



*French - Italian*

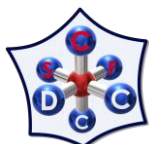
# **COORDINATION CHEMISTRY** *days*

24/25/26 JANUARY 2024 | STRASBOURG

**ISIS - Institut de Science et d'Ingénierie Supramoléculaires**

[jcc2024.sciencesconf.org](http://jcc2024.sciencesconf.org)

## **SCIENTIFIC PROGRAMME**







## **Welcome to the 1<sup>st</sup> French - Italian Coordination Chemistry days!**

The 2024 edition of the French *Journées de Chimie de Coordination* (JCC2024) are organized in a new international format. For the first time, this conference is organized under the joint auspices of the sister French and Italian chemical societies: the Société Chimique de France (SCF) and the Società Chimica Italiana (SCI), along with the Division de Chimie de Coordination (DCC-SCF), the Divisione di Chimica Inorganica (DCI-SCI) and the Gruppo Interdivisionale di Chimica Organometallica (GICO-SCI).

This scientific event aims to bring together the communities of coordination chemists from both countries. The program of the conference will include one opening lecture of 2016 Chemistry Nobel Laureate Jean-Pierre Sauvage, 12 keynote lectures of international renowned speakers, including the winners of the DCC-SCF prizes (senior and junior), 31 oral communications, 11 flash presentations and two poster sessions.

These three days will be a privileged occasion for fruitful scientific exchanges, discussions and networking between scientists working in the field of coordination chemistry and its inter- and cross-disciplinary interfaces with other chemical disciplines as well as materials science, biology, physics and beyond. We truly hope that this meeting will help to address some of the current challenges in the field of coordination chemistry. We have therefore tried to cover different aspects of this discipline and provided a strong multidisciplinary character to the meeting. This first edition has gathered about 145 participants from both countries, but not only, and we look forward to the exciting lectures, talks, and discussions during the meeting.

The organizing committee also wishes to thank gratefully all of the funding agencies and companies for their generous support that contributed to the success of this event!

We are looking forward to welcoming you in Strasbourg!

The Organizing Committee

## **Local organizing committee**

Matteo Mauro, Université de Strasbourg & CNRS (conference chair)

Stéphane Bellemin-Lapponnaz, Université de Strasbourg & CNRS

Cristina Cebrián Ávila, Université de Strasbourg & CNRS

Vincent César, LCC Toulouse, Université de Toulouse & CNRS

Vincent Robert, Université de Strasbourg & CNRS

Jennifer Wytko, Université de Strasbourg & CNRS

## **Scientific Committee**

Stéphane Bellemin-Lapponnaz, Université de Strasbourg & CNRS

Andrea Biffis, Università degli Studi di Padova

Cristina Cebrián Ávila, Université de Strasbourg & CNRS

Mario Chiesa, Università degli Studi di Torino

Cristina Femoni, Università degli Studi di Bologna

Emma Gallo, Università degli Studi di Milano "Statale"

Alceo Macchioni, Università degli Studi di Perugia

Matteo Mauro, Université de Strasbourg & CNRS

Vincent Robert, Université de Strasbourg & CNRS

Jennifer Wytko, Université de Strasbourg & CNRS

The local organizing committee thanks the following local staff for their kind help (alphabetical order):

Lavinia Ballerini, Mathilde Berthe, Caitlyn Dussart, Hajar El-Hachmi, Joseph El Khoury, Patricia Fernandez De Larrinoa, Valerio Giuso, Victoria Mechrouk, Eléanna Nikolopoulos and Laurie Zujew.

## GENERAL INFORMATION

### Venue

The 1<sup>st</sup> *French – Italian Coordination Chemistry days* will be held on January 24–26, 2024 in Strasbourg (France) in the conference room of the Institut de Science et d'Ingénierie Supramoléculaires (I.S.I.S.) on the Esplanade Campus. The Esplanade campus is only a 15-20 minute walk from the city centre. You can



also reach the Esplanade University campus by taking the tramway lines **C, E** or **F** and getting off at either the **Université, Observatoire** or **Esplanade** stops.

### Information for presenters

The allocated time slots are the following:

Keynote Lecture (30 min presentation + 5 min questions)

Oral Communication (12 min presentation + 3 min questions)

Flash Communication (3 min presentation with no question time)

It is of the utmost importance that you respect the allocated time to avoid any delay of the sessions during the conference.

A laptop PC will be available in the conference room. Speakers are kindly requested to upload their presentation in PPT or PDF file format the day before or during the break preceding their allocated session at the latest. The official language of the conference will be **English**.

### Lunch breaks

Lunch breaks on Wednesday, January 24<sup>th</sup> and Thursday, January 25<sup>th</sup> will be held at the "Restaurant Le 32", on the second floor of the CROUS canteen, at 32 Boulevard de la Victoire. The restaurant is located within walking distance (about 3 min) from the conference venue.

### Poster sessions

Poster sessions will take place in the hall of the conference venue along with cocktail buffets. Clips and poster supports will be provided. Please use standard A0 format.

## **European Journal of Inorganic Chemistry (EurJIC) Special Collection**

We are pleased to announce that a Special Collection (by invitation only) linked to the "*1st French-Italian Coordination Chemistry days*" has been recently organized in cooperation with the journal *European Journal of Inorganic Chemistry*.



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**COORDINATION  
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We gratefully acknowledge our partners and sponsors:



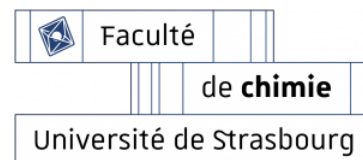
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de l'Université de Strasbourg & CNRS & Inserm



## Opening Lecture

**Jean-Pierre Sauvage**, Université de Strasbourg & CNRS

### Keynote Speakers (alphabetical order)

**Vincent Artero** (Université Grenoble Alpes & CNRS)

**Paola Belanzoni** (Università degli Studi di Perugia)

**Mauro Botta** (Università del Piemonte Orientale)

**Clément Camp** (Université Claude Bernard Lyon 1) Junior Prize DCC 2023

**Daniele Cortecchia** (Università degli Studi di Bologna)

**Gilles Gasser** (Chimie ParisTech, PSL Université & CNRS) Senior Prize DCC 2023

**Laurence Grimaud** (École Normale Supérieure, PSL Université )

**Elisabetta Iengo** (Università di Trieste)

**Angela Lombardi** (Università degli Studi di Napoli Federico II)

**Blanca Martin-Vaca** (Université de Toulouse 3 Paul Sabatier)

**Mariachiara Pastore** (Université de Lorraine & CNRS)

**Fabio Ragaini** (Università degli Studi di Milano)



## SCIENTIFIC PROGRAMME

**Wednesday 24 January 2024**

8h15–8h45	<b>Registration</b>
8h45–8h55	<b>Welcome address from the DCC and DCI Presidents</b>
<b>Session 1 – Chair: Alceo Macchioni</b>	
8h55–9h40	<b>Opening Lecture – Jean-Pierre Sauvage</b> Université de Strasbourg & CNRS <i>From topology to machines and motors at the molecular level</i>
9h40–10h15	<b>KL1 – Elisabetta Iengo</b> Università di Trieste <i>Porphyryns in discrete metal-mediated assemblies</i>
10h15–10h30	<b>OC1 – Caterina Damiano</b> Università degli Studi di Milano <i>Heterogenization of biodegradable hematin onto Colour Catcher® for the halogen-free cycloaddition of CO<sub>2</sub> to three-membered rings</i>
10h30–11h00	<b>Coffee Break</b>
<b>Session 2 – Chair: Marcello Gennari</b>	
11h00–11h15	<b>OC2 – Camille Chartier</b> Université Grenoble Alpes <i>Beyond CO<sub>2</sub> activation: shedding light on N<sub>2</sub>O electro-reduction catalyzed by a low-valent iron porphyrin</i>
11h15–11h30	<b>OC3 – Mariagrazia Fortino</b> Università di Catanzaro <i>Exploring chirality transfer and coordination geometry distortion in lead- and tin-based chiral hybrid perovskites</i>
11h30–12h05	<b>KL2 – Paola Belanzoni</b> Università degli Studi di Perugia <i>Computational modelling of cooperative small molecule activation by apolar / weakly polar bonds</i>
12h05–14h05	<b>Lunch Break at the “Restaurant Le 32”</b>
<b>Session 3 – Chair: Emma Gallo</b>	
14h05–14h40	<b>KL3 – Laurence Grimaud</b> École Normale Supérieure, PSL Université <i>From rationalization of metal-catalyzed process mechanism to AI-assisted reaction yield prediction</i>

14h40–14h55	<b>OC4 – Antoine Simonneau</b> Laboratoire de Chimie de Coordination – Université de Toulouse <i>Metallomimetic C–F activation catalysis by simple phosphines</i>
14h55–15h10	<b>OC5 – Irene Cassandrini</b> Université Grenoble Alpes <i>New trimetallic Fe<sub>2</sub>M-thiolate (M = Cu, Ag, Au) complexes: the coinage metal inhibits the reactivity with O<sub>2</sub></i>
15h10–15h25	<b>OC6 – Francesco Crisanti</b> Université Paris Cité <i>Mechanistic study of the photochemical benzene carbonylation reaction: metal-ligand cooperation and light dependence</i>
15h25–15h40	<b>OC7 – Wimonsiri Huadsai</b> Friedrich Schiller University Jena & LCC – Université de Toulouse <i>Study of magnesium and calcium hydride complexes for CO<sub>2</sub> reduction and efficient catalytic CO<sub>2</sub> hydroboration</i>
15h40–16h10	<b>Coffee Break</b>
<b>Session 4 – Chair: Mario Chiesa</b>	
16h10–16h45	<b>KL4 – Mauro Botta</b> Università del Piemonte Orientale <i>Water exchange in paramagnetic metal complexes and MRI diagnostic probes</i>
16h45–17h00	<b>OC8 – Thibault Troadec</b> Université de Brest <i>Dual <sup>18</sup>F PET/<sup>19</sup>F MRI imaging enabled by trifluoroborate prosthetic groups on an azamacrocyclic chelator for metallic cations</i>
17h00–17h15	<b>OC9 – Margherita Colombo</b> Université Claude Bernard Lyon 1 <i>Influence of a coordinating sulphur atom on luminescent single-molecule magnets</i>
17h15–17h30	<b>OC10 – Kévin Bernot</b> Université de Rennes & INSA Rennes <i>Metallogels of supramolecular nanotubes for surface deposition of single-chain magnets</i>
<b>Session 5 – Chair: Narcis Avarvari</b>	
17h30–18h00	<b>Flash presentations</b> <b>FL1 – Carmen Antuña-Hörlein</b> Université de Strasbourg & CNRS

	<p><i>Cobaltacycles for C-H bond activation under oxidative conditions</i></p> <p><b>FL2 – Matteo Mari</b> Università di Modena e Reggio Emilia <i>Development of coumarin-no3py derivatives for theranostic applications in nuclear medicine</i></p> <p><b>FL3 – Djamila Azrou</b> Université Paris Saclay <i>New weakly coordinating anions of type <math>[In(OTeF_5)_4(THF)_2]^-</math> and <math>[In(OTeF_5)_6]^{3-}</math></i></p> <p><b>FL4 – Francesco Fagnani</b> Università degli Studi di Milano <i>Highly phosphorescent N^C^N-Pt(II) complexes: synthesis, functionalization and application</i></p> <p><b>FL5 – Mathilde Berthe</b> Université de Strasbourg &amp; CNRS <i>A new water-soluble supramolecular complex for O<sub>2</sub> reduction</i></p> <p><b>FL6 – Valerio Giuso</b> Université de Strasbourg &amp; CNRS <i>A stable and true-blue emissive hexacoordinate Si(IV) N-heterocyclic carbene complex and its use in OLEDs</i></p> <p><b>FL7 – Alessandra Esposito</b> Università degli Studi di Napoli “Federico II” <i>Artificial heme-enzymes for the development of sustainable functional materials</i></p> <p><b>FL8 – Adrien Schlachter</b> Université de Rennes &amp; INSA Rennes <i>Irreversible thermal alteration of solid state luminescence in polymetallic copper(I) coordination polymer</i></p> <p><b>FL9 – Lorenzo Luciani</b> Università di Camerino <i>Group 11 CTCs based materials: solution and solid state studies and potential applications</i></p> <p><b>FL10 – Sabrina Grenda</b> Université Claude Bernard Lyon 1 <i>Functionalized borazines by nitroxide radicals: new ligands for the design of molecule-based magnets</i></p> <p><b>FL11 – Luisa D’Anna</b> Università degli Studi di Palermo <i>Asymmetric salphen metal complexes as viral G-quadruplex stabilizer: synthesis, characterization, and interaction profile</i></p>
18h00–19h30	<b>Poster session (odd numbers) + Aperitif cocktail</b>

## Thursday 25 January 2024

Session 6 – Chair: Ally Aukauloo	
8h30–9h05	<b>KL5 – Vincent Artero</b> Université Grenoble Alpes & CNRS <i>Proton relays in molecular electrocatalysis: how do they allow for bidirectional/reversible behavior?</i>
9h05–9h20	<b>OC11 – Gabriel Menendez Rodriguez</b> Università degli Studi di Perugia <i>A cobalt molecular catalyst for hydrogen evolution reaction with record activity in phosphate buffered water solution</i>
9h20–9h35	<b>OC12 – Jana Mehrez</b> Université Aix-Marseille & CNRS <i>Design of supported catalysts for hydrogen production</i>
9h35–10h10	<b>KL6 – Mariachiara Pastore</b> Université de Lorraine & CNRS <i>Toward exploitable iron-sensitized solar cells?</i>
10h10–10h40	<b>Coffee Break</b>
Session 7 – Chair: Valérie Heitz	
10h40–10h55	<b>OC13 – Stefan Haacke</b> Université de Strasbourg & CNRS <i>Femtosecond spectroscopy of new iron bidentate complexes with extended lifetimes</i>
10h55–11h10	<b>OC14 – Ludovic Troian Gautier</b> Université Catholique de Louvain <i>Factors influencing the excited-state reactivity of Fe(III) and other transition-metal based coordination compounds</i>
11h10–11h25	<b>OC15 – Giuseppe Grasso</b> Università of Catania <i>Carbon dots surface chemistry and peptides design drive fluorescent properties: new tools for metal detection</i>
11h25–12h00	<b>KL7 – Daniele Cortecchia</b> Università degli Studi di Bologna <i>Metal halide perovskites: synthetic and structural design towards photonic applications</i>
12h00–14h00	<b>Lunch Break at the “Restaurant Le 32”</b>
Session 8 – Chair: Stéphane Bellemin-Laponnaz	
14h00–14h35	<b>KL8 – Gilles Gasser (DCC Senior Prize)</b> Chimie ParisTech, PSL Université & CNRS <i>Coordination chemistry for medicinal applications</i>

<b>Session 9 – Chair: Jennifer Wytko</b>	
14h35–14h50	<b>OC16 – Luca Conti</b> Università di Firenze <i>Ru(II) polypyridyl complexes and light: a promising combination in the design of powerful biomedical tools</i>
14h50–15h05	<b>OC17 – Iman Doumi</b> Université de Strasbourg & CNRS <i>Cu<sup>II</sup>-Dp44mT reactivity and selectivity towards biologically relevant thiols</i>
15h05–15h20	<b>OC18 – Michel Meyer</b> Université de Bourgogne <i>Uranium(VI) chelation by desferrioxamine B: from solution binding studies to a new analytical device for environmental monitoring</i>
15h20–15h35	<b>OC19 – Yuliia Oleksii</b> Université d'Angers & CNRS <i>Unraveling AIE in zinc(II) coordination complexes: role of ligand structure and mechanistic insights</i>
15h35–15h50	<b>OC20 – Stefano Brenna</b> Università dell'Insubria <i>Fluorescent blue-emissive zinc(II) coordination complexes with bis(imidazo[1,5-a]pyridine)methane ligands</i>
15h50–16h20	<b>Coffee Break</b>
<b>Session 10 – Chair: Rinaldo Poli</b>	
16h20–16h55	<b>KL9 – Fabio Ragaini</b> Università degli Studi di Milano <i>Schiff bases of the BIAN family and their metal complexes: recent advances from our group</i>
16h55–17h10	<b>OC21 – Béatrice Jacques</b> Université de Strasbourg & CNRS <i>Strong Zn(II) and Mg(II) cationic Lewis acids: synthesis, structure, and reactivity in selective catalysis</i>
17h10–17h25	<b>OC22 – Benoît Bertrand</b> Sorbonne Université <i>Pyridine dissociation energy measurement in organogold complexes and its application in reactivity and catalysis studies</i>
17h25–17h40	<b>OC23 – Christian Lorber</b> Laboratoire de Chimie de Coordination – Université de Toulouse

	<i>M(NMe<sub>2</sub>)<sub>4</sub> (M = Ti, V) and tert-butylamine reaction: simple reagents, ...but great complexity and diversity in the products formed</i>
17h40–17h55	<b>OC24 – Gabriele Manca</b> CNR – ICCOM <i>Inverted ligand field and effects on Au(III) and Pt(IV) reactivity</i>
18h00–19h30	<b>Poster session (even numbers) + Cocktail buffet</b>

### Friday 26 January 2024

<b>Session 11 – Chair: Andrea Biffis</b>	
8h30–9h05	<b>KL10 – Angela Lombardi</b> Università degli Studi di Napoli “Federico II” <i>Tuning active site properties in de novo designed metalloenzymes</i>
9h05–9h20	<b>OC25 – Roberto Paciotti</b> Università di Chieti-Pescara <i>A computational insight on the aromatic amino acids conjugation with [Cp*Rh(H<sub>2</sub>O)<sub>3</sub>]<sup>2+</sup> by using the MTD/FMO3 approach</i>
9h20–9h35	<b>OC26 – Yohan Cheret</b> Université d’Angers <i>Metal organic frameworks based on metal-bis(dithiolene) ligands</i>
9h35–9h50	<b>OC27 – Enrico Salvadori</b> Università degli Studi di Torino <i>Interfacial coordination chemistry of single transition metal ions on surfaces</i>
<b>Session 12 – Chair: Stéphane Bellemin-Laponnaz</b>	
9h50–10h25	<b>KL11 – Clément Camp (DCC Junior Prize)</b> Université Claude Bernard Lyon 1 <i>Cooperative heterobimetallic reactivity: From molecules to catalytic materials</i>
10h25–10h55	<b>Coffee Break</b>
<b>Session 13 – Chair: Vincent César</b>	
10h55–11h10	<b>OC28 – Chloé Blais</b> Université de Rennes & INSA Rennes <i>Thermodynamic study of shaping in solution of lanthanide-based coordination polymers</i>

First French-Italian Coordination Chemistry days (JCC2024)  
Strasbourg, 24–26 January 2024

11h10–11h25	<b>OC29 – Silvia Ruggieri</b> Università degli Studi di Verona <i>NIR-CPL active Yb(III) complexes bearing both central and axial chirality</i>
11h25–11h40	<b>OC30 – Karoly Kozma</b> Université Paris-Saclay <i>Tuning chaotropicity: chaotropic properties of <math>\{P_2W_{15}MO_3\}</math> for rare earth element recognition</i>
11h40–11h55	<b>OC31 – Mina Mazzeo</b> Università di Salerno <i>Zinc catalysts for the synthesis and chemical depolymerization of aliphatic polyesters; a contribute to the circular economy of bioplastics</i>
11h55–12h30	<b>KL12 – Blanca Martin-Vaca</b> Université de Toulouse 3 Paul Sabatier <i>Development of a non-innocent platform for metal-ligand cooperative catalysis with group 10 metals</i>
12h30–12h45	<b>Closing remarks and Awards ceremony</b>

## POSTER CONTRIBUTIONS

- P1 – Carmen Antuña-Hörlein** (Université de Strasbourg & CNRS)  
*Cobaltacycles for C-H bond activation under oxidative conditions*
- P2 – Djamila Azrou** (Université Paris-Saclay)  
*New weakly coordinating anions of type  $[In(OTeF_5)_4(THF)_2]^+$  and  $[In(OTeF_5)_6]^{3-}$*
- P3 – Lavinia Ballerini** (Université de Strasbourg & CNRS)  
*Binuclear copper(I) complexes for near-infrared light-emitting electrochemical cells*
- P4 – Mathilde Berthe** (Université de Strasbourg & CNRS)  
*A new water-soluble supramolecular complex for O<sub>2</sub> reduction*
- P5 – Andrea Biffis** (Università degli Studi di Padova)  
*Tailored synthesis of mixed-ligand molecular gold nanoclusters*
- P6 – Matteo Boniburini** (Università di Modena e Reggio Emilia)  
*Constrained HBED derivatives: a potential class of chelating agents for clinical imaging applications*
- P7 – Mathilde Bouché** (Université de Lorraine & CNRS)  
*Iron-based complexes: modulating their chemical structure for understanding their cellular fate with photoacoustic imaging*
- P8 – Stéphane Brandès** (Université de Bourgogne & CNRS)  
*Intercomparison study of DGT devices with dihydroxamate-based binding gels for uranium(VI) sampling in freshwater*
- P9 – Laureen Busson** (École Polytechnique & CNRS)  
*Cobalt, iron and nickel complexes bearing iminophosphorane ligands as catalyst for the hydrosilylation of carbonyles*
- P10 – Jaison Casas** (Université de Strasbourg & CNRS)  
*Multidimensional coordination polymers based on the alloxazine core: properties and applications*
- P11 – Vincent César** (LCC – Université de Toulouse & CNRS)  
*A photocatalytic approach for the synthesis of L-shape bicyclic NHC ligands*
- P12 – Jean-Claude Chambron** (Université de Strasbourg & CNRS)  
*Organoplatinum-bridged cyclotribenzylene dimers*
- P13 – Oscar Charpentier** (Université de Strasbourg & CNRS)  
*Synthesis and study of redox-active bioinspired molecular units for electron transfer and energy storage*
- P14 – Luisa D'Anna** (Università degli Studi di Palermo)  
*Asymmetric salphen metal complexes as viral G-quadruplex stabilizer: synthesis, characterization, and interaction profile*



**P15 – Florence Dumarçay** (Université de Lorraine & CNRS)

*Design of photoactive macrocycles: new phototherapy tools for the control of infectious diseases*

**P16 – Caitlyn Dussart** (Université de Strasbourg & CNRS)

*Chiral supramolecular assembly based on Cu<sup>II</sup>/Cu<sup>I</sup> redox change*

**P17 – Léon Escomel** (LCC – Université de Toulouse & CNRS)

*Coordination of Al(C<sub>6</sub>F<sub>5</sub>)<sub>3</sub> vs B(C<sub>6</sub>F<sub>5</sub>)<sub>3</sub> on group 6 end-on dinitrogen complexes: chemical and structural divergences*

**P18 – Alessandra Esposito** (Università degli Studi di Napoli “Federico II”)

*Artificial heme-enzymes for the development of sustainable functional materials*

**P19 – Francesco Fagnani** (Università degli Studi di Milano)

*Highly phosphorescent N<sup>+</sup>C<sup>-</sup>N-Pt(II) complexes: synthesis, functionalization and application*

**P20 – Zhenghan Feng** (Université de Strasbourg & CNRS)

*Supramolecular metallopolymeric gels photo-responsive under visible light*

**P21 – Patricia Fernández de Larrinoa** (Université de Strasbourg & CNRS)

*Synthesis and delivery of N-heterocyclic carbene platinum complexes for the treatment of glioblastoma*

**P22 – Marcello Gennari** (Université Grenoble Alpes & CNRS)

*Switching between ligand-centered to metal-centered redox activity in acridine/ane-pincer cobalt complexes*

**P23 – Valerio Giuso** (Université de Strasbourg & CNRS)

*A stable and true-blue emissive hexacoordinate Si(IV) N-heterocyclic carbene complex and its use in OLEDs*

**P24 – Christophe Gourlaouen** (Université de Strasbourg & CNRS)

*Optical properties of biphenyl Au(III) complexes with phosphine ancillary ligands*

**P25 – Sabrina Grenda** (Université Claude Bernard Lyon 1 & CNRS)

*Functionalized borazines by nitroxide radicals: new ligands for the design of molecule-based magnets*

**P26 – Mariia Hruzd** (Université de Strasbourg & CNRS)

*Reduction of ketones by thio-NHC manganese(I) catalysts*

**P27 – Antoine Jacob-Villedieu** (Université Aix-Marseille & CNRS)

*Nickel complexes for hydrogen oxidation and production without overvoltage*

**P28 – Katalin Selmecezi** (Université de Lorraine & CNRS)

*Evolution of copper(II) coordination sphere formed of N-alkylated cyclams with 1,2,3-triazole pendants - effect of heterocyclic unit*

**P29 – Yassine Khadiri** (Université de Lille & CNRS, Université Euro-Méditerranéenne de Fès)

*HKUST-1 and CPO-27 (Co)-based porous microspheres: Innovative composite materials for environmental applications*

**P30 – Vincenzo Langellotti** (Università degli Studi di Napoli “Federico II”)

*Study of the esterification of levulinic acid with 1,6-hexanediol promoted by Zn(II) catalysts*

**P31 – Christophe Lescop** (Université de Rennes & CNRS)

*Stimuli-sensitive luminescent multimetallic Cu(I) assemblies bearing very unusual bridging aqua ligands*

**P32 – Benjamin Louis** (Université Grenoble-Alpes & CNRS, CEA)

*Design of novel catalysts bearing s-heptazine-based ligand for electrocatalytic CO<sub>2</sub> reduction reaction*

**P33 – Lorenzo Luciani** (Università di Camerino)

*Group 11 CTCs based materials: solution and solid state studies and potential applications*

**P34 – Maria Ludovica Macchia** (Università del Piemonte Orientale “A. Avogadro”)

*Novel Fe(III)-based MRI diagnostic probes as a sustainable alternative to the current use of Gd(III) complexes*

**P35 – Alceo Macchioni** (Università degli Studi di Perugia)

*NADH regeneration with HP(O)(OH)<sub>2</sub> catalysed by iridium pyridine-2-sulfonamidate complexes*

**P36 – Matteo Mari** (Università di Modena e Reggio Emilia)

*Development of coumarin-no<sub>3</sub>py derivatives for theranostic applications in nuclear medicine*

**P37 – Victoria Mechrouk** (Université de Strasbourg & CNRS)

*Sulfur-functionalized N-heterocyclic carbene complexes of Ru(II): coordination mode & catalytic activity*

**P38 – Gabrielle Mpacko Priso** (Université Paris-Saclay & CNRS)

*Clustering six electrons within “dawson-like” polyoxometalate*

**P39 – Katrin Pelzer** (Université de Strasbourg & CNRS)

*Confining cavity-shaped ligands for the selective metal-catalyzed oligomerization of ethylene*

**P40 – Elisa Peroni** (CY Cergy Paris Université & CNRS)

*New Au(I)NHC-peptide conjugates for a potential targeted anticancer therapy*

**P41 – David-Jérôme Pham** (Université de Strasbourg & CNRS)

*A chiral [2 + 3] covalent organic cage based on 2,2'-BINOL units*

**P42 – Alberto Piccoli** (Université Grenoble-Alpes & CNRS, CEA)

*Ni<sup>II</sup> PNP-pincer complex as CO<sub>2</sub>RR electrocatalyst*

- P43 – Nataliya Plyuta** (Université d'Angers & CNRS)  
*Functional ligands based on 2,1,3-benzothiadiazole for luminescent and magnetic complexes*
- P44 – Francesco Ravera** (Università degli Studi di Padova)  
*Cationic gold catalysis enhanced by ionic liquid media: a convenient system for direct hydroarylation of alkynes*
- P45 – Jingjing Ren** (Sorbonne Université & CNRS)  
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