



WCP2023
2 - 7 JULY 2023
GLASGOW | SCOTLAND

19TH WORLD CONGRESS OF BASIC & CLINICAL PHARMACOLOGY

PROGRAMME



**BRITISH
PHARMACOLOGICAL
SOCIETY**



IUPHAR
INTERNATIONAL UNION OF BASIC
AND CLINICAL PHARMACOLOGY



**GLASGOW
CONVENTION
BUREAU**

19th World Congress of Basic & Clinical Pharmacology 2023 Programme

The 19th World Congress of Basic & Clinical Pharmacology (WCP2023) is your passport to a world of cutting-edge science and unmissable career opportunities, in one of the world's most vibrant cities - Glasgow, Scotland. Our scientific programme focuses on collaboration, innovation, and discovery, all of which are underpinned by outstanding science. Our Scientific Organising Committee have selected a fantastic line-up of around 500 speakers and chairs, renowned for their expertise and leadership in pharmacology, drawn from 36 countries and 6 continents. Join us for 63 symposia, 23 keynote lectures, 18 workshops and 3 debates across 10 major content themes.

Alongside our symposia and keynote lectures, we have a packed schedule of abstract presentations, interactive debates, and networking opportunities. We also have our all-important social programme, allowing you to catch up with friends and colleagues from across the globe and get a taste of what Scotland has to offer.

Take a look at the programme below and start planning your WCP2023. We look forward to seeing you there.

With best wishes,



Professor David Webb DSc FRSE FMedSci
President of WCP2023



Professor Amrita Ahluwalia BSc, PhD
Secretary - General of WCP2023

Day 2 - Monday

3 July 2023



Innovations Theatre

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09.45	09.45 - 12.10 symposium	09.45 - 12.10 Symposium - Safety Pharma- cology for the 21st Century - new technologies supporting safety and predictiv- ity within drug discovery and development	09.45 - 12.10 I,I&I Symposium - Targeting Inflammation in Infectious Diseases	09.45 - 12.10 Symposium - Addressing the challenges in translation- al pharmaco- logy through academic - industrial collaboration	09.45 - 12.10 Symposium - Can platelet purinergic receptors be targeted to safely treat non - thrombotic diseases?	09.45 - 12.10 Symposium - Marine Natural Products Pharmacology	09.45 - 12.10 Symposium - Progress in geriatric phar- macology: im- proving drug development, evaluation and use for our ageing population	09.45 - 11.30 Workshop	09.45 - 11.30 Workshops - Accelerating Chemical Biology and early Drug Discovery by academic collaborative initiatives				
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Inflammation, Immunology & Infection	Clinical Pharma- cology	Neuropharma- cology	GPCRs	Natural products	Pharmacogenom- ics	Cardiovascular	Safety Toxicology	Education	Drug Discovery/ Development	Oral communi- cations	Plenary	Social programme

Day 3 - Tuesday

4 July 2023



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08.30		08.30 - 09.20 Keynote Lecture 1 Translating molecular insights in auto-immunity into effective therapy Professor Sir Marc Feldmann			08.30 - 09.20 Keynote Lecture 2 Pharmacogenomics, clinical pharmacology and clinical implementation - progress and barriers Professor Sir Munir Pirmohamed			08.30 - 09.20 Keynote Lecture 3 Through the Looking Glass: G-proteins and their lessons for cell growth, survival and inflammation Professor Joan Heller Brown														
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09.00		09.20 - 09.45 Refreshment Break																				
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09.45		09.45 - 12.10 Symposium - Transcription Factors and Drug Discovery	09.45 - 12.10 Symposium - Resolution Pharmacology - new therapeutic approaches for the treatment of inflammatory diseases	09.45 - 12.10 Symposium HMGBl and proteinases in inflammation and pain: possible drug-gable targets	09.45 - 12.10 Symposium - Drug development according to signaling diversities of G protein coupled receptors	09.45 - 12.10 Symposium - Health effects of Natural Products: From the chemical structure to the biological response	09.45 - 11.30 Symposium - Paediatric Pharmacology - From Molecule to Bedside	09.45 - 11.30 Workshop - Appraising the Visibility, Relevance and Impacts of Clinical Pharmacology Globally	09.45 - 11.30 Workshop													
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13.30		13.40 - 14.30 Keynote Lecture 1 Pharmacology: from chemicals to antibodies and back to chemicals? Sir Greg Winter			13.40 - 14.30 Keynote Lecture 2 Toward the mysteries of sleep Professor Masashi Yanagisawa			13.40 - 14.30 Keynote Lecture 3 Hemodynamic Regulation, Energy Metabolism and Vascular Homeostasis Professor Huang Yu														
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14.00		14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	14.40 - 15.40 Oral communications	
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14.30		15.40 - 16.05 Refreshment Break																				
14.45		16.05 - 18.30 Symposium - The Emerging Era of Membrane Protein Structural Biology and Pharmacology in India	16.05 - 18.30 Symposium - Pharmacology of personalized and targeted drugs	16.05 - 18.30 Symposium - Antibody Engineering of Drugs to New Treatments	16.05 - 18.30 Symposium - Advances in the pharmacology of relaxin - 3 and related peptides	16.05 - 18.30 Symposium - Genomic biomarkers in cancer therapy response	16.05 - 18.30 Symposium Mechanisms & Pharmacological Approaches to treat Intestinal Pain	16.05 - 18.30 Symposium - New Insights into Drug Hypersensitivity	16.05 - 17.50 Workshop - Multidrug resistance in Cancer. Stratagem view and current challenges	16.05 - 17.50 Workshop - What is the most important question to ask in early phase clinical drug development?	16.05 - 17.50 Half day workshop - New to Pharmacology Teaching? An Interactive Workshop for Transitioning to a Career in Education											
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Inflammation, Immunology & Infection	Clinical Pharmacology	Neuropharmacology	GPCRs	Natural products	Pharmacogenomics	Cardiovascular	Safety Toxicology	Education	Drug Discovery/ Development	Oral communications	Plenary	Social programme

Day 4 - Wednesday

5 July 2023



Innovations Theatre

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09.00		08.30 - 09.20 Keynote Lecture 1 The Legacy of COVID-19 and its vaccines Professor Sir Andrew Pollard			08.30 - 09.20 Keynote Lecture 2 Harnessing big data for personalized medicine Professor Eran Segal			08.30 - 09.20 Keynote Lecture 3				
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09.30		09.20 - 09.45 Refreshment Break										
09.45		09.45 - 12.10 Symposium	09.45 - 12.10 Symposium - Mechanop- harmacology	09.45 - 12.10 Symposium - Study, Develop- ment and Rationale Use of Immunop- harmacologi- cal Agents	09.45 - 12.10 Symposium - Neurodevel- opmental disorders. potential therapeutic targets and treatments	09.45 - 12.10 Symposium - GPCRs in Addiction	09.45 - 12.10 Symposium - Frontiers of novel drug targets in disease	09.45 - 12.10 Symposium - Stress Signaling Nuclear Receptors in Cardiovascular Health and Disease	09.45 - 12.10 Symposium - Transporter mediated drug - drug interactions: translation into the clinics	09.45 - 11.30 Workshop - What can modelling do for you? Rational design and interpretation of clinical studies integrating clinical knowledge with predictive tools		
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13.00	09.00 - 12.45 Exhibition / Poster viewing											
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13.30		13.35 - 16.00 Symposium - Global strategy for accelerating the implementa- tion of alterna- tives methods (3Rs) in the quality control of vaccines and other biologics	13.35 - 16.00 Symposium - Glycosphin- golipids in neurode- generation and viral infections	13.35 - 16.00 Symposium - Immunother- apy and its resistant and challenges	13.35 - 16.00 Symposium - Towards improvement of treatment of chronic pain by mechanism - based modelling approaches	13.35 - 16.00 Symposium - Experimental Pharma- cology in Precision Medicine	13.35 - 16.00 Symposium - Drug interactions in the real world	13.35 - 15.20 Workshop - ER4TB - Closing the gap between early bacterial activity and clinical cure"	13.35 - 15.20 Workshop - The WHO 3rd safety challenge "Medication without harm	13.35 - 15.20 Workshop - CIOMS Guidance for Medicines Safety	13.35 - 16.00 Half day workshop - Emerging Innovations in Pharmacological Education	
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16.30		16.30 - 17.30 IUPHAR Analytical Pharmacology Lecture - Computational GPCR pharmacology Professor David Gloriam										
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17.30		17.30 - 19.45 IUPHAR General & Clinical Assembly & IUPHAR Lifetime Achievement Award										
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- Inflammation, Immunology & Infection
- Clinical Pharmacology
- Neuropharmacology
- GPCRs
- Natural products
- Pharmacogenomics
- Cardiovascular
- Safety Toxicology
- Education
- Drug Discovery/ Development
- Oral communications
- Plenary/Keynote lectures
- Social programme

Day 5 - Thursday

6 July 2023



Innovations Theatre

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08.30		08.30 - 09.20 Keynote Lecture 1 Sir Mene Pangalos			08.30 - 09.20 Keynote Lecture 2 Human pluripotent stem cells come of age in modelling cardiovascular diseases and toxicity Professor Christine Mummy			08.30 - 09.20 Keynote Lecture 3 Gene targeting therapies for Huntington's disease, what does the future hold for neurodegenerative disorders? Professor Sarah Tabrizi				
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09.00	09.00 - 17.00 Exhibition / Poster viewing	09.20 - 09.45 Refreshment Break										
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09.45		09.45 - 12.10 Symposium - The Evolving Scenario of Ethical Issues in Drug Development	09.45 - 12.10 Symposium - Drug Repurposing: Challenges and Opportunities	09.45 - 12.10 Symposium - Immune system modulating drugs: Where are we?	09.45 - 12.10 Symposium - Ion channel pharmacology: roles in diseases and therapeutic targeting	09.45 - 12.10 Symposium - GPCRs in cancer: New therapeutic opportunities	09.45 - 12.10 Symposium - Assessment of Proarrhythmic Adverse Effects during Drug Development: Current Status and Challenges Ahead	09.45 - 12.10 Symposium - Towards an international blueprint for clinical pharmacology	09.45 - 12.10 Symposium	09.45 - 11.30 Workshop - Challenges and Approaches for Natural Product Drug Discovery		
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12.00		12.10 - 13.40 Lunch Break / Posters										
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13.00		13.40 - 14.30 Keynote Lecture 1 Viral Hepatitis: The Search for a Cure Professor Michael Sofia			13.40 - 14.30 Keynote Lecture 2 Allosteric Drug Discovery: From Theory To Practice Professor Arthur Christopoulos			13.40 - 14.30 Keynote Lecture 3 Transformation of Genomic Healthcare Professor Mark Caulfield				
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14.45		16.05 - 18.30 Symposium - Spotlights on emerging immunopharmacology for controlling rheumatic and allergic diseases	16.05 - 18.30 Symposium - The dawn of cell and system - specific AMPK activators?	16.05 - 18.30 Symposium - Targeting prostanoid receptors for treating tissue inflammation and pathophysiological	16.05 - 18.30 Symposium - Best Practices in Teaching Pharmacology and Therapeutics - Training the Next Generation of Clinicians	16.05 - 18.30 Symposium - The Blood-Brain Barrier in Dementia: Views from the East to the West	16.05 - 18.30 Symposium - Artificial Intelligence in drug discovery and development	16.05 - 17.50 Workshop - What Does 'Society' Value in New Medicines, and How Can We Know?	16.05 - 17.50 Workshop - New drugs for Old: Heparin and its mimetics	16.05 - 17.50 Workshop - Prescribing skills training and assessment. Global perspective, future plan		
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Inflammation, Immunology & Infection	Clinical Pharmacology	Neuropharmacology	GPCRs	Natural products	Pharmacogenomics	Cardiovascular	Safety Toxicology	Education	Drug Discovery/Development	Oral communications	Plenary	Social programme
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Day 6 - Friday

7 July 2023



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08.00		Oral commu- nications	Oral commu- nications	Oral commu- nications	Oral commu- nications	Oral commu- nications	Oral commu- nications	Oral commu- nications	Oral commu- nications	Oral commu- nications	
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09.00	09.00 - 14.00 Exhibition / Poster viewing	09.00 - 09.50 Keynote Lecture 1 Professor Sir Martin Landray			09.00 - 09.50 Keynote Lecture 2 Cell-selective screens for novel analgesics Professor Clifford Woolf			09.00 - 09.50 Keynote Lecture 3 Transporters in drug development: From targets through regulation Professor Kathy Giacomini			
09.15		09.50 - 10.15 Refreshment Break									
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10.15			10.15 - 12.40 Symposium - Organophosphorus poisoning - from the fields of Asia to Syria and Salisbury	10.15 - 12.40 Symposium - The primary and secondary phar- macology of transporters	10.15 - 12.40 Symposium - Asthma. New Therapeutic Avenues	10.15 - 12.40 Symposium - Novel approaches to target neurodegener- ation	10.15 - 12.40 Symposium - The Yin and Yang of Formyl Peptide Receptor (FPR) Biology in Inflammation	10.15 - 12.40 Symposium - Organ cross - talk in cardiovascu- lar disease	10.15 - 12.40 Symposium - Drug Induced Renal Injury - New Insights and Clinical Implications	10.15 - 12.00 Workshop - Natural Product Libraries - Challenges of Management, Isolation and Characterisation	10.15 - 12.00 Workshop - Teaching phar- macology in the flipped classroom. digital tools and resources for pre- work and active learning
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