

3RD FRENCH SUPRAMOLECULAR
CHEMISTRY CONGRESS



May 15-17, 2024

PROGRAM

Wednesday 15th

8:00 Registration

9:00 Opening remarks

Session 1

Chair: M. Sollogoub

9:15	Hanadi Sleiman <i>DNA Nanostructures: From Design to Function</i>	PL-1
10:00	Jonathon Beves <i>Switchable catalysis within molecular cages</i>	SC-1
10:05	Lisa Gourdon-Grünewald <i>DNA mimic foldamers: Tools for Targeting Protein-DNA Interactions</i>	SC-2
10:10	Yannick Geiger <i>Competitive exclusion in self-replicating fibres</i>	SC-3
10:15	Interchim	exhibitor
10:20	Magritek	exhibitor
10:25	Alexandre Martinez <i>Recent developments in the chemistry of hemicryptophane cages: from recognition to confined catalysis.</i>	KN-1
10:50	coffee break	

Session 2

Chair: C. Fave

11:20	Fabien Cougnon <i>Foldaknots</i>	OC-1
11:35	Emmanuelle Dubost <i>Design and synthesis of molecular hosts cryptophanes- application in imaging</i>	SC-4
11:40	Igor Koshevoy <i>Aggregation of platinum luminophores: from stimuli-responsive emission to through space sensitization</i>	SC-5
11:45	Karen De La Vega Hernández <i>Investing in Entropy: The Strategy of Cucurbit[n]urils to Accelerate the Intramolecular Diels-Alder Cycloaddition Reaction of Tertiary Furfuryl Amines</i>	SC-6
11:50	Pablo Msellem <i>Molecular tweezers for multifunctional switchable organogels</i>	SC-7
11:55	Noël Pairault <i>Design of Rotaxane-based Molecular Machines for Regulation of Dynamic Photon Up-conversion</i>	SC-8
12:00	Amparo Ruiz Carretero <i>Small, chiral and self-assembled molecules: the new recipe for supramolecular electronics</i>	KN-2
12:25	lunch break & posters session (odd numbers)	



Wednesday 15th

Session 3

Chair: G. Izzet

14:15	Steve Goldup <i>Mechanically Chiral Molecules: Synthesis and Applications</i>	KN-3
14:40	Charlie Mcternan <i>Metal-Peptidic Cages - Helical Oligoprolines Generate Highly Anisotropic Nanospaces with Emergent Isomer Control</i>	OC-2
14:55	Stéphane Le Gac <i>Parallel Chirality Inductions in Möbius Zn(II) Hexaphyrin Transformation Networks</i>	OC-3
15:10	Hennie Valkenier-Van Dijk <i>Synthetic transmembrane transporters for phosphates</i>	OC-4
15:25	Henri-Pierre Jacquot De Rouville <i>Multi-Responsive Acridinium Supramolecular Systems: An Increasing Complexity</i>	OC-5
15:40	Helena Roithmeyer <i>Multifunctional macrocyclic host-modified electrodes for electrocatalysis over a wide pH range</i>	OC-6
15:55	coffee break	

Session 4

Chair: B. Colasson

16:20	Claire Kammerer <i>Design and synthesis of molecular cogwheels for on-surface intermolecular gearing</i>	KN-4
16:45	Titouan Chetot <i>Switching dynamic covalent reactions of CO₂ capture using host-guest chemistry</i>	SC-9
16:50	Greta Fogar <i>Bis-porphyrin metallacycles: the role of the metal fragment</i>	SC-10
16:55	Maxime Roger <i>Self-Assembly and Mixed-Valence Species of Pentannulated BisAzaCoronene Diimide</i>	SC-11
17:00	Laura Bickerton <i>Mechanistic Insights into High Activity Cage Catalysis</i>	SC-12
17:05	Geoffrey Gros Lambert <i>In search of elusive species: the paramagnetic pimers of viologens</i>	SC-13
17:10	Sébastien Berruée <i>Tuning self-assembly of hydrophilic polymers in water through an aromatic supramolecular structure directing unit (SSDU)</i>	SC-14
17:15	Leonard Prins <i>Towards active matter: chemical energy to assemble high-energy molecular structures</i>	KN-5
17:40	end of the session	

Thursday 16th

Session 5

Chair: L. Sosa Vargas

9:00	Paolo Samori <i>Chemical and physical sensing with low-dimensional nanostructures: the disruptive power of supramolecular chemistry</i>	PL-2
9:45	Charalampos Pappas <i>Phosphate-Driven Systems Chemistry</i>	OC-7
10:00	Shaymaa Al Shehimi <i>Endergonic adaptive behavior upon fueling of dynamic covalent networks</i>	SC-15
10:05	Ben Pilgrim <i>Structural transformations of metal-organic cages through tetrazine-alkene reactivity</i>	SC-16
10:10	Véolia	exhibitor
10:15	Serlabo	exhibitor
10:20	Elicityl	exhibitor
10:25	Sophie Beeren <i>Enzyme-Mediated Dynamic Combinatorial Chemistry</i>	KN-6
10:50	coffee break	

Session 6

Chair: M. Ménand

11:20	Patrice Woisel <i>Thermoresponsive polymers and host-guest chemistry: a win-win combination</i>	OC-8
11:35	Sercan Akbaba <i>Controlled Activation of Supramolecular Catalysts via Chemical and Electrochemical Redox-Switching</i>	SC-17
11:40	Hasnaa El Said El Sayed <i>Light-responsive self-assembly of semi-conducting nanoplatelets</i>	SC-18
11:45	Emilien Husson <i>Tuning the spectroscopic properties of merocyanines through hybridization of foldamers</i>	SC-19
11:50	Rajaa Benchouaia <i>Toward new cryptophane analogs: synthesis and encapsulation properties of an unprecedented water-soluble azacryptophane</i>	SC-20
11:55	Kevin Mall Haidaraly <i>Self-organized mesomorph Donor-Acceptor Hybrid material: from molecular design to device performances</i>	SC-21
12:00	Emmanuel Cadot <i>Chaotropic effect as an assembly motif in polyoxometalate supramolecular chemistry</i>	KN-7
12:25	lunch break & posters (even numbers)	

Thursday 16th

Session 7

Chair: S. Vidal

14:15	Ghislaine Vantomme <i>Synthesis and assembly of light-responsive supramolecular nanostructures: A step toward adaptive materials</i>	KN-8
14:40	Rebecca Churamani <i>Architecture modulation by structural modification of cyclodextrins co-assembling with DNA</i>	OC-9
14:55	David Leboeuf <i>Macrolactonization Enabled by Supramolecular Interactions</i>	OC-10
15:10	Jessica Groppi <i>Orthogonal Stimuli Responsive Tri-stable Rotaxanes</i>	OC-11
15:25	Sander Wezenberg <i>Control of Transmembrane Transport by Photoswitchable Molecular Tweezers</i>	OC-12
15:40	Payel Khanra <i>Pathway complexity in supramolecular polymerization: significance in block co-polymerization and enzyme inhibition</i>	OC-13
15:55	coffee break	

Session 8

Chair: B. Hasenknopf

16:20	Yann Trolez <i>Threading a linear molecule through a macrocycle thanks to boron: an access to highly emissive compounds</i>	OC-14
16:35	Fahmi Himo <i>Modeling Amine Methylation in Methyl Ester Cavitand</i>	OC-15
16:50	Jennifer Bou Zeid <i>Cage to cage conversion controlled by redox stimulation</i>	OC-16
17:05	Luisa De Cola TBA	PL-3
17:50	end of the session	

Friday 17th

Session 9

Chair: M. Raynal

9:00	Dean Toste <i>Supramolecular Hosts as Enzyme Mimics</i>	PL-4
9:45	Anthony Kermagoret <i>Internal dynamics in responsive 3:2 cb[n] complexes</i>	OC-17
10:00	Lydia Sosa Vargas <i>Functional patterning of graphene via an all-supramolecular strategy</i>	OC-18
10:15	Vicente Martí-Centelles <i>A molecular trojan horse: encapsulating drugs within cages for targeted delivery in cancer</i>	OC-19
10:30	Reiko Oda <i>Nanometric inorganic helices for chiral induction, crystallization, amplification and recognition</i>	KN-9
10:55	coffee break	

Session 10

Chair: G. Vives

11:20	David Gonzalez Rodriguez <i>Molecular encapsulation within tubular supramolecular polymers</i>	OC-20
11:35	Ran Chen <i>Switchable supramolecular helices for asymmetric stereodivergent catalysis</i>	OC-21
11:50	Iwona Nierengarten <i>Solution and solvent-free stopper exchange reactions for the preparation of pillar[5]arene-containing [2] and [3]rotaxanes</i>	OC-22
12:05	Guido Clever <i>From Heteroleptic Coordination Cages to Complex Molecular Systems</i>	KN-10
12:30	Prizes and closing remarks <i>Short comm. awards sponsored by Activation</i> <i>Posters awards sponsored by Chemical Reviews</i>	
12:50	end of the congress	