

PROGRAMME

09.00 – 10.00 **Registration** + tea/coffee/posters

10.00 – 10.10 **Welcome** and 'housekeeping'

Professor Ken Paterson, *National Chair, Tenovus Scotland*

ORAL PRESENTATIONS

Session 1:

Neurology

10.10 - 10.25 Spinal cholinergic modulation of breathing in physiological conditions and post-spinal cord injury
Giulia Benedetta Calabrese, School of Psychology & Neuroscience, University of St Andrews

10.25 – 10.40 Novel mouse model of Parkinson's Disease using patient-specific α -synuclein extracts: molecular and behavioural characterisation
Inga Schmidt, University of Aberdeen

Therapeutics

10.40 – 10.55 Isoform-selective EPAC activators: Therapeutic opportunities for cardiopulmonary inflammation
Graeme Barker, Institute of Chemical Sciences, Heriot-Watt University, Edinburgh

10.55 – 11.10 Cryoprecipitate transfusion in trauma patients attenuates hyperfibrinolysis and restores normal clot structure and strength; results from a sub-study of the FEISTY trial
Gael Morrow, School of Pharmacy & Life Sciences, Robert Gordon University, Aberdeen

11.10 – 11.25 GPR75, a G protein-coupled receptor target for metabolic syndrome treatment
Fiona Murray, Institute of Medical Sciences, University of Aberdeen

11.25 – 11.40 The impact of intensive lipid management on cardiovascular risk after ischaemic stroke - modelling analysis of real-world data
Cameron Smith, Institute of Cardiovascular & Medical Sciences, University of Glasgow

11.40 – 12.00 Tea/coffee/posters

12.00 – 12.45 **Keynote address: Health care in the 4th industrial revolution**
Professor Andrew Morris, *Director of Health Data Research, UK*

12.45 – 13.45 Lunch/posters

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Session 2:

Oncology

13.45 – 14.00 Applying quantitative proteomics to identify plasma proteins associated with oesophageal cancer chemotherapeutic treatment outcomes
Hasnain Ahmed, School of Medicine, University of St Andrews

14.00 – 14.15 Comparing the metabolic signature of breast cancer cells in response to olaparib and capecitabine treatment
Layla AlNoumas, Strathclyde Institute of Pharmacy & Biomedical Sciences, University of Strathclyde

14.15 – 14.30 Compartment-specific multiomic profiling of ovarian carcinosarcoma identifies candidate drivers of epithelial to mesenchymal transition
Robert Hollis, The Nicola Murray Centre for Ovarian Cancer, University of Edinburgh

14.30 – 14.45 FGF21 reverses HCC associated gene expression in hepatic organoids and HepG2 cells
Fiona Clegg, Institute of Medical Sciences, University of Aberdeen

14.45 – 15.00 Protective functions of p53 in the liver: investigating molecular mechanisms that limit diet-induced liver disease and a potential biomarker for disease progression
Celine Wittke, Glasgow Caledonian University

15.00 – 15.25 Tea/coffee/posters

Session 3:

15.25 – 15.40 **What makes a good submission for Tenovus funding?**
Professor Susan Pyne, *Chair of Tenovus Scotland National Scientific Advisory Committee*

Bio-engineering

15.40 – 15.55 Novel polymeric heart valve for global heart valve disease
Monica Kerr, Department of Biomedical Engineering, University of Strathclyde

15.55 – 16.10 Bio-assembly approaches for creating in-vitro models of the bone-tendon enthesis
Vinothini Prabhakaran, Biomedical Sciences, University of Edinburgh

Life events

16.10 – 16.25 Effective connectivity in chronic pain and adverse childhood experiences
Georgia Antoniou, Division of Population Health & Genomics, Medical Research Institute, University of Dundee

16.25 – 16.40 Multiple and multi-dimensional transitions of 2020 healthcare graduates and the impact of COVID-19
tbc, University of Dundee

16.40 – 17.00 Meeting close and Launch of 'Friends of Tenovus Scotland'

17.00 – 19.00 Refreshments