



UKEV Forum

10th December 2019

Francis Crick Institute London



THE
FRANCIS
CRICK
INSTITUTE

Draft Programme

08:15-09:00 Registration and refreshments

09:00- 09:05 Welcome and housekeeping

Session 1: Inflammation and Cardiovascular disease, Chair: Liz Finding RVC

09:05 – 09:35 Plenary Speaker: **Sean Davidson**, *Hatter Cardiovascular Institute UCL London*
Title TBC

09:35- 09:50 Katarzyna Kmiotek-Wasylewska (Jagiellonian University) *Extracellular vesicles derived from genetically modified human induced pluripotent stem cells enhance cardiomyogenesis and angiogenesis in vitro and in vivo*

09:50-10:05 Ryan Pink (Oxford Brookes) *Exo-cise: Extracellular vesicles enriched from plasma post-exercise promotes myogenesis and neurogenesis*

10:05- 10:20 Margeurite Kennedy (Leeds) *miR-1-3p and miR-133-3p are altered in maternal serum EVs and placenta in pregnancies complicated by gestational diabetes with large-for-gestational age babies*

10:20- 10:30 gold sponsor talk - Malvern

10:30- 10:50 *Lightning poster session 1*

10:50-11:00 gold sponsor talk – NanoView

11:00-11:20 *refreshment break and exhibition/poster viewing*

Session 2: Cancer and translational medicine Chair: Jason Webber Cardiff

11:20-11:50 Plenary Speaker: **Shannon Stott**, *Massachusetts General Hospital, Harvard Medical School* “**Microfluidics for the Isolation of Extracellular Vesicles from Cancer Patient Blood**”

11:50-12:05 Sophie Adams (QMUL) *A stress-response induced by centrosome amplification mediates extracellular vesicles secretion*

12:05-12:20 Sarah Veiga (Cardiff) *Heparan sulphate glycosaminoglycans tether a complex assortment of growth factors to the surface of extracellular vesicles*

12:20-12:35 Xinming Liu (Sheffield) *Seeing is believing? Presence of vault RNA and major vault protein indicates vault particle contamination in extracellular vesicle preparations*

12:35- 12:55 platinum sponsor talk - NanoFCM

12:55-13:15 *Lightning poster session 2*

13:15-14:15 Lunch break and exhibition/poster viewing

Session 3: Immunological mechanisms Chair: Lesley Smyth UEL

14:15-14:45 Plenary Speaker: **Mike Dustin**, *KIR, Oxford*
Title TBC

- 14:45- 14:55 gold sponsor talk - Luminex
14:55- 15:10 Bethan Thomas (QMUL) *Neutrophil extracellular vesicles, a novel therapy for tissue regeneration in murine models of inflammatory arthritis.*
15:10- 15:25 Jordan Bazoer (University of East London) *B lymphocytes contribute to indirect pathway T cell sensitisation via acquisition of extracellular vesicles*
15:25- 15:40 Ryan Wallis (Barts) *Investigating the Role of Extracellular Vesicles to the Paracrine Effects of the Senescence-Associated Secretory Phenotype (SASP)*
15:40-15:50 gold sponsor talk - Cell Guidance Systems
15:50-16:10 refreshments poster/exhibition

Session 4: Technology and hot topics **Chair: TBC**

- 16:10-16:20 gold sponsor talk - Particle Metrix
16:20-16:35 Erika Dorado (Imperial College) *Lipidomic Profiling of Cancer-Derived Extracellular Vesicles and its Potential for the Identification of Body Fluid-Based Biomarkers for Breast Cancer diagnosis*
16:35-16:50 Zubair Nizamudeen (Nottingham) *Characterisation of extracellular vesicles with super-resolution microscopy and cryo-correlative light-electron microscopy.*
16:50-17:05 Richard Kelwick (Imperial College) *AL-PHA beads: bioplastic-based biosensors for detection of extracellular vesicle-associated metalloproteinase biomarkers*
17:05-17:15 gold sponsor talk – Izon
17:15-17:20 Hannah Jackson *UKEV ECR mentoring initiative*
17:20-17:45 UKEV AGM
17:45-18:30 *Drinks reception and Awards*