

# Pharmacology Futures 2018 – celebrating 250 years of pharmacology in Edinburgh

**National Museum of Scotland, Edinburgh**

**Thursday 17 May 2018**

8.30-9.00 Registration and refreshments

9.00-9.10 Welcome and introduction  
*Professor David Webb, Past President, British Pharmacological Society and Professor of Clinical Pharmacology, The University of Edinburgh, UK*

## **SESSION 1**

*Chair: Professor Sue Fleetwood-Walker, University of Edinburgh, UK*

9.10-9.40 How do we make the UK a world leader in drug discovery?  
*Professor Chas Bountra, University of Oxford, UK*

9.40-10.10 Cardiovascular diseases and drugs: Where are we with hiPSC models?  
*Professor Christine Mummery, Leiden University Medical Centre, The Netherlands*

10.10-10.50 Minding the gap: Linking preclinical studies to the development of novel therapeutics at the National Institute of Mental Health  
*Professor Susan Amara, National Institutes of Health, USA*

10.50-11.20 Refreshment break

## **SESSION 2**

*Chair: Professor Mark Evans, University of Edinburgh, UK*

11.20-11.50 Drugging transcription: Progress and potential for treating human immune dysfunction  
*Dr Rab Prinjha, GlaxoSmithKline, UK*

**ORAL COMMUNICATIONS SESSION:  
Future of pharmacology competition, Early career researchers\***

- 11.50-12.00 OC001: ALDH1 bio-activates nifuroxazide to eradicate ALDHhigh melanoma-initiating cells  
*Sana Sarvi, University of Edinburgh, UK*
- 12.00 – 12.10 OC002: Investigating SARMS as novel therapeutics in women  
*Douglas Gibson, University of Edinburgh, UK*
- 12.10 – 12.20 OC003: Non-invasive in human in vivo target engagement biomarkers to strengthen GO/NO-GO decisions  
*Linde Buntinx, Center for Clinical Pharmacology, UZ Leuven*
- 12.20-13.40 Lunch and poster presentation

**SESSION 3**

Chair: Dr Sally Argyle, University of Edinburgh, UK

- 13.40-14.10 The pharmacology of turning thoughts into local blood flow in the brain  
*Professor Mark Nelson, University of Vermont, USA*

**ORAL COMMUNICATIONS SESSION:  
Future of pharmacology competition, PhD student oral communications**

- 14.10-14.20 OC004: Unravelling the effect of metamizole, paracetamol and ibuprofen on TRPA1 using the cinnamaldehyde target engagement biomarker model  
*Dorien Bamps, Center for Clinical Pharmacology, KU Leuven*
- 14.20 – 14.30 OC005: Aldehyde dehydrogenase: 5-nitrofurantoin in vivo gene-drug interactions  
*Andrea Coates, University of Edinburgh, UK*
- 14.30 – 14.40 OC006: Selective Interleukin-6 trans-signalling antagonism with sgp130Fc reduces infarct size in a rat model of myocardial infarction whereas pan-blockade with an anti-IL-6 antibody does not  
*Marc George, University College London, UK*
- 14.40-15.20 The role of biomarkers in translational pharmacology  
*Dr James Dear, University of Edinburgh, UK*
- 15.20-15.50 Refreshment break

## **SESSION 4**

Chair: Professor David Wyllie, University of Edinburgh, UK

15.50-16.20            GPCR allosterism: From theory to medicine  
*Professor Arthur Christopoulos, Monash University, Australia*

16.20-16.25            Prize giving: Future of pharmacology competition

### **Cameron Prize**

Chair: Professor Sir John Savill, Regius Professor of Medical Sciences, University of Edinburgh, UK

16.30-17.30            2017 Cameron Prize for Therapeutics lecture: Building and  
maintaining a global response to AMR  
*Professor Dame Sally Davies, Department of Health, UK*

17.30-17.35            Closing remarks

19.00 – 19.45            Drinks reception (ticketed event)

19.45                      Delegate dinner (ticketed event)