

57th ESBOC - ChemBioEurope

Chemical Biology in Europe

Monday 13th May 2024

14:30		<i>Introduction</i>
14:35 – 15:05	Plenary 1- Chris Willis (University of Bristol)	<i>Exploring and Exploiting Biocatalytic Cyclisations</i>
15:05 – 15:25	Adrian Sanchez-Fernandez (Universidade de Santiago de Compostela)	<i>Modulating protein folding and function through the compositional design of deep eutectic solvents</i>
15:55 – 16:15	Gareth Surman (University of Manchester)	<i>Ancestral Sequence Reconstruction To Unlock New Reactivities</i>
16:15 – 16:45	Plenary 2- Maja Köhn (University of Freiburg)	<i>Chemical biology approaches to study phosphatases</i>
16:45	Tea / Coffee	
16:45 – 17:15	Plenary 3 - Javier Montenegro (University of Santiago de Compostela)	<i>Supramolecular Dynamic Chemistry for Membrane Transport and Biomimetic Systems</i>
17:15 – 17:35	Mahri Park (University of Cambridge)	<i>Efficient semi-synthetic generation of peptide-containing Fc-fusion compounds</i>
17:35 – 17:55	Mélanie Etheve-Quelquejeu (Université Paris Cité)	<i>Synthesis of Bisubstrate Analogues for RNA Methylation Studies</i>
17:55 – 18:25	Plenary 4 - Lena Daumann (Heinrich-Heine-Universität Düsseldorf) The Chemistry Europe Lecture	<i>Similar but not the same: the essential role of lanthanides for bacteria</i>
19:30	Dinner	

Tuesday 24th May 2024

08:00		Breakfast
08:50 – 09:10	Louis Luk (Cardiff University)	<i>Synthesis of D-peptides for Mechanistic Analysis and Discovery of Binders in Natural Proteins</i>
09:10 – 09:30	Zhi Ming Cheng (University of Edinburgh)	<i>Enzyme-Activatable Near-Infrared Hemicyanines as Modular Scaffolds for in vivo Photodynamic Therapy</i>
09:30 – 10:00	Plenary 5 - Russell Cox (Leibniz University)	<i>One Step from Garbage: Total Synthesis and the Circular Economy</i>
10:00 – 10:20	Ewan Moody (University of Manchester)	<i>PCR-based biocatalytic platform for oligonucleotide synthesis</i>
10:20		Tea / Coffee
10:50 – 11:20	Plenary 6 - Megan Wright (University of Leeds)	<i>Targeting proteins in cells with covalent chemical probes</i>
11:20 – 11:40	Admir Salihovic (University of Strathclyde)	<i>Establishing a Chemoenzymatic Platform for the Synthesis of Nucleoside Analogues</i>
11:40 – 12:10	Plenary 7 - Anna Barnard (Imperial College London)	<i>Innovative Approaches to Targeting Protein-Protein Interactions</i>
12:10 – 12:30	Yu Wang (University College London)	<i>A Transaminase-Mediated Aldol Reaction and Applications in Cascades to Styryl Pyridines</i>
12:45	LUNCH	AFTERNOON FREE
16:00		Tea / Coffee
16:45 – 17:05	Jack Rowbotham (University of Manchester)	<i>Re-wiring biocatalysis for atom-efficient reductive and oxidative transformations</i>
17:05 – 17:25	Chloé Freyermuth (CNRS, CBMN)	<i>A chemical proteomic method to quantify protein S-acylation</i>
17:25 – 17:55	Plenary 8 - Thomas Carell (LMU München)	<i>Non-canonical nucleosides and the chemistry of our genetic system</i>
18:00 – 19:25		Poster Viewings
19:30		Dinner

Wednesday 15st May 2024

08:00		Breakfast
09:00 – 09:30	Plenary 9 - Vitor Pinheiro (KU Leuven)	<i>Hacking microcin discovery in vivo</i>
09:30 – 09:50	Christophe Biot (University of Lille)	<i>Probing Bacterial Glycomes: Tagging, Detection, and Illumination with Chemical Reporter Strategies</i>
09:50 – 10:10	Thomas Wharton (University of Cambridge)	<i>Unlocking Amides: A General Method for the Self-Immolative Release of Amide-Containing Molecules</i>
10:10		Tea / Coffee
10:40 – 11:10	Plenary 10 - Sébastien Guoin (Nantes University)	<i>Cell surfaces remodelling by tyrosine-click electrochemistry</i>
11:10 – 11:30	Lu Shin Wong (University of Manchester)	<i>Biocatalytic Oxidations for Analytical Chemistry, Synthesis and Desynthesis</i>
11:30 – 12:00	Plenary 11 - Laurence Mulard (Institut Pasteur, Paris)	<i>tbc</i>
12:00 – 12:20	Fabien Thoreau (Université Poitiers)	<i>Disulfide re-bridging and click chemistry - A nice wedding giving birth to innovative antibody formats</i>
12:20 – 12:25	<i>Conclusion</i>	
12:30		Lunch and Departure

Posters

Strategies for the Optimisation of Biomolecule Modification, Lawrence Collins, Frank Sobott, Stuart Warriner, Michael Webb

Creating a Light-Emitting Protein, Liam Du Ross, Neil R. Thomas, Jan Knight, John Hunt

Inositol Pyrophosphate Prometabolites: Delivery Systems for Highly Dense Phosphorylated Second Messengers for Photochemical in vivo Release, Nikolaus Jork, Henning J. Jessen

Delivery of Caged Magic Spot Nucleotides into Escherichia coli, Christoph Popp, Isabel Prucker, Henning J. Jessen

Detection and Quantification of Negative Charged Signal Molecules, Isabel Prucker, Esther Lange, Martin Milanov, Henning J. Jessen

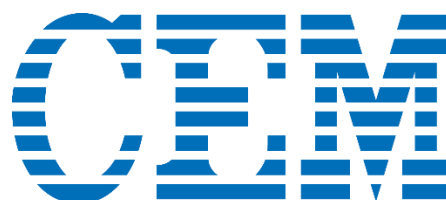
4/6-InsP7 – Rediscovery of an Old Friend in New Environment, Kevin Ritter, Henning J. Jessen

Homospermidine synthase facilitated N-cross coupling and applications in N-heterocycle synthesis, Joseph Sharratt, Sabine Flitsch

Exploring Aurora A kinase protein-protein interactions using peptide arrays, Martin Walko, Jennifer Miles, Vanda Gunning, Richard Bayliss, Megan Wright, Andrew J. Wilson

Photoaffinity Labelling using the Fungicide Mandipropamid as a Probe, Jacob Webb, Jack White, Corinna Schiano-di-Cola, Urvashi Thacker, John Sinclair, Tom Bennet, Michael Webb, Megan Wright,

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