

FrenchBIC 2021 in Obernai

Sunday, October the 10th

16:00-18:30	Registration
18:30-19:00	Welcome drink
Diner	
20:45-21:35	PL1 Latour

Bioinspired nitrene transfer. Catalyst, nitrene and substrate: Who does what?

Monday, October the 11th (morning)

Morning	8:30-9:20	PL2	Simaan
	9:20-9:40	OP1	Righetti
	9:40-10:00	OP2	Pujol
	Coffee break		
	10:20-10:40	OP3	Eid
	10:40-11:00	OP4	Colas
	11:00-11:20	OP5	Nyssen
	11:20-11:40	OP6	Colomban
11:40-12:00	OP7	Colasson	
Lunch			

Modeling copper-containing monooxygenases active sites for strong C-H bond activation.

Photocatalytic system for olefin oxidation based on laccase, a renewable dioxygen dependent oxidoreductase.

Engineering of a copper metalloenzyme for non-natural reactivities.

Chimeric enzymes for the catalysis of enantioselective reactions in cascade.

Constrained oligonucleotides-based chiral catalysts.

Redox-active cavity complexes for CO₂ reduction.

Encaged copper complexes as CuAAC catalysts tolerant to the glutathione biothiol.

Controlling the 2nd coordination sphere of biomimetic metal complexes via encapsulation in a dynamic hydrogen-bonded capsule.

Monday, October the 11th (afternoon)

Afternoon	14:00-14:20	OP8	Baffert	Electron-bifurcating hydrogenase Hnd from <i>Desulfovibrio fructosovorans</i> : a biochemical and electrochemical study.
	14:20-14:40	OP9	Felbek	<u>How sulfide protects FeFe-Hydrogenases from oxygen attack.</u>
	14:40-15:00	OP10	Contaldo	Functionalized pyrene anchors to enhance operational stability for CO ₂ RR by a CNT-supported engineered <i>Rhodospirillum rubrum</i> CO-Dehydrogenase.
	15:20-15:40	OP11	Nicolet	<u>Crystal structures of NifB unveil FeMo-co biosynthesis.</u>
	<i>Coffee break</i>			
	16:00-16:20	OP12	Hessin	Controlling potential inversion in iminobenzosemiquinone-based complexes to access high-valent nickel species.
	16:20-16:40	OP13	Papadakis	<u>Hydrogen evolution reactions catalyzed by Nickel bithiosemicarbazone complexes.</u>
	16:00-16:20	OP14	Gamboa-Ramirez	<u>Magneto-structural correlation in bis-μ-hydroxo Cu^{II} dimers.</u>
	<i>Coffee break</i>			
	17:00-19:00	Poster Session		
<i>Diner</i>				
21:00-22:00	Assemblée Générale			

Tuesday, October the 12th (morning)

Morning	8:30-9:20	PL3	Gasser	<u>Metal complexes as diagnostics and therapeutics.</u>
	9:20-9:40	OP15	Gaschard-Stefanelli	<u>Ferrocenyl indene compounds: a potential new class of cathepsin B Inhibitors.</u>
	9:40-10:00	OP16	Ramos	Study of the cytotoxicity and intracellular fate of halfsandwich iridium complexes as potential anticancer drugs.
	<i>Coffee break</i>			
	10:20-10:40	OP17	Schanne	<u>Inertness of superoxide dismutase mimics Mn(II) complexes based on an open-chain ligand is a key feature for bioactivity and detection in intestinal epithelial cells.</u>
	10:40-11:00	OP18	Mouchel Dit Leguerrier	<u>Redox active lanthanide complexes for medical imaging .</u>
	11:00-11:20	OP19	Choi	<u>Lanthanide-based bioprobes for live-cell imaging.</u>
	11:20-11:40	OP20	Ramu	Design, synthesis of Re(I) tricarbonyl complexes with N,N-bidentate (Pyta and Tapy) ligands and their imaging studies.
	11:40-12:00	OP21	Okafor	<u>Design of copper-selective peptidic transporters to prevent β-amyloid toxicity in Alzheimer's Disease.</u>
	12:00-12:20	OP22	Berthonnaud	<u>Copper complexes and use of carbone monoxide as surrogate of O₂ in biological relevant media.</u>
<i>Lunch</i>				

Tuesday, October the 12th (afternoon)

Afternoon	Free afternoon
	<i>Coffee break</i>
	17:00-19:00 PS2 Poster Session
	<i>Diner</i>

Wednesday, October the 13

8:30-9:20	PL4 Ollagnier de C.	<u>The NAD biosynthesis pathway: an interesting therapeutic target.</u>
9:20-9:40	OP23 Gervason	<u>Elucidation of the mechanism of Fe-S cluster assembly by the <i>E. coli</i> ISC machinery.</u>
9:40-10:00	OP24 Golinelli-Pimpaneau	<u>[4Fe-4S] enzymes for non-redox (de)sulfuration reactions.</u>
10:00-10:20	OP25 Srour	<u>Evidence for Fe-S cluster conversions in a new cysteine-rich, Fe-S cluster-containing protein from giant viruses.</u>
<i>Coffee break</i>		
10:40-11:00	OP26 Lahrach	<u>Role of molecular chaperones in copper stress resistance in <i>Escherichia coli</i>.</u>
11:00-11:20	OP27 Rossotti	<u>Combined EPR and NMR study of CopI, a novel periplasmic protein involved in bacterial copper resistance.</u>
11:20-11:40	OP28 Uzel	<u>EPR identification and characterization of two new menaquinone-linked formate dehydrogenases (FDHs) in <i>Bacillus Subtilis</i> .</u>
11:40-11:50	Closing ceremony	
11:50-12:00	Sandwich distribution and departure	