

PROGRAMME | JCO 2025 | 29 - 31 OCTOBER 2025

WEDNESDAY 29 OCTOBER

08:00	Registration
09:00 - 09:30	Opening Ceremony Arnaud VOITURIEZ, President of the DCO - Kees VAN DER BEEK, Director of Research at the Ecole Polytechnique Frédéric LEROUX, CNRS Chimie - Gilberte CHAMBAUD, President of the SCF <i>Chair: Arnaud VOITURIEZ</i>
09:30 - 10:15	PL1 Ben L. FERINGA - University of Groningen, THE NETHERLANDS <i>Sponsored by Sanofi</i> <i>From molecular switches to motors</i>
10:15 - 10:45	IL1 Zhiwei ZUO - Shanghai Institute of Organic Chemistry, CHINA <i>LMCT Catalysis for selective functionalizations of strong bonds</i>
10:45 - 11:00	Flash communication exhibitors 1
11:00 - 11:40	Coffee Break <i>Chair: Yann TROLEZ</i>
11:40 - 12:25	PL2 Laurence GRIMAUD - ENS Paris, FRANCE <i>Merging Electrochemical Activation, Mechanistic Insight, and Machine Learning for Next-Generation Synthesis</i>
12:25 - 12:45	Flash communication exhibitors 2
12:45 - 14:15	Lunch <i>Chair: Cyril OLLIVIER</i>
14:15 - 15:00	PL3 Ohyun KWON - University of California Los Angeles, USA <i>Synthesis through CC Bond Scission</i>
15:00 - 17:15	Oral Communications session #1

	ORAL COMMUNICATIONS SESSION #1A	ORAL COMMUNICATIONS SESSION #1B	ORAL COMMUNICATIONS SESSION #1C
	AMPHITHÉÂTRE POINCARÉ <i>Chair: Vincent COEFFARD - Gaëlle BLOND</i>	AMPHITHÉÂTRE ARAGO <i>Chair: Angélique FERRY - Erica BENEDETTI</i>	AMPHITHÉÂTRE GAY-LUSSAC <i>Chair: Cyril OLLIVIER - Stellios ARSENIYADIS</i>
15:00	OC01 Cassandra QUINTON One reaction, six nano hoops: Unravelling the origins of unexpected structural diversity	OC11 Gaël TRAN Synergistic Nickel/LMCT catalysis: A powerful strategy for cross-coupling of feedstock chemicals	OC21 Lucile CLUZEAU Metal-Free Upcycling of Polyethylene into Reactive Platforms Through Direct and Selective Nitrosation and Carbonylation
15:13	OC02 Rahma GHAZALI Skeletal Editing of Azetines	OC12 Diana DEAIBESS Divergent Reactivity of Nitrostyrene Derivatives With Supramolecular Helical Catalysts	OC22 Anna ABRAMOVA Extending Bioorthogonal Chemistry to Natural Oxylipins: A Tri-Functional Probe for 4-F4t-Neuroprostane

15:26	OC03 Bastien CHAMPCIAUX Silylium based asymmetric synthesis of endoperoxides directed by chiral counteranions	OC13 Théo BISSONNIER Synthesis of Diamines via Selective Catalytic C-H Amination	OC23 Clara TESTARD ¹¹ C labelling of mRNA for PET imaging of new vaccines and therapies
15:39	OC04 Diana LAMAA N-Tosylhydrazones as Key Precursors for Visible-Light-Promoted C–N and C–C Bonds Formation	OC14 Ya-Qing HUANG Asymmetric [3,3]-Sigmatropic Rearrangements of Sulfoniums and Applications	OC24 Lou ROCARD Dynamic Cyclic Peptides for the Inhibition of Protein-Protein Interactions
15:52	OC05 Corentin BEDOUE Activation of small molecules thanks to non-metallic radical complexes	OC15 Lamine SAADI Catalytic Alkoxysilylation of C–H Bonds Using Novel Alkoxysilyldiazene	OC25 Mélanie SEBASTIEN Synthesis and optimization of novel peptidomimetics derivatives inhibiting the efflux pumps of <i>Pseudomonas aeruginosa</i>
16:05	OC06 Thomas DEFUENTES Development of O-H and N-H insertions on O-protected α -diazo- β -hydroxy esters	OC16 Camille GADONA Rare Ketose Synthesis from Glycolaldehyde by C2 Elongation of Aldoses Catalyzed by Transketolase Variants	OC26 Chloe BRETON-PATIENT Targeting SARS-CoV-2 Main protease: Synthesis of epoxyazepinoindole derivatives as potential inhibitors
16:18	OC07 Pauline ADLER Catalytic approach for amide coupling for the synthesis of peptide-oligonucleotide conjugates	OC17 Navod Angelo AMARATUNGA Exploring the applications of pyridazino-1,3a,6a-triazapentalenes (PyTAP) as photocatalysts	OC27 Méline ANTOINE Synthesis of acyclonucleosides fluoroalkenyl mimics
16:31	OC08 Biraveena SINNIHA KANDIAH Photocatalytic Construction of the Key Central Bond of the Tetrameric Alkaloid Alasmontamine A	OC18 Fanny MORVAN Well-defined iridium complexes containing chiral cyclic (alkyl)(amino)carbenes for asymmetric hydrogenation	OC28 Maria J. PUERTO MADORRAN Amphiphilic photocontrolled DNA delivery systems
16:44	OC09 Zélie FAUDEMÉR New phase transfer agents for fluorine-18 radiolabeling	OC19 Matthieu LAVAYSSIERE Harnessing extrusion forces for the thermo-mechanochemical synthesis of amides through Machine Learning	OC29 Pierre Nicolas BIZAT Towards the enzymatic labelling of oligonucleotides with triantennary N-acetyl galactosamine
16:57	OC10 Nicolas KERN Catalytic radical cascades driven by triple H-atom transfer	OC20 Josue Arturo LEDEZMA FIERRO From lignin degradation products to indanone building blocks	OC30 Sébastien BILLOTTE Photopharmacological tools with π -extended coumarins based on TAM kinase inhibitor UNC2025

17:15 - 17:30

Group Picture

17:30

Poster session #1 & Juice/Beer Break

THURSDAY 30 OCTOBER

09:00 - 09:45	<i>Chair: Adrien QUINTARD</i> PL4 Matthieu SOLLOGOUB - Sorbonne Université, FRANCE <i>Site-selective synthesis for biomimesis</i>
09:45 - 10:15	IL2 Nessa CARSON - AstraZeneca, UNITED KINGDOM <i>From experimentation to insights: Leveraging hardware and software automation in pharma development</i>
10:15 - 10:35	IL3 Lilian GENILLER Prix D. Surdin 2025 - Institut Charles Gerhardt Montpellier, FRANCE <i>Development of Photochemical Transformations by Halogen Atom Transfer (XAT) for Organic Synthesis</i>
10:35 - 10:55	Flash communication exhibitors 3
10:55 - 11:35	Coffee Break
11:35 - 12:05	<i>Chair: Frédéric LAMATY</i> IL4 Clément GHIAZZA Prix M JULIA 2025 - Institut Lavoisier de Versailles - UVSQ/U. Paris Saclay, FRANCE <i>Rebirth of 1,2-Diazepines: Improved protocol and reactivity</i>
12:05 - 12:50	PL5 Hiroaki SUGA - The University of Tokyo, JAPAN <i>De Novo Pseudo-Natural Peptides and Products</i>
12:50 - 14:30	Lunch
14:30 - 15:15	<i>Chair: Stellios ARSENIYADIS</i> PL6 John F. HARTWIG - University of California Berkeley, USA Sponsored by Activation <i>Laboratory Metal-Catalyzed Organic Chemistry in a Protein...within a Cell...and within Artificial Biosynthesis</i>
15:15 - 17:30	Oral Communications session #2

	ORAL COMMUNICATIONS SESSION #2A	ORAL COMMUNICATIONS SESSION #2B	ORAL COMMUNICATIONS SESSION #2C
	AMPHITHÉÂTRE POINCARÉ <i>Chair: Adrien QUINTARD - Frédéric LAMATY</i>	AMPHITHÉÂTRE ARAGO <i>Chair: Erica BENEDETTI - Gaëlle BLOND</i>	AMPHITHÉÂTRE GAY-LUSSAC <i>Chair: Stéphanie NORSIKIAN – Guillaume VIVES</i>
15:15	OC31 Morgane MANDO Synthesis of 1,3-bis-trifluoromethylated-(hetero) cyclohexane-2-carboxylates	OC41 Romain MELOT An Electrochemical Study of Catalytically Relevant Gold Complexes	OC51 Jordan LEHOUX Total Synthesis and Analysis of Phenolic Phytosteranes
15:28	OC32 Marc BUSICCHIA Cycloadditions of 5 Vinyloxazolidine-2,4-diones: A Straightforward access to the (Thio)hydantoin Scaffold	OC42 François GENEVOIS Towards New Organic Posolytes Based on Imidazolium Cores	OC52 Dania DAOU Not going back: Unidirectional movement by intramolecular one-way ratcheting of functionalized cyclodextrin

15:41	OC33 Illia RUZHYLO Light-Driven Synthesis of Diversely Substituted Indoles	OC43 Chaimae JBILOU Development of Pyrroloquinolone-Based Push-Pull Fluorescent Dyes	OC53 Louise BURELLER Functionalization of the BODIPYs allowing integration into MOFs by different pathways
15:54	OC34 Rémi PEREIRA Catalytic synthesis of highly functionalized chiral polycyclic compounds bearing quaternary stereocenters	OC44 Félix MANDELAIRE σ C–O bond cleavage and protodecarboxylation of formates	OC54 Antoine GAMET Total synthesis of latrunculin B photoswitches and their application in actin chemical biology
16:07	OC35 Virgile ROUFFETEAU ML-guided Electrochemical Isocyanides-based Csp ² -H carbamoylation of arenes	OC45 Lukmonjon MUTALLIEV Silicon-Assisted Sustainable Gold(I)-Catalysis	OC55 Yohan GISBERT Intramolecular Mechanics with Motors: Coupling Rotation to Selective Helicene Inversion
16:20	OC36 Pandidurai SOLAI Organocatalyzed Enantioselective Synthesis of N and S- Containing Chiral Heterocyclic Compounds	OC46 Basile WEYL Heterogeneous Photocatalysis in Flow for Applications in Organic Synthesis	OC56 Iris SANCHEZ Tuning of photophysical and chiroptical properties by encapsulation inside a hydrogen-bonded cavity
16:33	OC37 Arthur BAUDEMENT Spirocyclisation and Subsequent Dyotropic rearrangement: A Sequential Route to the Synthesis of Exotines Scaffold	OC47 Vanessa DELAHAYE B2pin2-mediated Ligand Deprotonation Enables Selective Iridium-catalyzed C-H Borylations Revealed by Click Ligands	OC57 Elisa COLL Bioinspired Total Syntheses of Indole Alkaloids: Spirocyclic Assembly of Pseudo-Dimeric Oligomers
16:46	OC38 Tingting FENG Electrochemical Synthesis of Allenyl Silanes and Allenyl Boronic Esters	OC48 Romain LOSA Toward fluorine-free weakly coordinating borate anions for lithium-ion batteries, ionic liquids and catalysis	OC58 Oscar CHARPENTIER Synthesis and optoelectronic properties of original pyrano-carbazole based chiral structures
16:59	OC39 Abdelati NAGHIM Controlling Multiple Stereogenicity in Diaryl Ethers	OC49 Kun-Long SONG Dication disulfuranes as photoactivatable sources of radical organocatalysts	OC59 Mainak DAS Harnessing Conformational Dynamics to Tune π -Magnetism in Flexible Macrocyclic
17:12	OC40 Chao ZHOU Kinetic Resolution of Heterocyclic Lactams by a Photocatalytic Cobalt-Catalyzed Dehydrogenation	OC50 Abdul Halim OBEID Low-coordinate Iron(II)-Complex for Catalytic Alkene Isomerization via Two-state Reactivity	OC60 Yoann COTELLE Electron Deficient Hemicyptophanes: From Anion- π Interactions to Functional Receptors

17:30

Poster session #2 & Juice/Beer Break

FRIDAY 31 OCTOBER

- 09:00 - 09:45** Chair: Morgan DONNARD
PL7 | Tatiana BESSET Prix JM Lehn 2025 - CARMen Institute, FRANCE *Sponsored by Sanofi*
Unveiling Routes to Fluorinated Molecules
- 09:45 - 10:30** **PL8** | Edward ANDERSON - University of Oxford, UNITED KINGDOM
Thiophene S,S-dioxides as Tools for Asymmetric Synthesis
- 10:30 - 11:10** Coffee Break
- Chair: Abderrahmane AMGOUNE
- 11:10 - 11:40** **IL5** | Anat MILO - Ben-Gurion University of the Negev, ISRAEL
Data Science Strategies in Organocatalysis
- 11:40 - 12:25** **PL9** | Sophie ROUSSEAU - University of Toronto, CANADA *Sponsored by Minakem*
Photochemical approaches for the synthesis of highly functionalized cyclopropanols
- 12:25 - 14:00** Lunch
- Chair: Sami LAKHDAR
- 14:00 - 14:30** **IL6** | Cornelia MEINERT - CNRS - Université Côte d'Azur, FRANCE
Interstellar molecules and their stereochemistry: Implications for prebiotic organic chemistry
- 14:30 - 15:15** **PL10** | Thorsten BACH - Technische Universität München, GERMANY
Enantioselective Catalysis in the Excited State
- 15:15 - 15:45** Chair: Angélique FERRY
Poster & oral communication awards *Sponsored by Syngenta, euroAPI, Servier, ChemistryEurope*
- 15:45** Closing ceremony