
08.30 – 09.00	Registration
09.00 – 09.10	Welcome from Prof Hugh Watkins
09.10 – 10.45	Session 1: Cardiac Regeneration Chair: Prof Paul Riley, Professor of Development and Reproduction, DPAG
09.10 – 09.40	Prof Tilly Mommersteeg, Associate Professor in Developmental and Regenerative Medicine DPAG <i>The Mexican cave fish <i>Astyanax Mexicanus</i>: a novel model system of regeneration</i>
09.40 – 10.00	Dr Joaquim Vieira, DPAG <i>Epigenetic regulation of epicardial activity in heart development and injury</i>
10.00 – 10.45	Guest Speaker - Dr Hesham Sadek, Assistant Professor, UT Southwestern <i>Redox Regulation of Cardiomyocyte Renewal</i>
10.45 – 11.10	Break
11.10 – 12.30	Session 2: Emerging Technologies Chair: Prof Manuela Zaccolo, DPAG
11.10 – 11.30	Dr Ben Davies, WTCHG/NDM <i>Nuclease and integrase mediated genetic modification of the mouse</i>
11.30 – 11.50	Dr Akane Kawamura, Chemistry <i>Development of peptidic tools for target validation</i>
11.50 – 12.10	Mr Dan Ebner, TDI/NDM <i>An Introduction to the Target Discovery Institute Cellular High Throughput Screening Facility</i>
12.10 – 12.30	Prof Tudor Fulga, Associate Professor of Genome Biology, WIMM/RDM <i>A CRISPeR TALEn: Deciphering miRNA-target regulation by site-specific genome engineering</i>
12.30 – 14.30	Lunch and poster session
14.30 – 16.15	Session 3: Post-translational Modification and Metabolism Chair: Prof Barbara Casadei, Professor of Cardiovascular Medicine, CVM/RDM
14.30 – 15.15	Guest Speaker - Dr Elizabeth (Tish) Murphy, Senior Investigator, NHLBI/NIH <i>The role of S-nitrosation in cardiac signalling and disease</i>
15.15 – 15.35	Dr Svetlana Reilly, CVM/RDM <i>Atrial-specific upregulation of miR31 depletes dystrophin and nNOS and leads to electrical remodelling in human atrial fibrillation</i>
15.35 – 15.55	Dr Mark Crabtree, CVM/RDM <i>Novel approaches to discover new NO-Redox signalling targets in cardiovascular disease</i>
15.55 – 16.15	Prof Craig Lygate, Associate Professor of Cardiovascular Physiology, CVM/RDM <i>New insights from creatine-deficient mice</i>
16.15 – 16.40	Break
16.40 – 17.25	Session 4: UK Biobank Chair: Prof Sir Rory Collins, Professor of Medicine and Epidemiology, CTSU/NDPH
16.40 – 16.45	Prof Sir Rory Collins, Professor of Medicine and Epidemiology, CTSU/NDPH <i>Overview of imaging in UK Biobank</i>
16.45 – 17.05	Prof Stefan Neubauer, Professor of Cardiovascular Medicine, CVM/RDM <i>Cardiac MRI in UK Biobank</i>
17.05 – 17.25	Prof Paul Leeson, Professor of Cardiovascular Medicine, CVM/RDM <i>Carotid ultrasound in UK Biobank</i>
17.25 – 17.35	Concluding remarks and poster prizes
17.35 – 18.45	Drinks reception
