



## From the Vulnerable Plaque to the Vulnerable Patient

### Studying the molecular basis of vulnerable plaques

- Using transcriptomics to study the vulnerable coronary plaque
- Genome wide association studies: new lessons and new targets
- Global epigenetics of atherosclerotic smooth muscle cells
- Matrix metalloproteinase regulation of vulnerable plaques

Robin CHOUDHURY (Oxford)  
Nilesh SAMANI (Leicester)  
Helle JORGENSEN (Cambridge)  
Jason JOHNSON (Bristol)

### Identifying and imaging vulnerable plaques

- Discovering new biomarkers to detect the vulnerable plaque
- The immune system as a target for high definition imaging of atherosclerosis
- Detecting unstable plaques in humans

Keith CHANNON (Oxford)  
Zahi FAYAD (New York)  
David NEWBY (Edinburgh)

### Treating vulnerable patients

- Targeting PCSK-9: Implications for basic science and upcoming challenges
- Current approaches to target cardiovascular inflammation
- Targeting HDL: What's next in basic science after the REVEAL trial

Alberico CATAPANO (Milan)  
Ziad MALLAT (Cambridge)  
Arnold VON ECKARDSTEIN (Zurich)

### Hugh Sinclair Keynote Lecture:

Scientific Basis of Health:  
Imaging, Omics and Behaviour

**Valentin FUSTER**  
Editor-in-Chief JACC  
Mount Sinai, New York



Olink-Sponsored Biomarker Symposium  
Early Career Investigator Award Session  
Moderated Poster Session

Accreditation:

To be applied for by the Federation of the Royal Colleges of Physicians for 10 category 1 (external) CPD credit(s).

