

DETAILED PROGRAM

Wednesday, January 24, 2024 - 1/2

12h00



Registration

13h00 - 13h20

Opening ceremony

13h20 - 14h05

Chairs: Florence MAHUTEAU-BETZER / Sébastien GOUIN

PL1 | **Andrey KLYMCHENKO** - Université de Strasbourg, France

Fluorescent molecular and supramolecular probes for biosensing and bioimaging

14h05 - 14h20

Short communications

SC1 | **Alejandra VALE GOMEZ** - University of Santiago de Compostela, Spain

Intracellular uncaging of drugs by the combined action of metal catalysts and enzymes

14h20 - 14h35

SC2 | **Ander MAGUREGUI** - University of Edinburgh, United Kingdom

Metabolic Glycan Cell-Labeling for Tracking T-cell Infiltration and Activation within a Glioblastoma Multiform Tumour Model

14h35 - 14h50

SC3 | **Lina EL HAJJI** - Sorbonne Université, Paris, France

Engineering near-infrared fluorescent chemogenetic reporters for imaging and sensing processes in living cells and organisms

14h50 - 15h10

Chairs: Chair: Anne IMBERTY / Michael SMIETANA

Oral communications

OC1 | **Richard WOMBACHER** - Max-Planck-Institute for Medical Research, Heidelberg, Germany

A chemical inducer of proximity to control protein networks in vivo

15h10 - 15h30

OC2 | **Maria DUCA** - Université Côte d'Azur, Nice, France

Design and synthesis of original chemical probes for the validation of type I toxin-antitoxin systems as antimicrobial targets

15h30 - 15h50

OC3 | **Chayasith UTTAMAPINANT** - Institute of Science and Technology, Rayong, Thailand

Engineering sustainable resources for CRISPR-based diagnosis of infectious diseases

15h50 - 16h15

Chair: Marie LOPEZ


EX1-7 | Exhibitor presentation (7 x 3 min) -

16h15 - 16h45



Coffee break

Wednesday, January 24, 2024 - 2/2

16h45 - 17h05	<p><i>Chairs: Chairs: Dominique URBAN / Wadih GHATTAS</i> <i>Oral communications</i> OC4 Célia BONNET - Centre de Biophysique Moléculaire, CNRS - Orléans, France <i>Zinc detection by Magnetic Resonance Imaging: from rational design to in vivo applications</i></p>
17h05 - 17h25	<p>OC5 Cliff STAINS - University of Virginia, Charlottesville, United States <i>Improved Dyes for Near-Infrared Fluorescence and Photoacoustic Imaging Applications</i></p>
17h25 - 17h45	<p>OC6 Sarah HOSTACHY - Université Grenoble Alpes, Grenoble, France <i>Chemical biology approaches to investigate metal-protein interactions</i></p>
17h45 - 18h30	<p><i>Chair: Ruben RAGG</i> PL2 Andrea RENTMEISTER - Chemistry Europe Lecture - University of Münster, Germany <i>Harnessing the Power of Click Chemistry and Light to Unlock the Secrets of mRNA</i></p>
18h30 - 20h30	<p>PO1  Poster Session (odd numbers) and Wine and Cheese (and Vegetables and Juices)</p>
20h30	<p>End of Day</p>



Thursday, January 25, 2024 - 1/2

8h45 - 9h30	<p><i>Chairs: Dominique GUIANVARC'H / Arnaud CHEVALIER</i></p> <p>PL3 Jennifer KOHLER - University of Texas Southwestern Medical Center, United States <i>Fucosylated receptors for cholera toxin</i></p>
9h30 - 9h50	<p><i>Oral communications</i></p> <p>OC7 Sébastien DEPIENNE - SCF-ChemBio PhD Thesis Award - Nantes Université, France <i>Development of a tyrosine-selective electro-bioconjugation methodology to label proteins and cell surfaces</i></p>
9h50 - 10h10	<p>OC8 David BONNAFFE - Université Paris-Saclay, Orsay, France <i>Aqueous "repairing conditions" thiol-ene for late stage fonctionnalization of synthetic oligosaccharides to decipher HIV-gp120/polyanion interactions</i></p>
10h10 - 10h30	<p>OC9 Astrid WALRANT - Sorbonne Université, Paris, France <i>Structural bases for the involvement of PI(4,5)P2 in the internalization of the cell-penetrating peptide Penetratin</i></p>
10h30 - 10h50	<p>OC10 Rémi PELLETIER - Université de Strasbourg, France <i>Fluorogenic dimers as bright switchable probes for membrane imaging</i></p>
10h50 - 11h15	<p> Coffee break</p>
11h15 - 12h00	<p><i>Chairs: Agnès DELMAS / Andrés KOTSCHY</i></p> <p>PL4 José Luis MASCARENAS - Universidade de Santiago de Compostela, Spain <i>Metal-Mediated Abiotic Reactions in Biological Environments</i></p>
12h00 - 12h45	<p>PL5 Gilles GUICHARD - Université de Bordeaux, France <i>Protein Structure Mimics to Disrupt Protein Interactions</i></p>
12h45 - 14h40	<p> Lunch</p>
13h45 - 14h30	<p><i>Chairs: Delphine JOSEPH / Frédéric TARAN</i></p> <p>W1 Workshop - ERC - Christine COURILLON - European Research Council Executive Agency, Belgium <i>ERC Individual and Synergy Grants</i></p>
14h40 - 15h10	<p><i>Industrial session</i></p> <p>PI1 Wesley BLACKABY - Institut de Recherche & Développement Servier Paris-Saclay, France <i>Chemical Biology applications and collaborations at Servier</i></p>
15h10 - 15h40	<p>PI2 Kirsten McAULAY - University of Dundee, Scotland, United Kingdom <i>It's degrading. Learnings from a screening campaign</i></p>
15h40 - 16h10	<p>PI3 Marc ROBILLARD - Tagworks Pharmaceuticals, The Netherlands <i>Click-to-Release: from on-target activation to off-target deactivation</i></p>
16h10 - 16h40	<p> Coffee break</p>

Thursday, January 25, 2024 - 2/2

16h40 - 17h05	Chair: Yung-Sing WONG Exhibitor presentation (7 x 3 min) - EX8-14
17h05 - 17h20	Chairs: Sébastien PAPOT / Yves BLÉRIOT <i>Short communications</i> SC4 Morgane BAUDOIN - Université Grenoble Alpes, Grenoble, France <i>Cross-links in the bacterial cell wall of Streptococcus pneumoniae by incorporation of precursors of peptidoglycan and teichoic acids</i>
17h20 - 17h35	SC5 Alvaro LOPEZ-SANCHEZ - Sorbonne Université, Paris, France <i>Development of dual-action Pt(IV)-Mn(II) prodrugs for enhanced antitumor activity and reduced neurotoxicity</i>
17h35 - 17h50	SC6 Clémence SIMON - Université de Lille, France <i>Organelle-specific photoactivation combined with isotope labeling to follow phosphatidylethanolamine metabolism</i>
17h50 - 18h35	PL6 Olalla VAZQUEZ - ICBS Lecture - Marburg University, Germany <i>Light & Peptides – Triggering Biological Response</i>
18h35 - 20h35	PO2  Poster Session (even numbers) and Beer and Charcuterie (and Vegetables and Juices)
20h35	End of Day



Friday, January 26, 2024 - 1/2

8h45 - 9h30	<p>Chairs: Daniela VERGA / Marie LOPEZ</p> <p>PL7 Michal HOCEK - IOCB Prague and Charles University, Czech Republic <i>Base-Modified or Hypermodified Nucleic Acids for Chemical Biology</i></p>
9h30 - 9h50	<p><i>Oral communications</i></p> <p>OC11 Sandrine PIGUEL - Université Paris-Saclay, Orsay, France <i>Photopharmacology and cancer: towards light-controlled small molecules inhibitors targeting TAM kinase</i></p>
9h50 - 10h10	<p>OC12 Sebastien VIDAL - Institut de Chimie des Substances Naturelles, CNRS - Gif-sur-Yvette, France <i>A general strategy to the intracellular sensing of glycosidases using AIE-based glycoclusters</i></p>
10h10 - 10h30	<p>OC13 Marie-Edith GOURDEL - Hybrigenics Services - Evry-Coucouronnes, France <i>Unraveling the proteome and ubiquitin pathways by chemically induced proximity</i></p>
10h30 - 10h50	<p>OC14 Carlo PIFFERI - Centre de Biophysique Moléculaire, CNRS - Orléans, France <i>N-terminal cysteine as minimalistic handle for dual, site-selective bioconjugation: case study on an anti-HER2 affibody</i></p>
10h50 - 11h15	<p> Coffee break</p>
11h15 - 11h30	<p>Chairs: Pierre-Yves RENARD / Elisabetta MILEO</p> <p><i>Short communications</i></p> <p>SC7 Eléonore TACKE - Institut de Chimie des Substances Naturelles, CNRS - Gif-sur-Yvette, France <i>Unprecedented perspectives on the application of CinNapht fluorophores obtained by a "late-stage" functionalization strategy</i></p>
11h30 - 11h45	<p>SC8 Andreas WIEST - Ludwig-Maximilians-Universität - Munich, Germany <i>Cu-catalyzed azide-alkyne-thiol reaction forms ubiquitous background in chemical proteomic studies</i></p>
11h45 - 12h00	<p>SC9 Julie GILBERT - Université de Montpellier, France <i>Multifunctional inhibitors to target epigenetic mechanisms involved in cancer</i></p>
12h00 - 12h45	<p>PL8 Sandrine SAGAN - Sorbonne Université, Paris, France <i>Ins and outs of bio-inspired peptide-based delivery systems – A journey with cell-penetrating peptides</i></p>
12h45 - 14h25	<p> Lunch</p>

Friday, January 26, 2024 - 2/2

13h45 - 14h15	<p>Chairs: Nadège LUBIN-GERMAIN / Kévin CARIOU</p> <p>W2 Workshop - Chemistry Europe - Ruben RAGG - Chemistry Europe, Weinheim, Germany <i>Getting Published in 2024 and Beyond: How to Adapt to a Rapidly Changing Publication Landscape</i></p>
14h25 - 14h45	<p><i>Oral communications</i></p> <p>OC15 Thais GAZZI - Roche - Basel, Switzerland <i>Development of a Highly Selective NanoBRET Probe to Access MAGL Inhibition in Living Cells</i></p>
14h45 - 15h05	<p>OC16 Kevin RENAULT - Institut Curie - Orsay, France <i>Development of fluorogenic probes based on covalent assembly principle</i></p>
15h05 - 15h25	<p>OC17 Erica BENEDETTI - Université Paris-Cité, Paris, France <i>[2.2]Paracyclophane-based 3D ligand for RNA recognition: tuning selectivity through scaffold hopping</i></p>
15h25 - 16h10	<p>PL9 David VOCADLO - Simon Fraser University, Canada <i>Chemical biology tools for probing and perturbing carbohydrate processing enzymes in mammalian systems</i></p>
16h10 - 16h30	<p>Closing ceremony and Awards</p> <p>Poster Awards : Hybrigenics Services - ACS Chemical Biology - RSC Chemical Biology RSC Medicinal Chemistry - RSC Pharmaceuticals</p> <p>Short communication Award : ICSN</p>
16h30	<p>End of the congress</p>