

## Programme

Programme information listed as of **3 May 2023**.





# **Programme** Contents

Contents	Page1
Welcome	Page 2
Colour Key Guide	Page 2
Day 1 – Sunday 2 July 2023	Page 2
Day 2 – Monday 3 July 2023	Page 3
Day 3 – Tuesday 4 July 2023	Page 4
Day 4 – Wednesday 5 July 2023	Page 5
Day 5 – Thursday 6 July 2023	Page 6
Day 6 – Friday 7 July 2023	Page 7
Scottish Event Campus Map	Page 8
Partners	Page 9

### Welcome

#### Welcome!

We are delighted to welcome you to Glasgow and the United Kingdom for the 19th World Congress of Basic and Clinical Pharmacology, jointly hosted by the British Pharmacological Society and the International Union of Basic and Clinical Pharmacology. Known for its rich history in pharmacology and scientific heritage, Glasgow is an ideal location for us to come together for this prestigious event.

We have an exciting programme lined up for the week, featuring nearly 500 speakers and chairs from 78 countries, each renowned for their expertise and leadership in pharmacology. Our scientific programme focuses on collaboration, innovation and discovery, and covers the full spectrum of pharmacology.

Alongside our symposia and keynote lectures, we have a full schedule of abstract presentations, interactive debates and social events. We hope that alongside the science, you will have a chance to network with friends and colleagues, as well as experience some of the art, culture, history and natural beauty available to enjoy in Scotland.

Once again, we extend a warm welcome to all our participants and look forward to a vibrant and engaging Congress.

With best wishes,



Professor David Webb President, WCP2023



Professor Amrita Ahluwalia Secretary-General, WCP2023

# Programme Colour Key Guide

Inflammation, Immunology & Infection

**Clinical Pharmacology** 

Neuropharmacology

**GPCRs** 

**Natural Products** 

Pharmacogenomics

Cardiovascular

**Safety Toxicology** 

**Education** 

**Drug Discovery/Development** 

Keynote/Plenary

**Sponsor Session** 

**Social Event** 

**Careers** 

Other

### Day 1 - Sunday 2 July 2023

Auditorium

Clyde

Page 2

Opening Ceremony

Hall 4

16.00 pm 17.00 pm

17.00 pm 18.00 pm Opening Plenary Lecture

The Grey matter of Sand and Sky. Dimensions of a Discipline for the 21st Century.

Professor Garret A.FitzGerald

21.00 pm Civic Reception

18.00 pm



Kindly supported by The Right Honourable Lord Provost and Glasgow City Council

8.30 am K 9.15 am N	Clyde Auditorium	Lomond Auditorium	Hall 1	M1	Fauth					GALA 1	Career	Innovation
				1411	Forth	Alsh	Boisdale	Carron	Dochart	and 2	Zone	Theatre
g cl A P	No time to wait:	KN02 Inflammation and depression Professor Ed Bullmore	KNO3 Liquid Biopsy: Establishing a new diagnostic concept in oncology Professor Klaus Pantel								Sessions all day	
9.20 am 9.45 am	Re	efreshment Break in Hall	ll 4		Refreshment	t Break in Hall 4		Refreshment B	Break in Hall 4			BOOTCAMP Careers -
S	<b>S01</b> Antibiotics: Solving the crisis	Targeting Inflammation in Infectious Diseases	Safety Pharmacology for the 21st Century –	Addressing the challenges in	SO5 Marine Natural Products	S06 Can platelet purinergic receptors be targeted	S07 Progress in geriatric pharmacology: improving drug	<b>W01</b> Accelerating Chemical Biology and early Drug	S61 IQVIA Symposium			biopharma
11.10 am 12.10 pm			approaches supporting safety and predictivity within drug discovery	pharmacology through academic- industrial collaboration	Pharmacology	to safely treat non-thrombotic diseases?	development, evaluation and use for our ageing population	Discovery by academic collaborative initiatives				Debate - 01 The Inter- dependence of Basic and Clinical Pharmacology From Benchside to Bedside and Back
12.10 pm 12.30pm												
13.00pm 13.30pm	Lur	ınch Break / Posters in Ha	all 4	Lunch Break / Posters in Hall 4				Lunch Break / Po	osters in Hall 4	Prescribing Training and Practice in Middle East and Gulf		ВСРТ
13.30pm 13.40pm	VVO /	MAC	woo							Cooperation Council		
14.30pm St th GI	Structural insights into the dynamic process of GPCR signaling	KN05 Heart failure therapeutics: The ultimate pharmacological success story? Professor John McMurray	receptors and brain maps Professor Katrin Amunts							Countries and the Case for Upskilling Prescribers		
14.40pm 15.40pm		Oral Communications			Oral Communic	cations		Oral Commi	unications			
15.40pm 16.05pm	Re	efreshment Break in Hal			Refreshment	t Break in Hall 4		Refreshment B	Break in Hall 4			
F fr	Space Medicine-The	<b>S09</b> Psychedelics in neuropsychiatric disorders	Drug discovery and development for Malaria	S11 Emerging role of NLRP3 inflammasome as a therapeutic target in cardiovascular and infectious diseases	S12 Pharmacogenomics in 2023: Big Studies, Big Results, Big Implications, Big Responsibilities	S13 Pharmacometric model informed drug development in infectious diseases	<b>S14</b> Trio Symposium	W02 Deprescribing for older people: International efforts to understand and improve efficacy, safety and implementation	W03 Professional Identity of the 21st Century Pharmacology Educator			
17.30pm 18.30pm												

				[	Day 3 – Tuesd	ay 4 July 202	3					Page 4
	Clyde Auditorium	Lomond Auditorium	Hall 1	M1	Forth	Alsh	Boisdale	Carron	Dochart	GALA 1 and 2	Career Zone	Innovation Theatre
7.15 am 8.15 am											Sessions all day	Bootcamp
	KN07 Pharmacogenomics, clinical pharmacology and clinical implementation – progress and barriers Professor Sir Munir Pirmohamed	KN08 Through the Looking Glass: G-proteins and their lessons for cell growth, survival and inflammation Professor Joan Heller Brown	KN09 Translating molecular insights in auto- immunity into effective therapy Professor Sir Marc Feldmann									
9.30 am 9.30 am 9.45 am	R	efreshment Break in Hal	ll <b>4</b>		Refreshment	Break in Hall 4		Refreshment Br	eak in Hall 4			Cambridge University Press
9.45 am 10.15 am	S60 UK Biobank Symposium	S15 The importance		S17 Drug development	<b>S18</b> Transcription	S19 HMGB1 and	S20 Resolution	S21 Paediatic	W04 Appraising			Repocell
10.15am 10.45am 10.30am		of interrogating sex differences in cardiovascular physiology	Products: from the chemical structure to the biological response	according to signaling diversities of G protein coupled	Factors and Drug Discovery	proteinases in inflammation and pain: possible	Pharmacology – new therapeutic approaches for	Pharmacology – From Molecule to Bedside	the Visibility, Relevance and Impacts			ASPET
11.00am 11.10am 12.10pm		and disease		receptors		druggable targets	the treatment of inflammatory diseases		of Clinical Pharmacology Globally			Debate - 02
12.10 pm												Clinical Decision Support - Saves Our Souls (CDS SOS)
12.10 pm 12.30 pm 12.30 pm 13.00 pm 13.05 pm 13.30 pm 13.30 pm 13.40 pm	Lu	nch Break / Posters in Ha		Lunch Break / I	Lunch Break / Pos			Meet the Editors BCPT				
13.40pm 14.30pm	KN10 Pharmacology: from chemicals to antibodies and back to chemicals? Sir Greg Winter	KN11 Toward the mysteries of sleep Professor Masashi Yanagisawa	KN12 Hemodynamic Regulation, Energy Metabolism and Vascular Homeostasis Professor Huang Yu									
14.30pm 15.15pm		Oral Communications			Oral Communi	ications		Oral Commu	nications	EPHAR meeting		Trio
15.15pm 15.40pm					orat commun	cacions		orat commu	ilications			
15.40pm 16.05pm		efreshment Break in Hal		cor		Break in Hall 4	400	Refreshment Br				
	Antibody Engineering of Drugs to New Treatments	S23 The Emerging Era of Membrane Protein Structural Biology and Pharmacology in India	S24 New Insights into Drug Hypersensitivity	S25 Genomic biomarkers in cancer therapy response	<b>S26</b> Pharmacology of personalised and targeted drugs	<b>S27</b> Mechanisms & Pharmacological Approaches to treat Intestinal Pain	S28 Advances in the pharmacology of relaxin-3 and related peptides	W05 Multidrug resistance in Cancer: Stratagem view and current	W06 What is the most important question			W07 New to Pharmacology Teaching? An Interactive
16.30pm 18.30pm		3,						challanges	to ask in early phase clinical drug development?			Workshop for Transitioning to a Career in Education

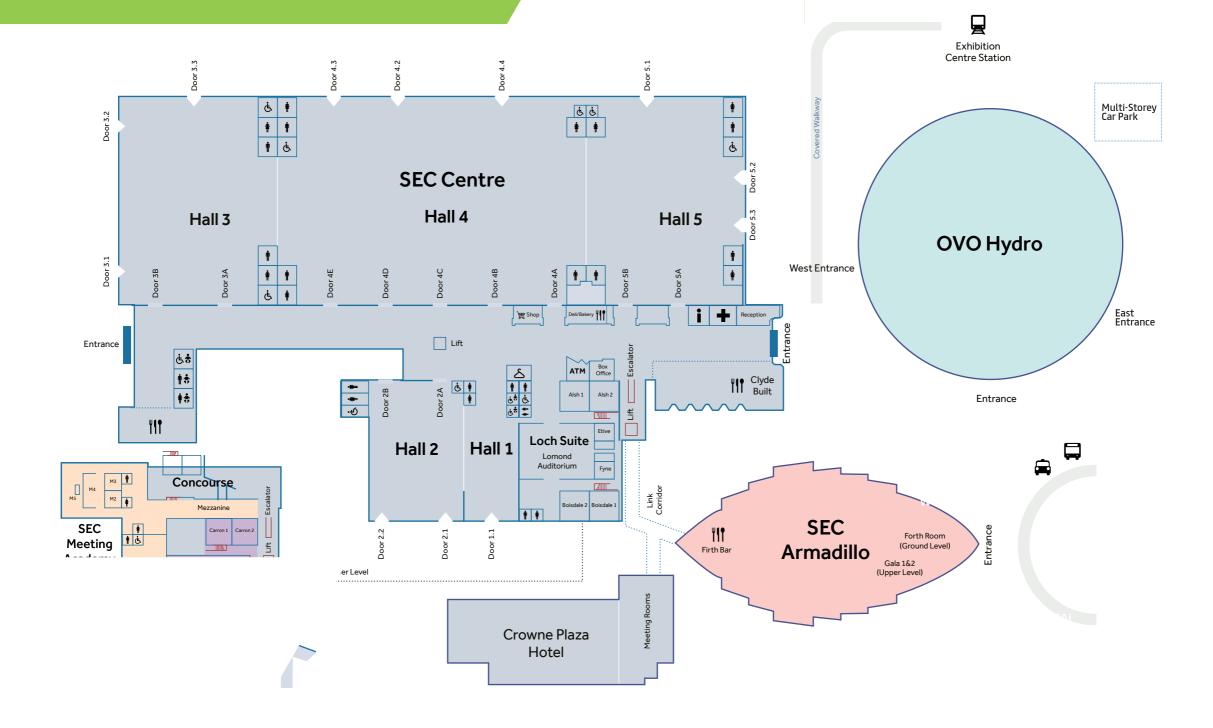
13.40pm											
	KN10 Pharmacology: from chemicals to antibodies and back to chemicals? Sir Greg Winter	KN11 Toward the mysteries of sleep Professor Masashi Yanagisawa	KN12 Hemodynamic Regulation, Energy Metabolism and Vascular Homeostasis Professor Huang Yu								
14.30pm 15.15pm		Oral Communications			01 5			Oral Commu		EPHAR meeting	Trio
15.15pm 15.40pm			Oral Communi	cations		Oral Commu	meeting				
15.40pm 16.05pm	R	Refreshment Break in Hall 4				Refreshment Br					
16.30pm 18.30pm	S22 Antibody Engineering of Drugs to New Treatments	S23 The Emerging Era of Membrane Protein Structural Biology and Pharmacology in India	<b>S24</b> New Insights into Drug Hypersensitivity	S25 Genomic biomarkers in cancer therapy response	S26 Pharmacology of personalised and targeted drugs	<b>S27</b> Mechanisms & Pharmacological Approaches to treat Intestinal Pain	S28 Advances in the pharmacology of relaxin-3 and related peptides	W05 Multidrug resistance in Cancer: Stratagem view and current challanges	W06 What is the most important question to ask in early phase clinical drug development?		W07 New to Pharmacology Teaching? An Interactive Workshop for Transitioning to a Career in Education
19.30pm 22.30pm		Ceilidh Evening		Ceilidh Evening Ce							

Day 4 – Wednesday 5 July 2023												Page 5
	Clyde Auditorium	Lomond Auditorium	Hall 1	M1	Forth	Alsh	Boisdale	Carron	Dochart	GALA 1 and 2	Career Zone	Innovation Theatre
8.30 am 9.15 am	KN13 The Legacy of COVID-19 and its vaccines Professor Sir Andrew Pollard	KN14 Harnessing big data for personalized medicine Professor Eran Segal	KN15 Transporters in drug development: From targets through regulation Professor Kathy Giacomini								Sessions all day	
9.20 am 9.45 am	Re	efreshment Break in Hal	ll 4		Refreshment		Refreshment Break in Hall 4				BOOTCAMP Careers -	
10.45am 11.10am	Rationale Use of Immunopharmacological	<b>S30</b> GPCRs in Addiction	<b>S31</b> Transporter mediated drug-drug interactions: translation into the	S32 Frontiers of novel drug targets in disease	S33 Neurodevelopmental disorders: potential therapeutic targets	Stress Signaling Nuclear Receptors in Cardiovascular	<b>S35</b> Mechanopharmacology	W08 Best Practice for Sex Inclusive Research	W09 What can modelling do for you? Rational			biopharma
11.10am 12.10am	Agents		clinics		and treatments	Health and Disease			design and interpretation of clinical studies integrating clinical knowledge with predictive tools			Debate - 03 Re-Imaginining Pharmacology Education: Closing The Global Educational Inequalities Gap
12.10 pm 12.30pm												
12.45pm 13.15pm	Lur	nch Break / Posters in Ha	all 4		Lunch Break / I	Lunch Break / Posters in Hall 4				ВСРТ		
13.15pm 13.30pm										Cambridge University Press		
13.30pm 14.00pm		<b>S37</b> Global strategy for	S38 Immunotherapy	<b>S39</b> Towards	<b>S40</b> Glycosphingolipids in	<b>W10</b> ERA4TB - Closing	W11 The WHO 3rd	<b>W12</b> CIOMS Guidance for				Lallemand
14.00pm 16.00pm	Pharmacology in Precision Medicine	accelerating the implementation of alternatives methods (3Rs) in the quality control of vaccines and other biologics	and its resistant and challenges	improvement of treatment of chronic pain by mechanism- based modelling approaches	neurodegeneration and viral infections	the gap between early bacterial activity and clinical cure	safety challenge "Medication without harm"	Medicines Safety	Symposium			W13 Emerging Innovations in Pharmacological Education
16.00pm 16.15pm 16.15pm 16.30pm	Re	efreshment Break in Hal	ll <b>4</b>	Refreshment Break in Hall 4				Refreshment Break in Hall 4				Boehringer Ingelheim
16.30pm 17.30pm	IUPHAR Analytical Pharmacology Lecture – Computational GPCR pharmacology Professor David Gloriam											
17.30pm 19.45pm	IUPHAR General Assembly & IUPHAR Lifetime Achievement Award This also includes the IUPHAR Clinical General Assembly.											

				Page 6								
	Clyde Auditorium	Lomond Auditorium	Hall 1	M1	Forth	Alsh	Boisdale	Carron	Dochart	GALA 1 and 2	Career Zone	Innovation Theatre
7.15 am 8.15 am											Sessions all day	Bootcamp
	Keynote Lecture Sir Mene Pangalos	KN17 Human pluripotent stem cells come of age in modelling cardiovascular diseases and toxicity Professor Christine Mummery	KN18 Gene targeting therapies for Huntington's disease, what does the future hold for neurodegenerative disorders? Professor Sarah Tabrizi									
9.20 am 9.45 am		freshment Break in Hal	l 4		Refreshment	Break in Hall 4		Refreshment Br	eak in Hall 4			Cambridge University Press
	Towards an international blueprint for clinical		S43 Immune system modulating drugs: Where are we?	<b>S44</b> Drug Repurposing: Challenges and Opportunities	IUPHAR ECR COMP	S45 Ion channel pharmacology: roles in diseases and therapeutic targeting	S46 Assessment of Proarrhythmic Adverse Effects during Drug Development: Current Status and	W14 Challenges and Approaches for Natural Product Drug Discovery				MedChem Express Wiley DNAnexus
11.30am 12.00pm							Challenges Ahead					ASPET
12.10 pm 12.20pm										Wiley Networking		
12.20pm 13.00pm	Lur		Lunch Break /	Lunch Break / Posters in Hall 4				ASCEPT				
13.00pm 13.40pm	n m							ВСРТ				
14.30pm	Viral Hepatitis: The Search for a Cure Professor Michael Sofia	KN20 Allosteric Drug Discovery: From Theory To Practice Professor Arthur Christopoulos	KN21 Transformation of Genomic Healthcare Professor Sir Mark Caulfield									
14.40pm 15.40pm		Oral Communications			Oral Commun	cations		Oral Commu	nications			
15.40pm 16.05pm	Re	freshment Break in Hal	l 4		Refreshment	Break in Hall 4		Refreshment Br	eak in Hall 4			
	Spotlights on emerging immunopharmacology for controlling rheumatic and allergic	S48 Best Practices in Teaching Pharmacology and Therapeutics - Training the Next Generation of Clinicians	S49 Targeting prostanoid receptors for treating tissue inflammation and pathophysiologies	<b>S50</b> The dawn of cell and system-specific AMPK activators?	S51 Artificial Intelligence in drug discovery and development	S52 The Blood-Brain Barrier in Dementia: Views from the East to the West	W15 Prescribing skills training and assessment: Global perspective, future plan	W16 What Does 'Society' Value in New Medicines, and How Can We Know?	W17 New drugs for Old: Heparin and its mimetics			
19.30pm 22.30pm		Gala Dinner		Gala Dinner						Gala Dinner		

						ly / July 2023						Page /
	Clyde Auditorium	Lomond Auditorium	Hall 1	M1	Forth	Alsh	Boisdale	Carron	Dochart	GALA 1 and 2	Career Zone	Innovation Theatre
7.45 am 8.45 am		Oral Communications			Oral Communi	ications		Oral Commu	nications		Sessions all day	
	KN22 Keynote Lecture Professor Sir Martin Landray	KN23 Cell-selective screens for novel analgesics Professor Clifford Woolf										
9.50 am 10.15 am		efreshment Break in Hal	l 4		Refreshment	Break in Hall 4		Refreshment Br				
10.15 am 11.30 am	S53 Asthma: New Therapeutic Avenues	S54 Novel approaches to target neurodegeneration	S55 Organophosphorus poisoning - from the fields of Asia to Syria and Salisbury	S56 Organ cross-talk in cardiovascular disease	S57 The primary and secondary pharmacology of transporters	S58 The Yin and Yang of Formyl Peptide Receptor (FPR) Biology in Inflammation	S59 Drug Induced Renal Injury - New Insights and Clinical Implications	W18 Natural Product Libraries - Challenges of Management, Isolation and Characterisation	W19 Teaching pharmacology in the flipped classroom: digital tools and resources for pre-work and active learning			
11.30 am 12.00pm												ВСРТ
12.00pm 12.40pm												
12.40pm 14.10pm		nch Break / Posters in Ha				Posters in Hall 4	Lunch Break / Posters in Hall 4					
	Closing Plenary Lecture Observations on science in academia, industry and government Professor Sir Patrick Vallance											
15.10pm 16.10pm	Closing Ceremony											

## Scottish Event Campus



## WCP2023 Partners

We are grateful for the support of our WCP2023 partners





**GLASGOW CONVENTION BUREAU** 



















For a full list of our partners, please visit wcp2023.org