



# Ischaemic conditioning and targeting reperfusion injury a 30 year voyage of discovery

**Thur May 12<sup>th</sup> and Fri 13<sup>th</sup> 2016**  
Aula Magna, School of Medicine  
Hospital Universitari Vall d'Hebron  
**Barcelona, Spain**

Meeting Directors: **Derek J Hausenloy & David Garcia-Dorado**

## Scientific Committee

Hans Erik Botker, James Downey, Peter Ferdinandy, Gerd Heusch, Michael Marber, Michel Ovize, Rainer Schulz, Jakob Vinten-Johansen, Derek Yellon





## PRELIMINARY PROGRAM

### DAY 1 – Thursday 12<sup>th</sup> May 2015

1300-1330 Registration/Put posters up on display

1330 Welcome and Introduction  
*David Garcia-Dorado (Hospital Universitari Vall d'Hebron, Spain)*  
*Derek Hausenloy (Duke-NUS, Singapore)*

#### **Session 1 Ischaemic preconditioning (1986)**

Chairpersons: *Gerd Heusch (University of Essen, Germany)*  
*Derek Yellon (University College London, UCL)*

1330-1350 The discovery of ischaemic preconditioning  
*Robert Jennings (Duke University, USA)*

1350-1410 The mechanisms underlying ischaemic preconditioning  
*James Downey (University of Alabama, USA)*

1410-1430 The application of ischaemic preconditioning: The RISK pathway  
*Derek Yellon (University College London, UK)*

#### **Session 2 Delayed preconditioning or the Second Window of Protection (1993)**

Chairpersons: *Jose A Barrabés (Hospital Universitari Vall d'Hebron, Spain)*  
*Rainer Schulz (Giessen University, Germany)*

1430-1450 The discovery of delayed preconditioning or SWOP  
*Michael Marber (King's College London, UK)*

1450-1510 The mechanisms underlying delayed preconditioning or SWOP  
*Esthathis Iliodromitis (University of Athens, Greece)*

1510-1530 Panel discussion

1530-1600 **COFFEE BREAK AND POSTER VIEWING**



### **Session 3 Remote ischaemic preconditioning (1993)**

Chairpersons: *Derek Hausenloy (Duke-NUS, Singapore)*  
*Rajesh Kharbanda (University of Oxford, UK)*

1600-1620 The discovery of remote ischaemic preconditioning  
*Karin Pryzklenk (Wayne State University, US)*

1620-1640 The mechanisms underlying remote ischaemic preconditioning  
*Andrew Redington (University of Cincinnati, US)*

1640-1700 The clinical application of remote ischaemic conditioning  
*Hans Botker (Aarhus University, Denmark)*

### **Session 4 Ischaemic postconditioning (2003)**

Chairpersons: *Thomas Engstrom (University of Copenhagen, Denmark)*

1700-1720 The discovery and underlying mechanisms of ischaemic postconditioning  
*Jakob Vinten-Johansen (Emory University, USA)*

1720-1740 The clinical application of ischemic postconditioning  
*Michel Ovize (University of Lyon, France)*

1740-1800 Panel discussion

1800-2000 **WINE RECEPTION AND POSTER SESSION**

20:30 Celebratory Dinner



## **DAY 2 – Friday 13<sup>th</sup> May 2015**

### **Session 5 Beyond ischaemic conditioning (2011 and beyond)**

Chairpersons: *Esthathis Iliodromitis (University of Athens, Greece)*  
*Joan Montaner (Barcelona, Spain)*

0900-0920 Ischaemic conditioning and co-morbidities  
*Peter Ferdinandy (Budapest, Hungary)*

0920-0940 Ischaemic conditioning and mitochondria  
*Marisol Ruiz-Meana (Barcelona, Spain)*

0940-1000 Ischaemic conditioning and the brain  
*Miguel A. Perez-Pinzon (Miami, US)*

1000-1030 **COFFEE BREAK AND POSTER VIEWING**

### **Session 6 Oral abstract presentation**

Chairpersons: TBC

1030-1045 Abstract 1

1045-1100 Abstract 2

1100-1115 Abstract 3

1115-1130 Abstract 4

1130-1145 Abstract 5

1145-1200 Abstract 6



## **Session 7 Myocardial reperfusion injury: underlying molecular mechanisms (I)**

Chairpersons: *Robert Jennings (Duke University, USA)*  
*Lina Badimon (Hospital de san Pau, Barcelona, SP)*

1200-1220 The discovery of myocardial reperfusion injury  
*Hans Michael Piper (University of Dusseldorf, Germany)*

1220-1240 Late reperfusion injury – a new therapeutic target?  
*Derek Hausenloy (Duke-NUS, Singapore)*

1240-1300 Oxidative stress and altered calcium handling  
*Javier Inverte (Hospital Universitari Vall d'Hebron, Spain)*

1300-1400 **LUNCH AND POSTER VIEWING**

## **Session 8 Myocardial reperfusion injury: underlying molecular mechanisms (II)**

Chairpersons: *Robert Jennings (Duke University, USA)*  
*Lina Badimon (Hospital de san Pau, Barcelona, SP)*

1400-1420 The MPTP and mitochondrial calcium uniporter  
*Fabio Di Lisa (University of Padova, Italy)*

1420-1440 Diabetes and cardioprotection  
*Tetsuji Muira (Sapporo, Japan)*

1440-1500 Extracellular nucleic acids as a therapeutic target for ischemia/reperfusion injury  
*Hector Alejandro Carbrera-Fuentes (Duke-NUS, Singapore)*

1500-1520 Microvascular injury – a neglected therapeutic target  
*Gerd Heusch (University of Essen, Germany)*

1520-1550 **COFFEE BREAK AND POSTER VIEWING**



## Session 9 Pharmacological prevention of reperfusion injury

Chairpersons: *Johann Vinten-Johansen (Emory University, USA)*  
*Stefan Janssen (Leuven University, Belgium)*

- 1550-1610 Cyclosporine and other modulators of the MPTP  
*Michel Ovize (Lyon, France)*
- 1610-1630 GLP-1 mimetics  
*Thomas Engstrom (University of Copenhagen, Denmark)*
- 1630-1650 Beta blockers  
*Borja Ibanez (CNIC, Spain)*
- 1650-1710 PKG activators and combined therapies  
*David Garcia-Dorado (Hospital Universtari Vall d'Hebron, Spain)*

## Session 10 Beyond reperfusion injury: preventing early post-infarction remodeling

Chairpersons: *Javier Diez (CIMA, Pamplona, Spain)*  
*Antoni Bayes (Hospital Universitari Germans Tries i Pujol, Spain)*

- 1710-1730 Drug therapy for post-infarction remodeling?  
*Lina Badimon (Hospital de san Pau, Barcelona, SP)*
- 1730-1750 Genes, growth factors, cell therapy for cardioprotection  
*Stefan Janssens (University of Leuven, Belgium)*

## Conclusions and farewell

- 1750 *Derek Hausenloy (University College London, UK)*  
*David Garcia-Dorado (Hospital Universitari Vall d'Hebron)*

