

PROGRAMME AT A GLANCE

Thursday 20 April 2023 - MAIN MEETING PROGRAMME

13:00 - 15:10

Symposium 1

Open Themes in partnership with The American Society for Clinical Investigation

Joint Chairs:

Professor Sir Munir Pirmohamed

Professor of Pharmacology & Therapeutics, University of Liverpool and President, Association of Physicians of Great Britain & Ireland

Professor Hossein Ardehali, MD, PhD, FACC, FAHA, FISHR

Thomas D. Spies Professor of Cardiac Metabolism, Professor of Medicine – Cardiology, Professor of Pharmacology, Director, Medical Scientist Training Program, Director, Center for Molecular Cardiology, Northwestern University School of Medicine, Past-president, American Society for Clinical Investigation (ASCI), Deputy Editor, *Journal of Clinical Investigation (JCI)*

13:00 - 13:08

Welcome – 116th Annual Meeting and Presentation of Award for Outstanding Contribution to Translational Medicine

AoP Honorary Secretary: Professor Julian Knight

Professor of Genomic Medicine at the University of Oxford

AoP President: Professor Sir Munir Pirmohamed

Professor of Pharmacology & Therapeutics, University of Liverpool and President, Association of Physicians of Great Britain & Ireland

13:08 - 13:33

The George Griffin Lecture

Learning from SARS-CoV-2 sequencing: What next?

Professor Sharon Peacock CBE FMedSci MRCP

Professor of Public Health and Microbiology, University of Cambridge

13:33 - 14:23

Oral Presentations

The Effect of Microgravity and Galactic Cosmic Radiation on Renal Structure and Function

Dr Stephen Walsh

University College London

Diabetes No More? Five-year follow-up of the Diabetes Remission Clinical Trial (DiRECT) and its Extension Study

Professor Michael Lean

University of Glasgow

A harmonised approach to comparing the epidemiology of Chronic Obstructive Pulmonary Disease and Interstitial Lung Disease in England and Wales

Dr Sarah Cook

Imperial College London

Indian Hedgehog release from TNF activated renal epithelia drives local and remote organ fibrosis

Dr David Ferenbach

University of Edinburgh

The reduction in genetic contribution to the incidence of childhood type 1 diabetes has stabilised over time

Dr Lowri Allen

Cardiff University

14:23 - 14:33 **Plenary – Collaboration between ASCI and AoPGBI**
Professor Hossein Ardehali, MD, PhD, FACC, FAHA, FISHR
Thomas D. Spies Professor of Cardiac Metabolism, Professor of Medicine – Cardiology, Professor of Pharmacology, Director, Medical Scientist Training Program, Director, Center for Molecular Cardiology, Northwestern University School of Medicine, Past-president, American Society for Clinical Investigation (ASCI), Deputy Editor, *Journal of Clinical Investigation (JCI)*

14:33 - 14:48 **Q&A Discussion**

14:48 - 15:10 **Flash Posters**

[Development and validation of the Anticholinergic Medication Index \(ACMI\) to predict delirium and falls](#)

Dr Kate Best
University of Leeds

[Novel multimorbidity clusters in people with eczema and asthma: a population-based cluster analysis](#)

Professor Sinead Langan
London School of Hygiene and Tropical Medicine

[Multisystem, illness trajectory in healthcare workers post-COVID-19](#)

Dr Andrew Morrow
University of Glasgow

[Fourth dose bivalent mRNA vaccines augment neutralising antibody titres against Omicron sub-lineages XBB and BQ.1.1 in healthy adults](#)

Dr Emma Wall
Francis Crick Institute

[Randomised trial of genetic testing and targeted intervention to prevent the development and progression of Paget's disease of Bone](#)

Professor Stuart Ralston
University of Edinburgh

[Individuals on levothyroxine have high HADS anxiety and depression scores and this is exacerbated by the Thr92Ala substitution in DIO2.](#)

Dr Peter Taylor
Cardiff University

[Fibrinogen protects against histone-induced thrombocytopenia](#)

Dr Jun Yong
University of Liverpool

15:10 - 15:30 **Tea and Coffee**

15:30 - 17:40

Symposium 2

[Genomics in Partnership with the British Pharmacological Society](#)

Joint Chairs:

Professor Rebecca Fitzgerald

Director Early Cancer Institute, University of Cambridge

Professor Sir Mark Caulfield

Vice Principal for Health, Director of the NIHR Barts Biomedical Research Centre, Queen Mary University of London

President-Elect, the British Pharmacological Society

15:30 - 15:35

Welcome from the British Pharmacological Society

Professor Sir Mark Caulfield

Vice Principal for Health, Director of the NIHR Barts Biomedical Research Centre, Queen Mary University of London

President-Elect, the British Pharmacological Society

15:35 - 16:00	<p>Plenary Utilising the power of cancer whole genome sequencing for clinical purposes Professor Serena Nik-Zainal Professor of Genomic Medicine and Bioinformatics and an NIHR Research Professor at the University of Cambridge</p>
16:00 - 16:40	<p>Oral Presentations Rare variants in SLC34A3 explain missing heritability of urinary stone disease Dr Omid Sadeghi-Alavijeh University College London</p> <p>Decoding the epigenomic landscape for human pancreas development and risk of type 2 diabetes mellitus. Dr Rachel Jennings University of Manchester</p> <p>Tracing the evolution of clonal hematopoiesis to acute myeloid leukaemia using longitudinal pre-diagnosis blood samples Dr Caroline Watson University of Cambridge</p> <p>Loss-Of-Function, or “Loss-Of-Function Plus” PTC variant? Patients and their cells support a new classification system explaining phenotypic and treatment variability Professor Claire Shovlin Imperial College London</p>
16:40 - 17:05	<p>Plenary Artificial Intelligence and Machine Learning at GSK Dr Kim Branson Senior Vice President and Global Head of AI/ML at GSK</p>
17:05 - 17:20	<p>Q&A Discussion</p>
17:20 - 17:40	<p>Flash Posters</p> <p>Identifying prescriptions in electronic healthcare record (EHR) studies: methods for development of standardised, reproducible drug codelists Miss Emily Graul Imperial College London, School of Public Health</p> <p>Finding the needles in the haystack: integrated data science methods identify a high ferritin sub-phenotype of acute respiratory distress syndrome Dr Romit Samanta University of Cambridge</p> <p>Efficient Genetic Modification of Primary Human Neutrophils Dr Anthony Yong Ng Heart and Lung Research Institute</p> <p>Massively Parallel Assay of Insulin Receptor Variants – A Bridge from Genotype to Translation Professor Robert Semple The University of Edinburgh</p> <p>Developing a warfarin dosing algorithm in patients with mechanical heart valves Dr Eunice J. Zhang University of Liverpool</p> <p>Biomarkers of neurological complications of COVID-19 Dr Cordelia Dunai University of Liverpool</p>

Monocyte Kinetics and Imaging in Healthy Volunteers

Dr Neda Farahi
University of Cambridge

Levelling-up: identification of heart failure patients requiring medicines optimisation and complex device therapy and the association with socioeconomic deprivation

Dr Matthew Kahn
Liverpool Heart and Chest Hospital

Identifying gaps in fracture preventive care for people prescribed oral corticosteroids: Population-based cohort studies in the UK and Canada

Dr Julian Matthewman
London School of Hygiene and Tropical Medicine

Single cell level analysis of the immune response to intradermal gold nanoparticle administration

Dr Danijela Tatovic
Cardiff University

17:40 - 18:00 **Meet our partners, poster viewing**
The Spine

18:00 - 19:30 **Networking Evening**
The Spine

19:30 - 23:00 **Dinner**
Liverpool Football Club