

25-26 June 2024

nhow Hotel
Milan, Italy



www.iopc-tks.com

This section focuses on the International Oligonucleotides and Peptides Conference (IOPC) which will take place in Milan on 25-26 June, 2024, organized by Tks Publisher and event organiser. Hereafter you can find agenda, abstracts and list of posters to get an overview of the topics which will be covered this year.

AGENDA

Start time	End time	Title	Track	Speaker	Company
08:45	09:15	Welcome by TKS	Joint Session, oligonucleotides, peptides		
09:15	10:15	Plenary session: Past and future challenges related to process development and manufacturing of oligonucleotides and peptides	Joint Session, oligonucleotides, peptides	Lars Holmberg	PeptiSystems AB
10:15	10:40	Joint Oligos & Peptides Session: A systematic approach for MCSGP optimization	Joint Session, oligonucleotides, peptides	Thomas Müller-Späth	Chromacon
10:40	11:25	Coffee break			

Organised by

tks | Event organiser

PEPTIDES

Start time	End time	Title	Track	Speaker	Company
11:25	11:30	Welcome by chairpersons	Peptides	Sara Pellegrino, Alessandra Tolomelli	University of Milan - University of Bologna
11:30	11:55	Transfer for Manufacturing of Peptide APIs: navigating between technical, commercial and regulatory challenges	Peptides, discovery	Oleg Werbitzky	ALPHA LYNCIS
12:00	12:20	Peptide Synthesis Strategies for Production of Commercial GLP-1 Agonists	Peptides, discovery	Vera D'Aloisio	AmbioPharm, Inc.
12:25	12:50	5min short presentation	Peptides	Marina Sala, University of Salerno - Annalisa Chianese, University of Campania - Matic Kovačič, Slovenian NMR Centre - Saha Satvati, Center of Human Technologies, Istituto Italiano di Tecnologia - Michela Pesenti, University of Milan	
13:00	14:15	Lunch	Peptides		
14:15	14:40	A Novel Biochemical Platform for Efficient Peptide and Protein Production	Peptides, biotech	Christian Schwarz	Numaferm
14:45	15:10	Advancing the Boundaries of CEPS	Peptides, biotech	Leendert van den Bos	EnzyTag
15:15	15:40	Expanding the Universe of Noncanonical Amino Acids with Biocatalysis	Peptides, biotech	Tina Boville	Aralez Bio
15:40	16:20	Coffee break			
16:20	16:45	Fast flow peptide synthesis applications in high throughput and scale up	Peptides, manufacturing and sustainability	Victoire Laude	Vapourtec
16:50	17:10	Sustainable and Cost-Effectives Solutions for large scale peptide manufacturing	Peptides, manufacturing and sustainability	Olivier Ludemann-Hombourger	PolyPeptide Group
17:15	17:40	Photochemically-Enabled, Post-Translational Production of Therapeutic C-Terminal Amides	Peptides, manufacturing and sustainability	Felix Wojcik	Novo Nordisk
17:40	17:45	Take home message	Peptides	Sara Pellegrino, Alessandra Tolomelli	University of Milan - University of Bologna

PEPTIDES IN COSMETICS

Start time	End time	Title	Track	Speaker	Company
14:00	14:05	Welcome	Peptides in cosmetic	Sonia Laneri	University of Naples Federico II
14:05	14:45	Keynote: Unveiling the power of peptides in cosmetics	Peptides in cosmetic	Paola Perugini	University of Pavia
14:50	15:10	Past, Present and Future of Cosmetics Peptides	Peptides in cosmetic	Joan Attia	Lucas Meyer Cosmetics
15:15	15:35	New synthetic peptides with soothing and purifying action	Peptides in cosmetic	Rita Maria Di Lorenzo	University of Naples Federico II
15:40	16:15	Coffee break			
16:15	16:35	A new dimension for the discovery of the next generation of peptides	Peptides in cosmetic	Ariadna Grau	LipoTrue
16:40	17:00	Lipid submicron particles designed to deliver peptide to epidermis	Peptides in cosmetic	Renata Raffin	Croda Brasile
17:05	17:25	Biotech Beauty, Beyond the scenes of making Active Peptides	Peptides in cosmetic	Letteria Greco	Evonik
17:30	17:50	CMR free manufacturing of cosmetic peptides	Peptides in cosmetic	Sergey Burov	Cytomed JSC
17:50	18:00	Conclusion	Peptides in cosmetic	Sonia Laneri	University of Naples Federico II

OLIGONUCLEOTIDES

Start time	End time	Title	Track	Speaker	Company
11:25	11:30	Welcome by chairpersons	Oligonucleotides	Kathryn L. Ackley, Bruce Morimoto	Scientific Advisory Board of Chemistry Today - Alto Neuroscience, Inc
11:30	11:55	Biocompatible Artificial Backbones: A journey of mRNA adventures from modifying to destroying	Oligonucleotides, novel applications	Afaf El-Sagheer	Oxford University and Suez University
12:00	12:25	Studies of interactions between aptamers/antibodies and bacteria through direct and indirect analytical method	Oligonucleotides, novel applications	Juliette Nourry	DPM laboratory
12:30	12:55	5min short presentation	Oligonucleotides	Hyunsuk Jeong, The Catholic University of Korea - Wala Aburayan, University of Manchester - Massimo Verzini, Flamma Lab - Michael Kurczyk, AstraZeneca - Emily Robinson, AstraZeneca - Nicolas Chopin, Nucleosyn	
13:00	14:15	Lunch			
14:15	14:40	An overview of the oligonucleotide programme at CPI's Medicines Manufacturing Innovation Centre	Oligonucleotides, advances in oligo manufacturing	Claire McLeod	CPI
14:45	15:05	Therapeutic oligonucleotides & chromatography – what's new	Oligonucleotides, advances in oligo manufacturing	Patrick Endres	Tosoh Bioscience
15:10	15:35	European Pharma Oligonucleotide Consortium (EPOC)	Oligonucleotides, advances in oligo manufacturing	Nadim Akhtar	AstraZeneca
15:40	16:20	Coffee break			
16:20	16:45	Automated LC-MS Strategies for High-Throughput and Detailed Analysis of Oligonucleotides	Oligonucleotides, analysis & delivery	Mark Hail	Novatia LLC
16:50	17:10	Enhancing the Activity and Delivery of Oligonucleotide Therapeutics with Modified Phosphoramidites and Nucleotides	Oligonucleotides, analysis & delivery	Xavier Gerard	Thermo Fisher Scientific
17:15	17:40	TBD	Oligonucleotides, analysis & delivery	Jag Shur	RIGImmune
17:40	17:45	Take home message	Oligonucleotides	Kathryn L. Ackley, Bruce Morimoto	Scientific Advisory Board of Chemistry Today - Alto Neuroscience, Inc

SPONSORS

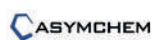
DIAMOND:



GOLD:



SILVER:



DAY 2 - JUNE 26

OLIGONUCLEOTIDES

Start time	End time	Title	Track	Speaker	Company
08:50	09:00	Welcome and wrap up day 1	Oligonucleotides	Kathryn L. Ackley, Bruce Morimoto	Scientific Advisory Board of Chemistry Today - Alto Neuroscience, Inc
09:00	09:40	Strategies for Overcoming Challenges in the Development of Oligonucleotide Therapeutics	Oligonucleotides, advances in Oligo Chemistry	Hagen Cramer	QurAlis
09:45	10:05	Advances in Subcellular measurements of oligonucleotides and peptides with the CAMECA NanoSIMS	Oligonucleotides, advances in Oligo Chemistry	Aurélien Thomen	CAMECA's NanoSIMS
10:10	10:35	Novel phosphoramidite linkers for the synthesis of oligonucleotide conjugates	Oligonucleotides, advances in Oligo Chemistry	Sritama Bose	Nucleic Acid Therapy Accelerator (NATA)
10:40	11:25	Coffee break	Oligonucleotides		
11:30	11:55	Targeting Transferrin Receptor to Transport Antisense Oligonucleotides Across the Blood-Brain Barrier	Oligonucleotides, discovery	Matthew Simon	Denali Therapeutics
12:00	12:20	Chromatography techniques for oligonucleotides purification	Oligonucleotides, discovery	Sophie Corbet	Dupont
12:25	12:55	Accelerating ASO Optimization through Humanized Preclinical Models on a Patient-based Platform	Oligonucleotides, discovery	Wen-Hsuan Chang	Acurastem
13:00	14:15	Lunch			
14:15	14:35	Accelerating your biotherapeutic workflows: from automated sample quality analysis to high-quality software solutions	Oligonucleotides, therapeutics	Holger Stalz, Claudia Scaccabarozzi	Agilent
14:35	15:00	Towards a Sustainable Future for Oligonucleotide Manufacture	Oligonucleotides, therapeutics	David Laffan	AlphaLyncis
15:00	15:25	Transforming Neurological Care: The Rise of Antisense Oligonucleotide Therapy	Oligonucleotides, therapeutics	Stefania Corti	University of Milan
15:25	15:50	Challenges and last advances to the development of therapeutics Oligonucleotide for the treatment Pulmonary diseases.	Oligonucleotides, therapeutics	Clement Paris	AstraZeneca
15:50	16:05	BEST POSTER AWARD	Oligonucleotides		
16:05	16:15	Conclusion	Oligonucleotides	Kathryn L. Ackley, Bruce Morimoto	Scientific Advisory Board of Chemistry Today - Alto Neuroscience, Inc

PEPTIDES

Start time	End time	Title	Track	Speaker	Company
08:50	09:00	Welcome and wrap up day 1	Peptides	Sara Pellegrino	University of Milan
09:00	09:40	Keynote: Strategies and Tactics for Sustainable Peptide Synthesis Development	Peptides, manufacturing and sustainability	Walter Cabri	Fresenius Kabi and University of Bologna
09:45	10:05	Evaluation of new technologies to achieve sustainable peptide synthesis	Peptides, manufacturing and sustainability	Hélène Adihou	Euroapi
10:10	10:35	Elimination of all Solvent Washing for Solid Phase Peptide Synthesis	Peptides, manufacturing and sustainability	Giorgio Marini	CEM
10:40	11:25	Coffee break			
11:30	11:55	Peptide-based molecular wires	Peptides, new frontiers	Marta De Zotti	University of Padova
12:00	12:25	From marine natural products to macrocyclic peptidomimetics	Peptides, new frontiers	Irene Izzo	University of Salerno
12:30	12:55	Small peptide aptamers: a game changing strategy for a sustainable agriculture	Peptides, new frontiers	Simona Masiero	University of Milan
13:00	14:15	Lunch			
14:15	14:35	TBD	Peptides, therapeutics	Connor Thomson	Sinopep
14:35	15:00	Stalking Elusive Pathogenic Bacteria: How to Dive into Cells to Treat Infections	Peptides, therapeutics	Jean Chmielewski	Purdue University
15:00	15:25	Substrate-Derived Sortase A Inhibitors: Targeting Antimicrobial Resistance	Peptides, therapeutics	Helal Abujubara	University of Gothenburg
15:25	15:50	Turning disordered proteins druggable with <i>Intrametics</i>	Peptides, therapeutics	Laura Nevola	IDP-Pharma
15:50	16:05	BEST POSTER AWARD	Peptides		
16:05	16:15	Conclusion	Peptides	Sara Pellegrino, Alessandra Tolomelli, Sonja Merkas	University of Milan - University of Bologna - Livinovea