

# Program at-a-glance

## SUNDAY 20 AUGUST 2023

Room:

16:00 - 18:00 Registration

King  
Willem  
Alexander

17:30 - 19:30

WELCOME AND OPENING  
with Plenary Speaker Molly Stevens

PRIZES:  
IUPAC 2023 Distinguished Women in  
Chemistry or Chemical Engineering

IUPAC-SOLVAY International Award  
for Young Chemists 2020 - 2023

Chemistry Europe Award 2023

19:30 - 21:00

Welcome Reception

# MONDAY 21 AUGUST 2023

Track:	Room:	08:00   08:45	09:00 - 10:00 PLENARY SPEAKER Marc Koper	BREAK	10:20 - 11:20 Ryoji Noyori ACES Award Symposium		BREAK		BREAK	17:00 - 18:00 PLENARY SPEAKER Jennifer Thomson	20.00 - 00.00 CHEMISTRY PUBQUIZ @ O'Caseys'
HEALTH	King Willem Alexander	Regi- stration		BREAK	10:20 - 11:50 PARALLEL SESSION 1: Glycochemistry	POSTERS EXHIBITION LUNCH	13:20 - 14:50 PARALLEL SESSION 3: Peptide and Protein Chemistry	15:10 - 16:40 FOCUS SESSION 4: Addressing Antibiotic Resistance - the Silent Pandemic	BREAK		
	Atlantic				PARALLEL SESSION 2: Biomaterials 1		PARALLEL SESSION 4: Computational Methods in Drug Discovery	FOCUS SESSION 12: Targeting Toxic Proteins for Detection and Destruction			
Yangtze 1 & 2	PARALLEL SESSION 18: Advances in Mechanistic Insight				PARALLEL SESSION 20: Heterogeneous Catalysis		FOCUS SESSION 14: Electrocatalysis and the Synthesis of High-value Chemicals				
SUSTAINABI- LITY	Amazon				PARALLEL SESSION 19: Chemistry Related to Sustainability 1		PARALLEL SESSION 21: Homogeneous Catalysis	FOCUS SESSION 62: A Sustainable Planet and Society			
	Everest 1 & 2				SOFT SKILL WORKSHOP		SOFT SKILL WORKSHOP	SOFT SKILL WORKSHOP			
YOUNG PROGRAM	Asia				SOFT SKILL WORKSHOP		SOFT SKILL WORKSHOP	SOFT SKILL WORKSHOP			
	Africa				MEET & GREET		MEET & GREET	MEET & GREET			
	Antarctica				10:20 - 12:05 PARALLEL SESSION 35: Chemistry and AI		13:35 - 14:50 PARALLEL SESSION 37: Electrochemistry	15:10 - 16:40 FOCUS SESSION 3: Sensing at the Frontiers: Perspectives from Chemistry and Digitization			
MOLECULAR FRONTIERS	Alexia				PARALLEL SESSION 36: Life-Like Materials		PARALLEL SESSION 38: Supramolecular Functional Complexity 1	FOCUS SESSION 59: Mechanochemical Applications for Sustainable Synthesis			
	Ariane				PARALLEL SESSION 52: Colloidal and Supramolecular Materials		PARALLEL SESSION 54: Materials for Smart Sensing and Actuating 1	FOCUS SESSION 44: Dynamical Molecular Systems for Brain-Inspired Computing			
SMART & ENERGY MATERIALS	Mississippi				PARALLEL SESSION 53: Materials for Energy Storage 1		PARALLEL SESSION 55: Materials for Photovoltaics and Energy Harvesting 1	FOCUS SESSION 54: Materials and Interfaces for Next-Generation Batteries			
	Kiliman- jaro				HISTORICAL SESSION Organized by Brigitte van Tiggelen		INDUSTRIAL SESSION	FOCUS SESSION 47: Systems Thinking as a Linchpin in Chemistry Education			
ETHICS, EDUCATION & SOCIETY	Oceania	PARALLEL SESSION 69: Green Chemistry & Sustainability in Education	PARALLEL SESSION 70: Lab learning/Student Engagement	FOCUS SESSION 27: Crafting an Ethical Framework for Global Chemistry							
	Europe 1 & 2										

Click [here](#) for  
tickets  
PUBQUIZ




# TUESDAY 22 AUGUST 2023

Track:	Room:	08:00   09:00	09:00 - 10:00 PLENARY SPEAKER Charlotte Williams	BREAK	12:20 - 13:05 PANEL DISCUSSION	BREAK	17:00 - 18:00 PLENARY SPEAKER Bartosz Grzybowski	19:00 - 00:00 CHEMISTRY PARTY @ Bleyenbergh			
HEALTH	King Willem Alexander	Regi- stration			POSTERS EXHIBITION LUNCH			click <a href="#">here</a> for 			
	Atlantic								10:20 - 11:50 PARALLEL SESSION 5 Biology At, Across and Within Membranes	13:20 - 14:50 PARALLEL SESSION 7 Protein Modifications and Activity-Based Protein Profiling	15:10 - 16:40 FOCUS SESSION 35 Toward the Next-Generation of Macrocyclic-Peptide Therapeutics
Yangtze 1 & 2	PARALLEL SESSION 6 Visualizing Life: Novel Imaging Techniques in the Life Science								PARALLEL SESSION 8 Phase Separation in Cells	FOCUS SESSION 8 Are We Prepared for the Next Pandemic?	
SUSTAINA- BILITY	Amazon								PARALLEL SESSION 22 Environmental Science 1	PARALLEL SESSION 24 Polymer Re- and Upcycling	FOCUS SESSION 16/23 Prospects of CO2 Capture & Activation for a Circular Chemical Industry
	Everest 1 & 2								PARALLEL SESSION 23 Electrochemical Conversion 1	PARALLEL SESSION 25 Supramolecular Catalysis	FOCUS SESSION 40 Development of New Reaction Path- ways Towards Green Chemistry
YOUNG PROGRAM	Asia								SOFT SKILL WORKSHOP	SOFT SKILL WORKSHOP	SOFT SKILL WORKSHOP
	Africa								SOFT SKILL WORKSHOP	SOFT SKILL WORKSHOP	SOFT SKILL WORKSHOP
	Antarctica								MEET & GREET	MEET & GREET	MEET & GREET
MOLECULAR FRONTIERS	Alexia								10:20 - 12:05 PARALLEL SESSION 39 Origins of Life	13:35 - 14:50 PARALLEL SESSION 41 Interactive Materials	15:10 - 16:40 FOCUS SESSION 32/34 Bringing Supramolecular Materials to Life
	Ariane								PARALLEL SESSION 40 Chemistry and AI: Reaction Mechanics and Catalysts	PARALLEL SESSION 42 Supramolecular Functional Complexity 2	FOCUS SESSION 42 DNA Nanostructures in Biology
SMART & ENERGY MATERIALS	Mississippi	PARALLEL SESSION 56 Thermosensitive and Conductive Materials	PARALLEL SESSION 58 Materials for Energy Storage	FOCUS SESSION 31 Theory and Modelling of Perovskites for Energy Applications							
	Kiliman- jaro	PARALLEL SESSION 57 Materials for Smart Sensing and Actuating 2	PARALLEL SESSION 59 Materials for Photo- voltaics and Energy Harvesting 2	FOCUS SESSION 55 Electrical Energy Storage in Redox Flow Batteries: Molecules, Materials and Mechanisms							
ETHICS, EDUCATION & SOCIETY	Oceania	PRESIDENT'S FORUM (Invitation only)	INDUSTRIAL SESSION	FOCUS SESSION 26 Towards Responsible Use of Machine Learning in Chemistry							
	Europe 1 & 2	PARALLEL SESSION 71 Climate Change and Social Justice	PARALLEL SESSION 72 Secondary Chemistry Education	FOCUS SESSION 56 Women in Chemical Security and Safety							



# WEDNESDAY 23 AUGUST 2023

Track:	Room:						
	King Willem Alexander	08:00   09:00	09:00 - 10:00 PLENARY SPEAKER Nicola Spaldin	BREAK	10:20 - 11:50 PARALLEL SESSION 10 Structural Biology and Protein Design		
HEALTH	Atlantic	Regi- stration		BREAK	10:00 - 13:00 WORLD CHEMISTRY LEADERSHIP MEETING		14:00 - 18:00 COUNCIL MEETING (Invitation only)
	Yangtze 1 & 2				PARALLEL SESSION 9 Nucleic Acids	POSTERS EXHIBITION LUNCH	13:20 - 18:00 FREE TIME OR TECHNICAL TOURS  click <a href="#">here</a> for 
SUSTAINABILITY	Amazon				PARALLEL SESSION 26 Biocatalysis		
	Everest 1 & 2				PARALLEL SESSION 27 Chemistry Related to Sustainability 2		
YOUNG PROGRAM	Asia				SOFT SKILL WORKSHOP		
	Africa				SOFT SKILL WORKSHOP		
	Antarctica				MEET & GREET		
MOLECULAR FRONTIERS	Alexia				PARALLEL SESSION 43 Chemical Systems in Motion		
	Ariane				PARALLEL SESSION 44 Electrochemistry and Photoredox Chemistry		
SMART & ENERGY MATERIALS	Mississippi				PARALLEL SESSION 60 Materials for Energy Storage 3		
	Kilimanjaro	PARALLEL SESSION 61 Molecular Electronics, Metamaterials and Luminescent Molecules					
ETHICS, EDUCATION & SOCIETY	Oceania	PARALLEL SESSION 73 Digital learning					
	Europe 1 & 2	PARALLEL SESSION 74 Ethics of Emerging Technology: Communication, Replication of Science, and the Importance of Data					



# THURSDAY 24 AUGUST 2023

Track:	Room:	08:00   09:00	09:00 - 10:00	BREAK	10:20 - 12:05	12:20- 13:20	13:35 - 14:50	BREAK	15:10 - 16:40	BREAK	17:00 - 18:00	19.00 - 23.00	
	King Willem Alexander	Registration	VAN 'T HOFF LECTURE Hiroaki Suga		PARALLEL SESSION 12 Revolutionary Imaging Techniques for Studying Life at the Molecular and Cellular Level	PANEL DISCUSSION	PARALLEL SESSION 14 Synthetic Methods for Biologically Active Molecules		PARALLEL SESSION 15 Medicinal Chemistry		PLENARY SPEAKER Timothy Caulfield	GALA DINNER at the Grote Kerk	
HEALTH	Atlantic				COUNCIL MEETING (Invitation only)	POSTERS EXHIBITION LUNCH	COUNCIL MEETING (Invitation only)		COUNCIL MEETING (Invitation only)			click <a href="#">here</a> for tickets DINNER	
	Yangtze 1 & 2				10:20 - 11:50 PARALLEL SESSION 11 Antibiotics and Antivirals		13:20 - 14:50 PARALLEL SESSION 13 Photopharmacology, Photo-Dynamic Therapy, External Control		FOCUS SESSION 36 Design of protein cages				
SUSTAINABILITY	Amazon				FOCUS SESSION 21 New Plastics Circular by Design			PARALLEL SESSION 29 Mechanosynthesis		PARALLEL SESSION 31 Carbon Capture and Utilization			
	Everest 1 & 2				PARALLEL SESSION 28 Electrochemical Conversion 2			PARALLEL SESSION 30 Environmental Science 2		PARALLEL SESSION 32 Depolymerization and Green Polymers			
YOUNG PROGRAM	Asia				SOFT SKILL WORKSHOP			SOFT SKILL WORKSHOP		SOFT SKILL WORKSHOP			
	Africa				SOFT SKILL WORKSHOP			SOFT SKILL WORKSHOP		SOFT SKILL WORKSHOP			
	Antarctica				MEET & GREET			MEET & GREET		MEET & GREET			
MOLECULAR FRONTIERS	Alexia				10:20 - 12:05 PARALLEL SESSION 45 Supramolecular Functional Complexity 3			13:35 - 14:35 PARALLEL SESSION 47 Molecular Frontiers of Life		PARALLEL SESSION 49 Molecular Frontiers of Materials and Reactions			
	Ariane				PARALLEL SESSION 46 Molecular Computing			PARALLEL SESSION 48 Nanomedicine 1		FOCUS SESSION 39 Quantum Chemical (+ AI) Elucidation of Organic Reactivity			
SMART & ENERGY MATERIALS	Mississippi				PARALLEL SESSION 62 Advanced Thin Film Technology of Energy and Smart Materials			PARALLEL SESSION 64 Conducting Polymers and Flexible Electronics		PARALLEL SESSION 66 Materials for LED and Display Applications			
	Kilimanjaro				PARALLEL SESSION 63 Materials for Clean Hydrogen		PARALLEL SESSION 65 Porous Materials for Separation and Storage		FOCUS SESSION 52 Complex Metal Oxides for Energy Applications				
ETHICS, EDUCATION & SOCIETY	Oceania				INDUSTRIAL SESSION		INDUSTRIAL SESSION		PARALLEL SESSION 77 Ethics and Broader Contextualization of Chemistry Education				
	Europe 1 & 2				PARALLEL SESSION 75 Diversity and Inclusivity in Chemistry		PARALLEL SESSION 76 Environmental Ethics: Regulation; Pollution; Prevention and Remediation		FOCUS SESSION 28 Make the Good Choice! Ethics and Dual Use in Chemistry				



# FRIDAY 25 AUGUST 2023

Track:	Room:					
	King Willem Alexander	08:00   09:00		break	10:50 - 11:50 PLENARY SPEAKER Chad Mirkin	11:50 - 12:20 Closing Ceremony
HEALTH	Atlantic	Regi- stration	09:00 - 10:30 PARALLEL SESSION 16 Controlling, Imaging and Diagnosing Biological Systems			
	Yangtze 1 & 2		PARALLEL SESSION 17 Biomaterials 2			
SUSTAINABILITY	Amazon		PARALLEL SESSION 33 Sustainable Synthesis			
	Everest 1 & 2		PARALLEL SESSION 34 Biomass Conversion			
YOUNG PROGRAM	Asia		SOFT SKILL WORKSHOP			
	Africa		SOFT SKILL WORKSHOP			
	Antarctica		MEET & GREET			
MOLECULAR FRONTIERS	Alexia		PARALLEL SESSION 50 Automation and Robotics			
	Ariane		PARALLEL SESSION 51 Nanomedicine 2			
SMART & ENERGY MATERIALS	Mississippi		PARALLEL SESSION 67 Materials for Environmental Catalysis			
	Kilimanjaro	PARALLEL SESSION 68 Materials for Photovoltaics and Energy Harvesting 3				
ETHICS, EDUCATION & SOCIETY	Oceania	PARALLEL SESSION 78 Safe and Sustainable by Design in Chemistry				
	Europe 1 & 2	PARALLEL SESSION 79 Patents and Fair Economic and Social Development: Panel discussion				

