

Ecole Doctorale de Chimie Moléculaire de Paris Centre - ED 406  
 Director: Dr. Cyril OLLIVIER/Deputy director PSL: Dr. Fethi BEDIQUI

## 22<sup>th</sup> Conference of the Doctoral School (Farabeuf amphitheater)

Sept. 19, 2023	Morning sessions	Moderators
8h30 – 8h45	Opening of the 22 <sup>th</sup> conference by Dr Cyril Ollivier	
8h45 – 9h00	<b>Laora BOULO</b> <i>New supramolecular multivalent anti-adhesive agents against SARS-CoV-2</i>	
9h00 – 9h15	<b>Emile ESCOUDE</b> <i>Study of the reactivity of trivalent Phosphorus in a constrained geometry</i>	
9h15 – 9h30	<b>Hugo MADEC</b> <i>Design/synthesis of water-soluble and photoactivatable Cu complexes based on modified cyclodextrins for in cellulose applications</i>	<b>Pr Louis FENSTERBANK</b>
9h30 – 9h45	<b>Marcel ANNEREAU</b> <i>Syntheses, structures, CO release properties and biological studies of neutral Mn(I) tricarbonyl complexes with 8-hydroxyquinoline and imidazole ligands</i>	
<b>9h45 – 10h30</b>	<b>Pr Hideki YORIMITSU (Kyoto University, Japan)</b> <i>Aromatic Metamorphosis</i>	<b>Pr Louis FENSTERBANK</b>
10h30 – 11h00	Coffee break	
11h00 – 11h15	<b>Yaping CHENG</b> <i>N-Heterocyclic Carbene Coinage Metal Complexes Incorporating Pyrene Chromophore: Synthesis, Structural Motifs, and Luminescent Properties</i>	
11h15 – 11h30	<b>Lukas ENDERS</b> <i>Novel Chiral Imidazopyridine Au(I)-NHC Complexes for Enantioselective Enyne Cycloisomerizations</i>	
11h30 – 11h45	<b>Sophie MICHELIS</b> <i>Targeted biomimetic microparticles functionalized with tunable fluorescent lipids: FRET-sensing of receptor binding and phagocytosis</i>	<b>Dr Guillaume IZZET</b>
11h45 – 12h00	<b>Alexandre SIMON</b> <i>Photoredox-catalyzed pseudo-4-component alkylative amidation of alkenes</i>	
12h00 – 12h15	<b>Alice AM</b> <i>Development, characterization and biological evaluation of a novel theranostic peptide-based nanostructures for cancer therapy.</i>	
12h15 – 14h00	Lunch	

Sept. 19, 2023	Afternoon sessions	Moderators
14h00 – 14h15	<b>Rebecca CHURAMANI</b> <i>Control of supramolecular architecture by structural variation of self-assembling cyclodextrins</i>	
14h15 – 14h30	<b>Yupeng FU</b> <i>Photosensitive Bimetallic Catalyst based on Cyclodextrin</i>	
14h30 – 14h45	<b>Alessia MORI</b> <i>Selective C-H Functionalization at C3, C4 and C5 of furfural and HMF</i>	
14h45 – 15h00	<b>Jie SUN</b> <i>Novel hydrogel-modified electrode for improvement bio-receptors immobilization and electrochemical detection of emerging pollutants</i>	<b>Pr Virginie MOURIÈS-MANSUY</b>
15h00 – 15h15	<b>Yiyi ZHANG</b> <i>Rationally Designed Lipid Droplet-targeting BASHY Photosensitizers induce Ferroptosis upon Light Irradiation</i>	
15h15 – 15h30	<b>Thanaphon KHRUEAWATTANAWAT</b> <i>Mixed [Anti]Aromaticity unorthodox interactions and topologies</i>	
<b>15h30 – 16h15</b>	<b>Dr Elisabeth LOJOU (Aix-Marseille Université)</b> <i>Biodiversity as an amazing source of enzymes for electrocatalysis</i>	<b>Dr Fethi BEDIQUI</b>
16h15 – 16h45	Coffee break	
16h45 – 17h00	<b>Maria BALLARIN MARION</b> <i>Gold catalysis under visible light</i>	
17h00 – 17h15	<b>Baptiste NEIL</b> <i>Organopotassium-Catalyzed Silylation of Benzylic C(sp<sup>3</sup>)-H Bonds</i>	
17h15 – 17h30	<b>Clara TESTARD</b> <i>Turning regioselectivity to pseudo-enantiomery: asymmetric shaping of cyclodextrin cavities</i>	<b>Dr Fethi BEDIQUI</b>
17h30 – 17h45	<b>Zhihang ZHANG</b> <i>Graphene-based quantum dots as new generation of theranostic agents</i>	
17h45 – 18h00	<b>Iulia COCOSILA</b> <i>CO<sub>2</sub> reduction into carbon monoxide by photocatalysis using Fe-salophen catalysts.</i>	

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Sept. 20, 2023		Morning sessions	Moderators
8h30 – 8h45	<b>Justine COIS</b> <i>Hybrid chemogenetic fluorescent pH probes to study protein trafficking and secretion</i>		
8h45 – 9h00	<b>Amal LAKHAL</b> <i>Diastereoselective Radical Cyclization Cascade of Ynamides Enabling Access to New Trifluoromethylated Tricyclic Structures</i>		
9h00 – 9h15	<b>Pablo M'SELLEM</b> <i>Molecular tweezers for multifunctional switchable organogels</i>		<b>Dr Geoffroy GUILLEMOT</b>
9h15 – 9h30	<b>Kanokon UPITAK</b> <i>How to produce degradable polymers with iron/magnesium complexes?</i>		
9h30 – 9h45	<b>Lucas BACHELEY</b> <i>Access to Enantioenriched <math>\alpha</math>-Fluorinated and <math>\alpha</math>-Trifluoromethyl Alcohols in Hetero- and Carbocycles Series via Transition Metal-Catalysed Asymmetric Transfer Hydrogenation</i>		
9h45 – 10h30	<b>Pr Kay SEVERIN (Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland)</b> <i>Synthetic Chemistry with Laughing Gas</i>		<b>Dr Geoffroy GUILLEMOT</b>
10h30 – 11h00	Coffee break		
11h00 – 11h15	<b>Cristina CORONA ELIZARRARAS</b> <i>Functionalization of a glassy carbon electrode with carboxyl groups as a support for the development of a thyroxine electrochemical biosensor</i>		
11h15 – 11h30	<b>Raphaël LABIDI</b> <i>Light-Driven Hydrogen Evolution Reaction Catalyzed by a Molybdenum-Copper Artificial Hydrogenase</i>		
11h30 – 11h45	<b>William PARISOT</b> <i>Synthesis of benzo[c]naphthyridinone and 5H-chromeno[c]pyridine derivatives through ruthenium-catalyzed [2 + 2 + 2] cycloaddition</i>		<b>Pr Jean-François SOULE</b>
11h45 – 12h00	<b>Fan YANG</b> <i>A Facile Route to the Synthesis of Poly(silylether)s from Renewable Resources in the Presence of a Commercial Catalyst</i>		
12h00 – 12h15	<b>Alvaro LOPEZ SANCHEZ</b> <i>Oxaliplatin-induced peripheral neuropathy and redox modulation: evaluation of SOD mimics for enhanced anticancer activity and neuroprotection</i>		
12h15 – 14h00	Lunch		

Sept. 20, 2023

Afternoon sessions

Moderators

14h00 – 14h15 **Pedro DE BARROS PINTOS**  
*Development of antimicrobial strategies on plastic packaging materials for preservative-free cosmetics*

14h15 – 14h30 **Mikaël LE ROCH**  
*Synthesis and reactivity of low-valent Zn<sup>I</sup>-Zn<sup>I</sup> complexes: a combined DFT and experimental study*

14h30 – 14h45 **Norbert REIHANIAN HADANY**  
*Use of organometallic chemistry for the synthesis of nanocatalysts*

14h45 – 15h00 **Jiaxu ZHANG**  
*Synthesis and Biological Study of Ganglioside GM3 Derivatives as Anticancer Vaccine Candidates*

**Dr Lou ROCARD**

15h00 – 15h15 **Jian ZHANG**  
*Upgrading Phosphiniferrocene Structures through Catalytic C–H Bond Functionalizations*

15h15 – 15h30 **Bin LYU**  
*Regioselective C(sp<sup>3</sup>)–H Bond Arylation of Allylamines by Dual Photoredox and Nickel Catalysis*

15h30 – 16h15 **Dr Daniela VERGA (Institut Curie, Paris)**  
*Design and Synthesis of Chemical Biology Tools to unravel biological functions of G-quadruplex structures*

**Dr Lou ROCARD**

16h15 – 16h45 *Coffee break*

16h45 – 17h00 **Mélodie DONNART**  
*Dual magnetic and redox molecular switches for molecular electronics*

17h00 – 17h15 **Florian LHOSTIS**  
*Selective CO<sub>2</sub> Reduction to Formic Acid using Bismuth-based electrocatalysts*

17h15 – 17h30 **Sofia RUSSI**  
*Electronically active ultra-thin films based on Fe<sub>4</sub>Co<sub>4</sub> cyanide cages*

**Dr Hélène BERTRAND**

17h30 – 17h45 **Xinyu ZHANG**  
*Synthesis of main group metal based tandem catalysts for polyesters & Polymerization from acceptorless dehydrogenative coupling*

17h45 – 18h00 **Xueying LIU**  
*One-pot synthesis of biobased triblock copoly(meth)acrylates as thermoplastic elastomers (TPEs) towards tunable thermal performance*

18h00 *Closing remarks of Dr Cyril OLLIVIER*