

Ecole Doctorale de Chimie Moléculaire de Paris Centre - ED 406
Director: Dr Cyril OLLIVIER / Deputy director PSL: Pr Jean-François SOULÉ

24th Conference of the Doctoral School (Farabeuf amphitheater, The Cordeliers campus)

Sept. 04, 2025	Morning sessions	Moderators
8h40 – 8h45	Opening of the 24 th conference by Dr Cyril Ollivier	
8h45 – 9h00	Elise BOUDRY <i>One-pot synthesis of propane from carbon dioxide</i>	
9h00 – 9h15	Ruonan GAO <i>Bimetallic compounds in photodynamic therapy (PDT)</i>	
9h15 – 9h30	Apollonia KALAMATIANOU <i>Synthesis of anti-infective organometallic drug candidates</i>	
9h30 – 9h45	Fangying LING <i>Ir/Ni Metallaphotoredox catalysis for α-C(sp³)-H functionalization of N-Alkyl heterocycles</i>	Pr Sébastien Blanchard
9h45 – 10h00	Serah NJOROGÉ <i>Multi-parametric biosensors designed by surface modification based on metallic and organic nano-platforms for the detection of emerging pollutants</i>	
10h00 – 10h15	Valisoa RABENANDRASANA <i>Development of a peptide receptor radionuclide therapy (PRRT) strategy for poor-prognosis cancers</i>	
10h15 – 10h45	Coffee break	
10h45 – 11h00	Manon WITTWER <i>Fluorogenic and chemogenetic Zn²⁺ sensors for bioimaging</i>	
11h00 – 11h15	Zeping ZHANG <i>Luminescent cycloplatinated complexes containing NHC-pyrene chromophores</i>	
11h15 – 11h30	Sophia BEN AHMED <i>Pyrene as a redox partner for CO₂ electroreduction catalyzed by a zinc cyclam-pyrene complex</i>	Pr Philippe Karoyan
11h30 – 11h45	Emilien BEUDY <i>Silicon-assisted sustainable gold(I)-catalysis</i>	
11h45 – 12h00	Dandan DI <i>Understanding the behaviors of polymeric nanomaterials in biological media: Focus on intravenous and oral delivery</i>	
12h00 – 14h00	Lunch	

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Sept. 04, 2025	Afternoon sessions	Moderators
14h00 – 14h15	Willem KAUFFELD <i>Re(CO)-based silica-nanoparticles as multimodal probes for bio-imaging</i>	Pr Kawthar Bouchemal
14h15 – 14h30	Baptiste LAFON <i>Continuous flow synthesis and ultra-high frequency heating</i>	
14h30 – 14h45	Tao MA <i>Incarceration of biaryl-phosphines into polymeric structures via Rh(I)-catalyzed C–H Bond activation</i>	
14h45 – 15h00	Théo PIERRU <i>Conception of strong cationic organoacids and their applications in synthesis</i>	
15h00 – 15h15	Tom LACOMA <i>Synthesis and evaluation of gold(III) complexes for targeted therapy</i>	
15h15 – 15h30	Wenqing XU <i>Resolving and quantifying Isomers in complex mixtures by Ion mobility-mass spectrometry</i>	
15h30 – 16h00	Coffee break	
16h00 – 16h15	Roache ARULANANDAM <i>Synthesis of shikimate derivatives for targeting anaerobic ubiquinone biosynthesis in Pseudomonas aeruginosa</i>	Dr Alexandre Pradal
16h15 – 16h30	Yaqine BEN HADJ HAMMOUDA <i>Antioxidant metal complexes: Assessment for controlling intestinal inflammation</i>	
16h30 – 16h45	Sarah CHAPUIS <i>Lewis-base activation of Grignard reagents for enantioselective catalysis and adaptation to continuous flow</i>	
16h45 – 17h00	Cédric PECOU <i>Tunable supramolecular hetero-trimetallic dendrimers: Structural control and magnetic properties</i>	
17h00 – 17h15	Chonghuo LIU <i>Synthesis of α-substituted primary amines through asymmetric transfer hydrogenation</i>	

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Sept. 05, 2025	Morning sessions	Moderators
9h00 – 9h15	Laura THIRION <i>Synergistic Cp Ligand and Ag(I) Effects in Rh(III)-Catalyzed C(s H/C(sp2)–H Coupling at Ambient Conditions</i>	
9h15 – 9h30	Sisi ZHU <i>Emerging pollutants - micro/nanoplastics: from their physico-chemical characterization to their interactions with environmental media</i>	
9h30 – 9h45	Virgile ROUFFETEAU <i>ML-guided Electro-induced Isocyanides-based Multicomponent Reaction</i>	Dr Christophe Desmarets
9h45 – 10h00	Olivia SOUFFLET <i>From academic peptide to clinical candidate: overcoming developability challenges of a CD47 agonist for poor-prognosis cancers</i>	
10h00 – 10h15	Julian PORRAS <i>Biodegradable polymeric nanomaterials for oral vaccination</i>	
10h15 – 10h45	Coffee break	
10h45 – 11h00	Yan ZENG <i>Catalytic Silylation of Alkynyl C(sp)–H Bonds with tert-Butyl-Substituted Silyldiazenes</i>	
11h00 – 11h15	Bhramar BISWAS <i>Reactivity of oxamate ligands on the bench, in solvothermal and microwave synthetic conditions</i>	
11h15 – 11h30	Salomé LUCE <i>Dynamic silyl ether linkages for advanced material design</i>	Dr Camille Lescot
11h30 – 11h45	Abdourahim HAMMANI ???	
11h45 – 12h00	Molka BEN ALI <i>Development of a Microfluidic Device for the Electrochemical Detection of Water Pollutants</i>	
12h00 – 14h00	Lunch	

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14h00 – 14h15	Eleni KOVANI <i>Polyoxometalate-based Artificial Photosynthesis</i>	Dr Florence Volatron
14h15 – 14h30	Yongqiang XU <i>Cobalt-Catalyzed Intramolecular C–H Silylations : Toward Sustainable Access to Silacycles</i>	
14h30 – 14h45	Lucas CASTRO <i>A Microfluidic Device for Electrochemical Cell Lysis and Protein Digestion: Towards Integrated Multi-Omics Analysis</i>	
14h45 – 15h00	Leyu TANG <i>Synthesis and Study of Bridged Cyclodextrin Regioisomers for Chiral Recognition and Organocatalysis</i>	
15h00 – 15h15	Chengjun WU <i>From Pyridine to Pyridylidene-Iridium(III) Complexes: Novel Luminescent Materials and Their Optoelectronic Applications</i>	
15h15 – 15h30	Nader BALBALI <i>Peptidyl copper complexes mimicking laccase activity to trigger selective cytotoxic drug synthesis in cells</i>	
15h30 – 16h00	Coffee break	
16h00 – 16h15	Valentin POIRIER <i>Ligand switch enables selectivity for transfer hydrogenation of quinolines through cobalt catalysis</i>	
16h15 – 16h30	Zhenhua CHEN <i>Azide as a photolabile ligand in gold(I) therapeutics</i>	
16h30 – 16h45	Michael BERGAMI <i>C(sp³)-H functionalization of Spiropiperidines</i>	Dr Maxime Vitale
16h45 – 17h00	Lei ZHOU <i>Synthesis, characterization, and biological evaluation of iron(III)-N-heterocyclic carbene complexes as photosensitizers for photodynamic therapy and chemotherapeutics against cancer</i>	
17h00 – 17h15	Corentin LUDWIG <i>Synthesis of 1,2-fluorinated ferrocenes and 1,3-fluorinated ferrocenes</i>	
17h15	Closing remarks - Dr Cyril Ollivier	