



## Vascular Ageing and Hypertension – Towards New Targets for Treatments

### PROVISIONAL PROGRAMME

*(the organisers reserve the right to change the programme)*

Organised by: *Dr Helle JORGENSEN, Prof Tomasz GUZIK & Prof Sheila FRANCIS*

Accreditation: CPD to apply for

#### THURSDAY 17 SEPTEMBER:

08:00 - 09:00	Breakfast ( <i>College residents only</i> )
08:45 - 10:00	Registration
08:45 - 10:00	Refreshments, exhibition + networking
10:00 - 10:10	<b>Introduction and Welcome:</b> <i>Prof Manuel MAYR</i> , Chairman, BAS
<b>SESSION 1: Hypertension – State of the Art</b>	
	<i>Chairpersons: TBD</i>
10:10 - 10:30	<b>Hypertension and Genomics</b> <i>Prof Sir Mark CAULFIELD</i> (London, UK)
10:30 - 10:40	Discussion
10:40 - 11:00	<b>Hypertension and Immunity</b> <i>Prof David HARRISON</i> (Vanderbilt, USA)
11:00 - 11:10	Discussion
11:10 - 11:40	Refreshments, exhibition + networking
<b>SESSION 2: Vascular Smooth Muscle Cells, Ageing and Cardiovascular Disease</b>	
	<i>Chairpersons: TBD</i>
11:40 - 12:00	<b>Vascular Smooth Muscle Cells in Ageing and Calcification</b> <i>Prof Cathy SHANAHAN</i> (London, UK)
12:00 - 12:10	Discussion
12:10 - 12:30	<b>Novel Insights into Premature Ageing and Atherosclerosis</b> <i>Prof Vicente ANDRES</i> (Madrid, SPAIN)
12:30 - 12:40	Discussion

12.40-13.00	<b>Clonal Expansion of Vascular Smooth Muscle Cells in Atherosclerosis</b> <i>Prof Jacob Fog BENTZON</i> (Aarhus, DENMARK)
13.00-13.10	Discussion
13.10 – 14.00	Lunch and exhibition and networking
<b>SESSION 3: EARLY CAREER INVESTIGATOR AWARDS</b>	
14:00 - 15:30	6 x <i>finalist presentations</i>
15:30 – 16.00	Refreshments, exhibition + networking <i>Chairperson: TBD</i>
16.00 - 16:50	<b>Hugh Sinclair LECTURE:</b>  <i>Prof Sir Nilesh SAMANI</i> (University of Leicester and Medical Director of the BHF)
16:50 - 17.20	BAS AGM
17:30 - 19:30	Drinks Reception and Poster Session
20:00	Conference Dinner & Young Investigator Prize Giving

## FRIDAY 18 SEPTEMBER:

07:00 - 08:30	Breakfast ( <i>College residents only</i> )
08:30 – 09:00	Registration
08:30 – 09:00	Refreshments, exhibition + networking
<b>SESSION 2: The Intersection between Inflammation and Coagulation</b>	
	<i>Chairpersons: TBD</i>
09.00 – 09.20	<b>Thrombin cleavage of Interleukin-1 alpha Links Coagulation and Inflammation</b> <i>Dr Murray CLARKE</i> (Cambridge, UK)
09.20 – 09.30	Discussion
09.30 – 09.50	<b>Crosstalk between Platelets and Immunity</b> <i>Prof Steffen MASSBERG</i> (Munich, GERMANY)
09.50 -10.00	Discussion
10:00 – 10.30	Refreshments, exhibition + networking
<b>Session 4: Emerging Methods for Detection and Analysis of Hypertension</b>	
	<i>Chairpersons: TBD</i>
10.30- 10.50	<b>Digital Health and Cardiovascular Disease</b> <i>Prof Harry HEMMINGWAY</i> (London, UK)
10:50 - 11:00	Discussion
11:00 – 11.20	<b>Precision Medicine and Cardiovascular Disease</b> <i>Prof Dame Anna DOMINICZAK</i> (Glasgow, UK)
11.20 – 11.30	Discussion
11.30 – 11.50	<b>Arterial Stiffness in Vascular Ageing</b> <i>Prof Pierre BOUTOUYRIE</i> (Paris, FRANCE)
11:50 - 12.00	Discussion
12.00 - 12.10	Concluding remarks from the BAS Chair

12.10 – 13.00	Symposium lunch
13:00 - 15:15	<b>Sponsored Symposium:</b> Single cell RNAseq - Latest Developments and Analysis Methods <i>(to be confirmed)</i>