Preliminary programe

Day 1: Monday 1st April 2019

17:00 - 21:30
Welcome Faculty Cocktail/Dinner
Details to be provided

Scientific program

Day 2: Tuesday 2nd April 2019

Venue  STIAS, University of Stellenbosch, 10 Marais Road

08:00  Registration
08:30  Welcome Address
Derek J. Hausenloy (Singapore-London, UK)
Klaus T. Preissner (Giessen, Germany)
Hector Cabrera-Fuentes (Giessen, Germany)

Session 1  Inflame my heart not too hard  8.40-10.00

Juergen Bernhagen (Munich, Germany) (15’):
The atypical chemokine interactome in atherosclerosis

William Boisvert (Hawaii, USA) (15’):
Role of CD98 in atherosclerosis

Carl-Wilhelm Vogel (Hawaii, USA) (15’):
The role of the complement system in cardiac reperfusion injury and other diseases

Klaus T. Preissner (Giessen, Germany) (15’):
Nucleic acid DAMPs as double-edged sword in cardiovascular protection

Questions/ Discussion time (20’)

Coffee break/poster viewing  10.00 – 10.30

Session 2  Almost all about mitochondria  10.30 – 12.15

Ludwig Maximilian University-Singapore (LMU-SGP session)
Chair: Prof Juergen Bernhagen (Munich, Germany)

Fabio Di Lisa (Padova, Italy) (15’):
The mitochondrial permeability transition pore. Novel information and questions

Derek Hausenloy (Singapore – UK) (15’):
Mitochondrial fission as target for cardioprotection
Hector Cabrera-Fuentes (Giessen, Germany - Singapore) (15’):
Targeting mitochondrial fusion and fission to prevent atherosclerosis: getting the balance right

Paul Yen (Singapore) (15’):
ERRα as a modulator of mitochondrial action and mitophagy

Coert Zuurbier (Amsterdam, Netherland) (15’):
Mitochondrial hexokinase as end-effector of cardioprotection

Questions/discussions (30’)

Lunch 12.15 – 13.00
Session 3 Cardiac signals in and out 13.00 – 14.20

Petra Kleinbongard (Essen, Germany) (15’):
Signal transduction of remote ischemic conditioning: the vago-splenic axis

Manvendra Singh (Singapore) (15’):
Semaphorin-Plexin Signaling and ventricular non-compaction

Barbara Huisamen (Stellenbosch, South Africa) (15’):
ATM proteins in cardioprotection

Sean Davidson (London, UK) (15’):
Exosomes and cardiac protection

Questions/discussions (20’)

Session 4 Young investigators 1 (selected abstracts) 14.30 – 15.45

Speaker Y1
Speaker Y2
Speaker Y3
Speaker Y4
Speaker Y5
Speaker Y6

Coffee Break 15.45-16.00

Session 5 Young investigators 2 (selected abstracts) 16.00 – 17.15

Speaker Y1
Speaker Y2
Speaker Y3
Speaker Y4
Speaker Y5

18.00-21.30: Meeting Dinner.
Amazinklive, Kaymandi, Stellenbosch  
(Bus transfer will be organized from STIAS and from/to the Oudewerf Hotel)

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<tr>
<th>Session 6</th>
<th>Novel aspects and strategies in cardiology</th>
<th>9.00-10.20</th>
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<tbody>
<tr>
<td><strong>Fulvia Ferrazzi</strong> (Erlangen, Germany) (15’):</td>
<td>Genomics data on mechanotransduction in striated muscle</td>
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<tr>
<td><strong>Elisabeth Deindl</strong> (Munich, Germany) (15’):</td>
<td>Extracellular RNA controls natural bypass vessel growth by mediating mechanotransduction</td>
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<td><strong>Karlheinz Peter</strong> (Melbroune, Australia) (15’):</td>
<td>The tandem stenosis mouse model: A unique tool to develop technologies to image unstable plaques and to discover drugs for plaque-stabilisation.</td>
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<td><strong>Malcom Walker</strong> (London, UK) (15’):</td>
<td>Strategies for the use of cardiac MRI in developing countries</td>
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<td>Questions/discussions: (20’)</td>
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<td><strong>Coffee break</strong></td>
<td>10.20 – 10.50</td>
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<th>Session 7</th>
<th>Towards cardioprotection and regeneration</th>
<th>10.50-12.30</th>
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<tr>
<td><strong>Amanda Lochner</strong> (Stellenbosch, South Africa) (15’):</td>
<td>My journey in cardioprotection: the good and bad</td>
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<td><strong>Derek Yellon</strong> (London, UK) (15’):</td>
<td>Developing a multi-target strategy to protect the heart from acute myocardial ischemia/reperfusion injury</td>
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<td><strong>Robert Bell</strong> (London, UK) (15’):</td>
<td>SGLT inhibitors and the heart: emerging paradigms in ischaemia / reperfusion injury</td>
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<td><strong>Felix Engel</strong> (Erlangen, Germany) (15’):</td>
<td>Potential of binucleated cardiomyocytes to contribute to cardiac regeneration</td>
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| **Kevin Sack** (Cape Town, South Africa) (15’): | TBC  
Computer modelling for cardiac regeneration |
| Questions/Discussion: (25’) | |
| **LUNCH** | 12.30-13.15 |
Session 8  Cardiovascular risk factors  13.15-14.45

Rosalinda Madonna (Chieti, Italy) (15’):  
Cellular senescence, adiposopathy and cardiometabolic disease

Daniel Sedding (Hannover, Germany)(15’):  
Improving senescent endothelial function by partial reprogramming

Hans Strijdom (Stellenbosch, South Africa) (15’):  
HIV and endothelial function

Faadiel Essop (Stellenbosch, South Africa) (15’):  
Hyperglycemia and cardiovascular disease

Discussion/ questions (30’)

Coffee Break  14.45-15.15

Session 9  The heart and its neighbours  15.15-16.20

John Cunningham (London, UK) (15’):  
Crosstalk between Kidney, Heart and Bone

Emilio Hirsch (Turin, Italy) (15’):  
Integrating PI3K and PKA: from the heart to the lung

Ioanna Andreadou (Athens, Greece) (15’):  
Molecular mechanisms of Carfilzomib-induced cardiotoxicity in mice

Questions/discussions (20’)

Concluding remarks  16.20- 16.30

Free evening
Post-meeting event

Thursday 4th April 2019

Day Excursion in the Winelands (including Franschhoek)
Sponsors

South African National Research Foundation
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South African Medical Research Council
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Chris Barnard Funds
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South African Society for Cardiovascular Research
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Ludwig Maximilian University-Singapore
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European Society of Cardiology
Working group in cellular biology of the heart
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Axiologylabs
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