

## FrenchBIC 2020 in Obernai

Sunday, March the 29th

16:00-18:30	Registration	
18:30-19:00	Welcome drink	
19:00-20:30	Diner	
20:45-21:35	PL1	Latour Bioinspired nitrene transfer. Catalyst, nitrene and substrate: Who does what?

Monday, March the 30th

8:30-9:20	PL2	Herres-Pawlis	Charge, electrons, oxygen – copper can transfer them all!
9:20-9:40	OP1	Hüppe	Fantastic four: Tetradentate N-donor ligand enabling a catalytically active non-heme iron(IV)oxo complex
9:40-10:00	OP2	Dobbelaar	Reactivity Studies on a Novel Structural Model Complex for the Rabbit-Lipoxygenase
<i>Coffee break</i>			
10:30-10:50	OP3	Schulz	Biological Methane Activation: A computational closeup on the Q intermediate of sMMO
10:50-11:10	OP4	Kostopoulos	Electrochemical O <sub>2</sub> reductive activation by Fe porphyrins. Towards electrocatalytic substrate oxidation
11:10-11:30	OP5	Mendoza	Operando X-ray absorption spectroelectrochemistry: new insights in the catalysis of CO <sub>2</sub> by Fe porphyrins.
11:30-12:00	KL1	Sorokin	Mono- and binuclear iron phthalocyanine-like complexes: from bio-inspired oxidation to carbene transfer reactions
<i>Coffee break</i>			
13:40-14:10	KL2	Ray	Small molecule activation at transition metal centers: structure-function correlations
14:10-14:30	OP6	Das	New metal complexes with bioinspired redox active ligands: synthesis, EPR studies and reactivity
14:30-14:50	OP7	Elders	Monodithiolene complexes of molybdenum and tungsten as potential redox catalysts for small molecule activation
14:50-15:10	OP8	Reckziegel	C–H Bond Activation by an Imido Cobalt(III) and the Resulting Amido Cobalt(II) Complex
<i>Coffee break</i>			
15:30-15:50	OP9	Contaldo	In vitro biological water-gas shift reaction: characterization and grafting of recombinant Rhodospirillum rubrum CODH
15:50-16:10	OP10	Brazzolotto	Multicopper enzymes for oxygen reduction reaction in PEMFC
16:10-16:30	OP11	Felbek	Built-in safety lock in FeFe hydrogenase: a flexible cysteine ligand protects the active site from oxygen attack
<i>Coffee break</i>			
16:50-17:50	Flash presentations		
17:50-19:00	PS1	Poster Session	
<i>Diner</i>			
20:30-21:30	AG	Assemblée Générale du FrenchBIC / FrenchBIC's General Assembly	

Tuesday, March the 31st

8:30-9:20	PL3	Policar	Metal complexes in biological environments: a new frontier in inorganic chemistry
9:20-9:40	OP12	Benoit B	Heterobimetallic Pt(II)/Re(I) complexes for the IR detection of a new class of platinum anticancer drugs
9:40-10:00	OP13	Chanthavong	Dinuclear Zinc Complexes for Phosphatidylserine Detection
<i>Coffee break</i>			
10:30-11:00	KL3	Ortega	Interaction of copper and zinc with neuronal dendritic cytoskeletal proteins revealed by correlative synchrotron nano-XRF and STED super resolution microscopy
11:00-11:20	OP14	Falcone	Towards reversible and specific luminescent sensing of Cu <sup>2+</sup> in biological media
11:20-11:40	OP15	Lin X	Metal-Carbonyl Rhenium Complex as Selective Luminescent and Vibrational Candidate probe for Amyloid Fibrils
11:40-12:00	OP16	Csire	Iron(III)-chelating model peptides as bioinspired antioxidants
<i>Lunch</i>			
13:40-14:10	KL4	Ilbert	Impact of copper stress on a redox-regulated molecular chaperone Hsp33 in Escherichia coli.
14:10-14:30	OP17	Arnoux	PCuAC from R. sphaeroides, a copper chaperone with a catalytic activity?
14:30-15:00	KL5	Dorlet	Binding of copper to the novel protein CopI from Cu resistant photosynthetic purple bacteria
<i>Coffee break</i>			
15:20-15:40	OP18	Mazurenko	Revealing cuprous oxidase activity of laccase from Thermus thermophilus using electrochemistry
15:40-16:00	OP19	YANG	Targeted Supported Laccase-based Hybrid Systems for Continuous Flow Catalysis
16:00-16:20	OP20	Munzone	Variability at the copper active site in bacterial lytic polysaccharide monoxygenases (LPMOs): influence on substrate binding properties.
<i>Coffee break</i>			
16:40-17:10	KL6	Michaud Soret	Silver nanoparticles fate and Safer-by-design biocide made of tri-thiol bridged silver nanoparticle assemblies
17:10-17:30	OP21	Staicu	Selenium respiration in bacteria: energy trade-off
<i>Coffee break</i>			
17:50-19:00	PS2	Poster Session	
19:30-21:30		Gala diner	

Wednesday, April the 1st

8:30-9:20	PL4	Einsle	Nitrogenase: Unraveling an Impossible Enzyme Mechanism
9:20-9:40	OP22	Merakeb	Towards Nitrogen Electrochemical Activation Using a Molybdenum Complex
9:40-10:00	OP23	Forrest	Product Selectivity in Nitrogen Fixation Chemistry
<i>Coffee break</i>			
10:30-11:00	KL7	Hess	Earth-abundant mono- and bi-metallic Mabiq complexes for photocatalysis
11:00-11:20	OP24	Mengele	A bisheteroleptic Ru complex acting as enzyme-inspired visible light driven molecular machine in the oxidation of nicotinamide cofactors
11:20-11:50	Closing ceremony		
11:50-12:00	Sandwich distribution and bus departure for Obernai train station		