



WCP2023
2 - 7 JULY 2023
GLASGOW | SCOTLAND

19TH WORLD CONGRESS OF BASIC & CLINICAL PHARMACOLOGY

PROGRAMME



**BRITISH
PHARMACOLOGICAL
SOCIETY**



**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 1 - Sunday

2 July 2023



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Registration Opens

16.00 - 17.00
Opening Ceremony
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17.00 - 18.00
Opening Plenary - The Grey matter of Sand and Sky. Dimensions of a Discipline for the 21st Century
Professor Garret FitzGerald
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18.00 - 20.00
Welcome Reception
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Inflammation,
Immunology &
Infection

Clinical
Pharmacology

Neuropharma-
cology

GPCRs

Natural products

Pharmacogenom-
ics

Cardiovascular

Safety
Toxicology

Education

Drug Discovery/
Development

Oral
communications

Plenary

Social programme



Day 2 - Monday

3 July 2023



Innovations Theatre

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08.30		08.30 - 09.20 Keynote Lecture 1 No time to wait: global progress and challenges in tackling AMR Professor Dame Sally Davies			08.30 - 09.20 Keynote Lecture 2 Inflammation and depression Professor Ed Bullmore			08.30 - 09.20 Keynote Lecture 3 Liquid Biopsy: Establishing a new diagnostic concept in oncology Professor Klaus Pantel		
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09.15		09.20 - 09.45 Refreshment Break								
09.30		09.45 - 12.10 Symposium - Antibiotics: Solving the crisis Q	09.45 - 12.10 Symposium - Safety Pharmacology for the 21st Century - new technologies and approaches supporting safety and predictivity within drug discovery and development Q	09.45 - 12.10 I,I&I Symposium - Targeting Inflammation in Infectious Diseases III BJP	09.45 - 12.10 Symposium - Addressing the challenges in translational pharmacology through academic - industrial collaboration ☀	09.45 - 12.10 Symposium - Can platelet purinergic receptors be targeted to safely treat non - thrombotic diseases? 🌀 BJP	09.45 - 12.10 Symposium - Marine Natural Products Pharmacology ⚙	09.45 - 12.10 Symposium - Progress in geriatric pharmacology: improving drug development, evaluation and use for our ageing population + DICT	09.45 - 11.30 Workshop Q	09.45 - 11.30 Workshops - Accelerating Chemical Biology and early Drug Discovery by academic collaborative initiatives Q
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11.30		11.30 - 12.10 Debate - The Inter - dependence of Basic and Clinical Pharmacology From Benchside to Bedside and Back ❖								
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12.30	09.00 - 17.00 Exhibition / Poster viewing	12.10 - 13.40 Lunch Break / Posters								
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13.45		13.40 - 14.30 Keynote Lecture 1 Structural insights into the dynamic process of GPCR signaling Professor Brian Kobilka			13.40 - 14.30 Keynote Lecture 2 Neurotransmitter receptors and brain maps Professor Katrin Amunts			13.40 - 14.30 Keynote Lecture 3 Heart failure therapeutics: The ultimate pharmacological success story? Professor John McMurray		
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15.45		15.40 - 16.05 Refreshment Break								
16.00		16.05 - 18.30 Symposium - Space Medicine - The Final Frontier. Insights from the NASA Twin Study Q BJP	16.05 - 18.30 Symposium - Pharmacometric model informed drug development in infectious diseases [IsoP Clinical Special Interest Group sponsored session] Q DICT	16.05 - 18.30 I,I&I Symposium - Drug discovery and development for Malaria III	16.05 - 18.30 Symposium - Psychedelics in neuropsychiatric disorders ☀	16.05 - 18.30 Symposium - Pharmacogenomics in 2022. Big Studies, Big Results, Big Implications, Big Responsibilities 🧬 DICT	16.05 - 18.30 Symposium - Emerging role of NLRP3 inflammasome as a therapeutic target in cardiovascular and infectious diseases ❤	16.05 - 18.30 Symposium	16.05 - 17.50 Workshop - Deprescribing for older people: International efforts to understand and improve efficacy, safety and implementation +	16.05 - 17.50 Workshop - Professional Identity of the 21st Century Pharmacology Educator ❖
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Inflammation,
Immunology &
Infection

Clinical Pharma- cology

Neuropharma-
cologyGPCR₄

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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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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Inflammation,
Immunology &
Infection

Clinical Pharma- cology

Neuropharma-
cology

GPCRs

Natural products

Pharmacogenom-
ics

Cardiovascular

Safety
Toxicology

Education

Drug Discovery
Development/ Oral communi-
cationsPlenary/Keynote
lectures

Social programme



Day 5 - Thursday

6 July 2023



Innovations Theatre

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08.30	09.00 – 17.00 Exhibition / Poster viewing	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 Mummery			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		09.20 - 09.45 Refreshment Break								
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09.45		09.45 - 12.10 Symposium - The Evolving Scenario of Ethical Issues in Drug De- velopment	09.45 - 12.10 Symposium - Drug Repurposing, Challenges and Opportu- nities	09.45 - 12.10 Symposium - Immune system modulating drugs: Where are we?	09.45 - 12.10 Symposium - Ion channel pharmacol- ogy: roles in diseases and therapeutic targeting	09.45 - 12.10 Symposium - GPCRs in cancer: New therapeutic opportunities	09.45 - 12.10 Symposium - Assessment of Proarrhyth- mic Adverse Effects during Drug Develop- ment: Current Status and Challenges Ahead	09.45 - 12.10 Symposium - Towards an international blueprint for clinical phar- macology	09.45 - 12.10 Symposium	09.45 - 11.30 Workshop - Challenges and Approaches for Natural Product Drug Discovery
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13.30		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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15.15		15.40 - 16.05 Refreshment Break								
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16.00		16.05 - 18.30 Symposium - Spotlights on emerging immunophar- macology 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 inflam- mation and pathophysiol- ogies	16.05- 18.30 Symposium - Best Practices in Teaching Pharma- cology 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 mi- metics	16.05 - 17.50 Workshop - Prescribing skills training and assess- ment. 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



Innovations Theatre

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08.45										
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		
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09.30		09.50 - 10.15 Refreshment Break								
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10.15		10.15 - 12.40 Symposium - Organo-phosphorus poisoning - from the fields of Asia to Syria and Salisbury	10.15 - 12.40 Symposium - The primary and secondary pharmacology of transporters	10.15 - 12.40 Symposium - Asthma. New Therapeutic Avenues	10.15 - 12.40 Symposium - Novel approaches to target neurodegeneration	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 cardiovascular 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 pharmacology in the flipped classroom. digital tools and resources for pre - work and active learning
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14.15		14.10 - 15.10 Closing Plenary Lecture - Professor Sir Patrick Vallance								
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15.15		15.10 - 16.10 Closing Ceremony								
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