



The **IOPC** is the leading event at the forefront of innovation, research, and novel developments

June 9-11, 2026
Athens, Greece

This section focuses on the International Oligonucleotides and Peptides Conference (IOPC) which is taking place in Athens (Greece) on 9-11 June, 2026, organized by Tks Publisher and event organiser. Hereafter you can find agenda, abstracts and list of posters to get an overview of the topics that are going to be covered this year



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the agenda

AGENDA

June 9

START - END	SESSION	TITLE	SPEAKER	COMPANY
13:30 - 14:00	Registration	Pick up your badge		
14:00 - 14:10	Welcome & Introduction			TKS
14:10 - 14:40		Predicted tetra-peptide matrikines: activities against diverse cultured cell types and ex vivo skin	Michael Sherratt	Manchester University
14:40 - 15:10		Retinoid-Like Transcriptomic Programming by Myristoyl Nonapeptide-3	Maria Reichenbach	Symrise
15:10 - 15:40		Nature's Strongest Thread: The First Spider-Silk-Inspired Peptide Proven to Strengthen Both Skin and Hair	Ariadna Grau Campistany	Lipotrue
15:40 - 16:10		Peptides from Paeonia suffruticosa cell cultures : natural Alternative to Retinoids with ECM-Boosting and Barrier-Preserving Benefits	Annalisa Tito	Arterra Bioscience
16:10 - 16:40		Preclinical Safety and Efficacy Evaluation of a Bioactive Cosmetic Peptide Delivered via Nanocarrier-Based Topical Systems	Souravh Bais	Rayat Institute of Pharmacy
16:40 - 17:00	COFFEE BREAK			

Plenary session

START - END	SESSION	TITLE	SPEAKER	COMPANY
17:00 - 17:45	Plenary lecture	Trityls: 45 Years of Innovation and Continuing Evolution in Peptide and Oligonucleotide Synthesis	Kleomenis Barlos	University of Patras
17:45 - 18:00	Chemistry Today Award			
18:00 - 18:45	Award lecture	Living in the World of RNA Therapeutics: Past, Present and Future	Muthiah (Mano) Manoharan	Alnylam Pharmaceuticals
18:45 - 20:00	WELCOME DRINK			

START	END	SESSION	TITLE	SPEAKER	COMPANY
08:50	09:00	Welcome		Sritama Bose, Hagen Kramer, Sonja Merkas	
09:00	09:40	Keynote	Development of Next Generation siRNA Manufacturing Process	Roumen Radinov	Alnylam
09:40	10:10	CMC	Enzymatic strategies for oligonucleotide therapeutic manufacturing	Jill Caswell	Almac
10:10	10:40	CMC	Enhancing the Sustainability of Oligonucleotide Manufacturing through Solvent Reuse	Fabrizio Palumbo	CPI
10:40	11:20	COFFEE BREAK	Posters and exhibition		
11:20	11:50	CMC	siRNA sequencing: Comparison of available technologies	Ruven Jilly	Biospring
11:50	12:20	CMC	Process Validation	Chris Oswald	Consultant
12:20	12:35		Optimization of Anion Exchange Chromatography for the Purification of (modified) Oligonucleotides	Elena Kumm	Tosoh Bioscience
12:35	13:00	Short presentations	Negin Gooran, University of Turku · Beatrice Trucchi, Flamma Group · Johanne Mbianda, GenScript		
13:00	14:15	LUNCH	Posters and exhibition		
14:15	14:45	Preclinical	CRISPR-powered discovery of long non-coding rna therapeutics in cancer	Michela Coan	UCD
14:45	15:15	Preclinical	Oligonucleotide Therapeutics for Bleeding Disorders	Christian Winiger; Raja Prince	Microsynth & BLEEDnFIRE
15:15	15:45	Preclinical	Leveraging the BROTHERS ^(TM) oligonucleotide platform for an unmet neurological need in Gaucher diseases	Tsuyoshi Yamamoto	Liid Pharmaceuticals
15:45	16:00		Therapeutic Nucleic Acids: Building Innovation through Strategic Collaboration	Tobias Pöhlmann	Network for Therapeutic Nucleic Acids
15:55	16:35	COFFEE BREAK	Posters and exhibition		
16:35	17:05	Chemistry	Chemistry, Design and Dynamics of Novel Splice Switching Antisense Oligonucleotides	Rakesh N Veedu	Murdoch University, Syngenis
17:05	17:35	Chemistry	Covalently Functionalized DNA Oligonucleotides as a Platform for Hybrid Asymmetric Catalysis	Zeynep Kanlidere	Acibadem University
17:35	18:05	Chemistry	A comprehensive platform for well-defined Antibody-Oligonucleotide conjugates	Thomas Rupp, Steffi Stephen	Axolabs
18:05	18:10	Conclusions		Sritama Bose, Hagen Kramer, Sonja Merkas	
19:00		NETWORKING event		Separate fee Applies	

START	END	SESSION	TITLE	SPEAKER	COMPANY
08:50	09:00	Welcome		Fernando Albericio, Bruce Morimoto, Sara Pellegrino, Alessandra Tolomelli	
09:00	09:40	Keynote	The Infinite Loop: ML for Discovery, Delivery, and Rapid Manufacturing of Potential Medicines	Bradley Pentelute	MIT
09:45	10:15	Synthesis	From Peptides to Peptide Nucleic Acids: Pushing the Boundaries of Greener Synthesis.	Lucia Ferrazzano	University of Bologna
10:20	10:35		PolyPeptide Key Technology Enablers to Speed up IND & Early Clinical Trials	Francesco Terzani	PolyPeptide
10:35	11:20	COFFEE BREAK	Posters and exhibition		
11:25	11:55	Synthesis	Fully Automated Liquid Phase Peptide Synthesis as a Tool to Accelerate Process Development	Adrian Amador	Snapdragon Chemistry, a Cambrex company
12:00	12:15		Workflow Innovations in Peptide Synthesis and Purification	Giorgio Marini	CEM Corporation
12:20	12:45	Short presentations	Michela Pesenti, University of Milan · Marta De Zotti, University of Padova · Manuel Loos, Ludwig-Maximilians-Universität		
13:00	14:15	LUNCH	Posters and exhibition		
14:15	14:55	Keynote	Creating Cyclic Peptides and Proteins Inside Living Cells for Functional Peptide Discovery	Jody Mason	University of Bath
14:55	15:25	Novel chemistries	Generative AI in peptide discovery	Daniela Kalafatovic	University of Rijeka
15:25	15:55	Novel chemistries	Peptide–matrix interactions shape oral bioactivity	Cesar Roque	São Paulo State University
15:55	16:35	COFFEE BREAK	Posters and exhibition		
16:35	17:05	Purification	Emerging and continuous drying process for peptides	Laurine Rio	Fluid Air
17:05	17:35	Purification	Dynamic Process Control and Use of Green Solvents in Continuous Chromatography (MCSGP)	Thomas Müller-Späth	ChromaCon AG, a YMC company
17:35	18:05	Purification	Enhancing Peptide Manufacturing Through Multicolumn Countercurrent Solvent Gradient Purification: A Case Study on GLP-1 analogs	Itay Liron	TAPI
18:05	18:10	Conclusions		Fernando Albericio, Bruce Morimoto, Sara Pellegrino, Alessandra Tolomelli	
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START	END	SESSION	TITLE	SPEAKER	COMPANY
08:50	09:00	Welcome and wrap up day 1		Sritama Bose, Hagen Kramer, Sonja Merkas	
09:00	09:30	New developments	From Molecular Interactions to Clinical Intelligence: Integrating Biophysics and AI-Driven Analytics in RNA Therapeutics	Alice Ghidini	First Ascent, Independent Consultant
09:30	10:00	Drug development	Building the Chemistry Engine Behind ADAR: Engineering the Phosphoros Backbone with Scalable and Safer Chemistries for Next-Generation ASOs	Juergen Müller	AiRNA Bio Germany GmbH
10:00	10:30	Drug development	Smart catalytic peptidyl oligonucleotide conjugates for selective inhibition of oncogenic microRNA-155 in triple negative breast cancer	Walaa Aburayan	King Abdulaziz City for Science and Technology (KACST)
10:30	10:45		HiXCap™: Cap Analogs Rationally Designed for Immune Evasion and Translational Efficiency in mRNA Therapeutics	Lena Preuss	Hongene Biotech
10:45	11:20	COFFEE BREAK	Posters and exhibition		
11:20	11:50	Drug development	Advancing siRNA Therapeutics for Cardiovascular and Renal Diseases: Progress and Future Directions	Felix Gnerlich	Ribocure
11:55	12:25	Delivery	xPhore peptide-based platform for extrahepatic delivery of therapeutic nucleic acids	Covadonga Paneda	Altamira Therapeutics
12:30	13:00	Delivery	Modulating brain-expressed genes via trans-nasal short siRNAs and mRNAs	Fabio Macciardi	Cognigenics
13:00	14:15	LUNCH	Posters and exhibition		
14:15	14:30	BEST POSTER AWARD			
14:35	15:15	Keynote: Oligonucleotides & Peptides applications	The Good & Lucky (Pep)Tides	Thomas Meier	Medios AG
15:20	15:50	Joint session Oligonucleotides & Peptides applications	SORT1-Mediated Delivery of siRNA to the Central Nervous System	Dave Garman	ProteinQure
15:50	16:20		Nucleoamino Acids And Nucleopeptides: Exploring Their Nucleic Acid Binding Ability And Self-Assembling Properties	Domenica Musumeci	Federico II University of Naples
16:20	16:50		Janus Peptide Nucleic Acids for Multiple Gene Silencing and Inhibition of pre-micro-RNA	Professor Ganesh	SERB
16:50	17:00	Conclusions			

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09:00	09:40	Keynote	Combining cyclotides and mRNA display for the discovery of potent and stable bioactive lead peptides	David Craik	The University of Queensland
09:45	10:15	From Upstream to Downstream	Peptide Synthesis at a Crossroads: Redefinition Through Sustainability and Innovation	Fernando Albericio	University of KwaZulu-Natal
10:20	10:35		GLP-1 receptor agonist purification combining polymeric and silica reverse phase media	Sophie Corbet	Dupont
10:45	11:20	COFFEE BREAK	Posters and exhibition		
11:20	11:50	Therapeutics	Upcycling Soybean Okara Proteins into 3D Printable Bioactive Peptide-Enhanced PCL	Carmen Lammi	University of Milan
11:55	12:10		Innovative cyclization and conjugation strategies in peptide drug discovery	Hong Li	Genscript
12:15	12:45	Therapeutics	Computational design of antimicrobial peptide nanopores	Robert Vacha	CEITEC Masaryk University
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