [FeFe] hydrogenases Session 1 - Room B Chair Emma GALLO KN26 DE BRUIN Bas Bio-Inspired Synthesis of Ring Compounds using Metalloradical Catalysis OC39 ZLATAR Matija Coordination preferences of Shiff base ligands with transition metals: DFT study OC40 SILAGHI-DUMITRESCU Radu Old dogs, old tricks, new glasses: hydrogen peroxide, cobalamin and others	Chemistry Room A - Chair Carole DUBOC Session 1 - Room B Chair Fabrice THOMAS KN25 COMPANY Anna Exploring the oxidation chemistry of iron(V)-oxocarboxylato species OC37 ARRIGONI Federica Exploring novel features of [FeFe]-hydrogenase models through non-biomimetic modifications and reactivity: a DFT viewpoint OC38 MARTINI Maria Alessandra Inhibition by CN- provides insight into the catalytic mechanism of [FeFe] hydrogenases Session 1 - Room B Chair Emma GALLO KN26 DE BRUIN Bas Bio-Inspired Synthesis of Ring Compounds using Metalloradical Catalysis OC39 ZLATAR Matija Coordination preferences of Shiff base ligands with transition metals: DFT study OC40 SILAGHI-DUMITRESCU Radu OC41 BYRNE Joseph Carbohydrate-functionalised metal complexes: targeting bacterial carbohydrate-binding proteins for therapeutic and sensing applications OC42 CORREIA Isabel Liposomal formulation of a new Zn(II) complex exhibiting high therapeutic potential in a murine colon cancer model Session 1 - Room B Session 2 - Room C Chair Emma GALLO Chair Ragnar BJORNSSON KN28 PEREIRA Ines Bio-Inspired Synthesis of Ring Compounds using Metalloradical Catalysis OC39 ZLATAR Matija OC43 BIRRELL James Structural insights on the mechanism of the electron-bifurcating [FeFe] hydrogenase from Thermotoga maritima OC44 FOURMOND Vincent Exploring the reactivity of CO dehydrogenases FREE AFTERNOON - ACTIVITIES AROUND GRENO GALA DINER Stade des Alipes			



Thursday - 21 July

8h30 - 9h20	9-9h20 PL6 - Gerard ROELFES				
		Artificial Metalloenzymes going Live			
	Room A - Chair Thomas WARD				
	Session 1 - Room B	Session 2 - Room C	Session 3 - Room D		
	Chair Luca RONCONI	Chair Dinorah GAMBINO	Chair Philip ASH		
9:30 - 10:00	KN30 PIKRAMENOU Zoe	KN32 SUMAN Sigridur	KN35 LEPOUL Nicolas		
	Luminescent Nanoparticles in detection and triggered drug release	Molybdenum Complexes as Catalytic Cyanide Antagonists: Bicompatibility, Intracellular Distribution and Mechanism.	Electrochemical and spectroelectrochemical approaches for the characterization of transient copper-oxygen models of oxygenases		
10:00 - 10:20	OC50 BODIO Ewen	OC55 PIZZARO Ana	OC59 GUIGLIARELLI Bruno		
	Aza-BODIPY and metal, a winning association for multimodal imaging and theranostics	Potent Tethered Osmium(II) Half-Sandwich Anticancer Agents Bearing Phenylpyridine	Deciphering the Metal Ion Environment in Formate Dehydrogenases: Insights from EPR, Isotopic Enrichment and DFT Calculations in a Tungsten and Selenium Dependent Enzyme		
10:20 - 10h40	OC51 MOLLOY Jennifer	OC56 ENYEDY Eva	OC60 GHATTAS Wadih		
	Design and synthesis of a multitopic pro radical probe for the detection of oxidative stress	Water-soluble 8-hydroxyquinoline-amino acid hybrids and their interaction with various metal ions: relationship between solution chemistry and cytotoxicity	Artificial metalloenzymes for in vitro and in vivo catalysis		
10h40-11h10	Coffee Break				
	Session 1 - Room B	Session 2 - Room C	Session 3 - Room D		
	Chair Olivier BERTEAU	Chair Attila JANCSO	Chair Frédéric AVENIER		
11h10 - 11h40	KN31 CIOFI BAFFONI Simone	KN33 GUMIENNA-KONTECKA Elzbieta	KN36 SHOJI Osami		
	The intriguing puzzle of iron-sulfur protein biogenesis	Inspired by siderophores: from structural probes of ferric ions assimilation to Ga-68/Zr-89 nuclear imaging	Hydroxylation of Nonnative Substrates by Wild-type Cytochrome P450BM3 with Decoy Molecules		
11h40 - 12h00	OC52 MOUGEL Victor	OC57 MICHAUD-SORET Isabelle	OC61 HAGEDOORN Peter-Leon		
	Iron-sulfur clusters: synthetic challenges and applications to catalysis	Is the iron homeostasis under the control of an iron- sulfur cluster in Fur?	Unique Biradical Intermediate in the Mechanism of the Heme Enzyme Chlorite Dismutase discovered using microsecond timescale freeze hyperquench		
12h00 - 12h20	OC53 CUTSAIL George	OC58 RODRIGUEZ MACIA Patricia	OC62 GYURCSIK Béla		
	Stabilization of Intermediate Spin-States in Mixed-valent Diiron Dichalcogenide Complexes	How accessory iron-sulfur clusters influence catalytic bias, O2 tolerance and overpotential in [FeFe] hydrogenases	Interplay of multiple metal ion binding sites regulates the catalytic activity of metalloenzymes		
12h20 - 12h50	OC54 DECAMPS Laure	KN34 SCHALK Isabelle	KN37 TRON Thierry		
	Nitrogenase P-cluster biosynthesis: unraveling the role of NifW with spectroscopy	Cancelled	Hybrid catalysis and Multi-Copper oxidases		
12h50 - 14h30	LUNCH				
	Room A - Chair Stéphane MENAGE				
14h30 - 15h20		PL7 Marc FONTECAVE	BioLogic		
	From CO 2 to fuels: bioinspired metal catalysts				
15h20 - 15h50	- 15h50 Room A - Chair Eva FREISINGER				
	EUROBIC Medal 2022 - Maxie ROESSLER				
	Controlling and exploiting intrisic unpaired electrons in metalloproteins				
15h50 - 16h20	Closing Ceremony - Eurobic Awards				
	Chairs : Carole DUBOC - Stéphane MENAGE				
16h20 - 17h00	Coffee Break				