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

Dates: Thur May 12th and Fri 13th 2016

Venue: 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 12th 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)


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 13th 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 Inserte (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 Universitari 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)*