

**Cambridge BHF Centre of Research Excellence  
Annual Research Symposium  
Thursday 28 April (Virtual via Zoom)**

<b>9.00am-9.10am</b>	<b>Professor Martin Bennett</b> , Director, Cambridge BHF CRE <b>Welcome and Overview of Event</b>
<b>SESSION ONE 9.10am</b>	<b>Population and Data Science</b> <b>Chair: Professor John Danesh</b>
<b>9.10-9.25</b>	<b>Angela Wood</b> : Understanding relationships between COVID-19 and cardiovascular diseases through analyses of linked, nationally collated healthcare datasets
<b>9.25-9.40</b>	<b>Sam Lambert</b> : The Polygenic Score (PGS) Catalog: improving the interpretation, usability, and reproducibility of PGS
<b>9.40-9.55</b>	<b>Lois Kim</b> : Public health modelling to improve CVD screening
<b>9.55-10.10</b>	<b>Steve Burgess</b> : Vitamin D and major health outcomes: a non-linear Mendelian randomization adventure
<b>10.10-10.15</b>	Session One Wrap Up/Questions
<b>SESSION TWO 10.15am</b>	<b>Functional Genomics</b> <b>Chair: Professor Nicole Soranzo</b>
<b>10.15-10.30</b>	<b>Eric Harshfield</b> : Metabolic associations with ischaemic stroke, dementia, and imaging markers of cerebral small vessel disease: a comprehensive metabolomics study
<b>10.30-10.45</b>	<b>Robin Brown</b> : Central and peripheral inflammation in cerebral small vessel disease
<b>10.45-11.00</b>	<b>James Cranley</b> : Multi-omic characterisation of cellular niches in the human heart
<b>11.00-11.05</b>	Session Two Wrap Up/Questions
<b>11.05am</b>	<b>BREAK</b>
<b>11.20-12.20pm</b>	<b>Abstracts open and poster presentations in themed break out rooms</b>
<b>12.20-12.50</b>	<b>Lunch Break</b>
<b>SESSION THREE 12.50</b>	<b>Cardiometabolic Medicine</b> <b>Chair: Professor Toni Vidal-Puig, co-chair Ana Vujic</b>
<b>12.50-13.05</b>	<b>Guillaume Bidault</b> : Lipid remodelling in macrophages as a predictor of lipotoxicity
<b>13.05-13.20</b>	<b>Sue Ozanne</b> : Programming by maternal obesity: a road to poor cardio-metabolic health
<b>13.20-13.35</b>	<b>Wei Li</b> : Targeting BMP Signalling Complexes in Cardiometabolic Diseases
<b>13.35-13.50</b>	<b>Thomas Krieg</b> : Signalling during ischaemic conditions via mitochondrial metabolites
<b>13.50-13.55</b>	Session Three Wrap Up/Questions
<b>SESSION FOUR 13.55</b>	<b>Cardiovascular Medicine</b> <b>Chair: Professor Ziad Mallat</b>
<b>13.55-14.10</b>	<b>Katerina Pyrillou</b> : Loss of interleukin-1 receptor 2 on T follicular regulatory cells augments germinal centre responses and impacts atherosclerosis'
<b>14.10-14.25</b>	<b>Jane Goodall</b> : Role of GDF15 inhibition in cardiac cachexia

<b>14.25-14.40</b>	<b>Richard Tyser:</b> Form and function at the single-cell level during heart development
<b>14.40-14.45</b>	Session Four Wrap Up/Questions
<b>14.45-15.00</b>	<b>BREAK</b>
<b>15.00-15.45</b>	<b><u>Distinguished Lecturer</u> - Professor Sarah Teichmann: Mapping the human cardiovascular one cell at a time</b>
<b>SESSION FIVE 15.45</b>	<b>Translation Chair: Professor Ian Wilkinson</b>
<b>15.45-16.00</b>	<b>Peter Greasley, AstraZeneca:</b> Endothelin-1: A much neglected therapeutic target
<b>16.00-16.15</b>	<b>George Abraham:</b> Coronary Microvascular Dysfunction: Endothelin-1 as a therapeutic target
<b>16.15-16.30</b>	<b>Carmel McEneiry:</b> Cardiovascular risk following hypertension in pregnancy: The POPPY Study
<b>16.30-16.45</b>	<b>Karin Jennbacken, AstraZeneca:</b> Cardiac regeneration - an opportunity for curing heart failure
<b>16.45-16.50</b>	Session Five Wrap Up/Questions
<b>16.50-17.00</b>	<b>Closing remarks and abstract/poster prizes – Martin Bennett</b>
<b>17.00-18.00</b>	<b>Networking session with Chairs &amp; Session Speakers in themed break out rooms</b>