

6<sup>th</sup> Frontiers in Cardiovascular Research, Stellenbosch, 1-4<sup>th</sup> April 2019  
STIAS, 10 Marais Road

Preliminary programme

Day 1: Monday 1<sup>st</sup> April 2019

17:00 - 21:30

Welcome Faculty Cocktail/Dinner  
Details to be provided

*Scientific program*

Day 2: Tuesday 2<sup>nd</sup> 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)

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| <b>Session 1</b> | <b>Inflame my heart not too hard</b> | <b>8.40-10.00</b> |
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**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')**

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| <b>Coffee break/poster viewing</b> | <b>10.00 – 10.30</b> |
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| <b>Session 2</b> | <b>Almost all about mitochondria</b> | <b>10.30 – 12.15</b> |
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*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’):**

ERRa as a modulator of mitochondrial action and mitophagy

**Coert Zuurbier (Amsterdam, Netherland) (15’):**

Mitochondrial hexokinase as end-effector of cardioprotection

**Questions/discussions (30’)**

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| <b>Lunch</b>     |                                   | <b>12.15 – 13.00</b> |
| <b>Session 3</b> | <b>Cardiac signals in and out</b> | <b>13.00 – 14.20</b> |

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**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’)**

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| <b>Session 4</b> | <b>Young investigators 1 (selected abstracts)</b> | <b>14.30 – 15.45</b> |
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Speaker Y1  
Speaker Y2  
Speaker Y3  
Speaker Y4  
Speaker Y5  
Speaker Y6

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| <b>Coffee Break</b> |  | <b>15.45-16.00</b> |
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| <b>Session 5</b> | <b>Young investigators 2 (selected abstracts)</b> | <b>16.00 – 17.15</b> |
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Speaker Y1  
Speaker Y2  
Speaker Y3  
Speaker Y4  
Speaker Y5

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**18.00-21.30: Meeting Dinner.**



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| <b>Session 8</b> | <b>Cardiovascular risk factors</b> | <b>13.15-14.45</b> |
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**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’)**

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| <b>Coffee Break</b> | <b>14.45-15.15</b> |
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| <b>Session 9</b> | <b>The heart and its neighbours</b> | <b>15.15-16.20</b> |
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**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’)**

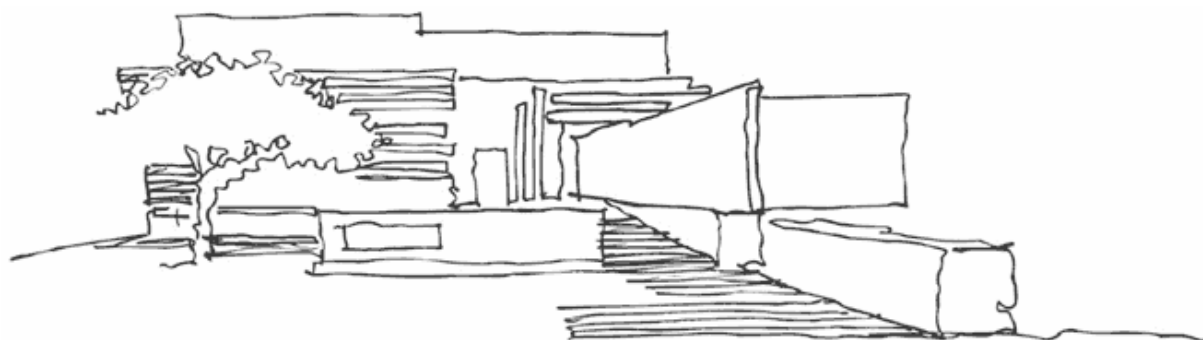
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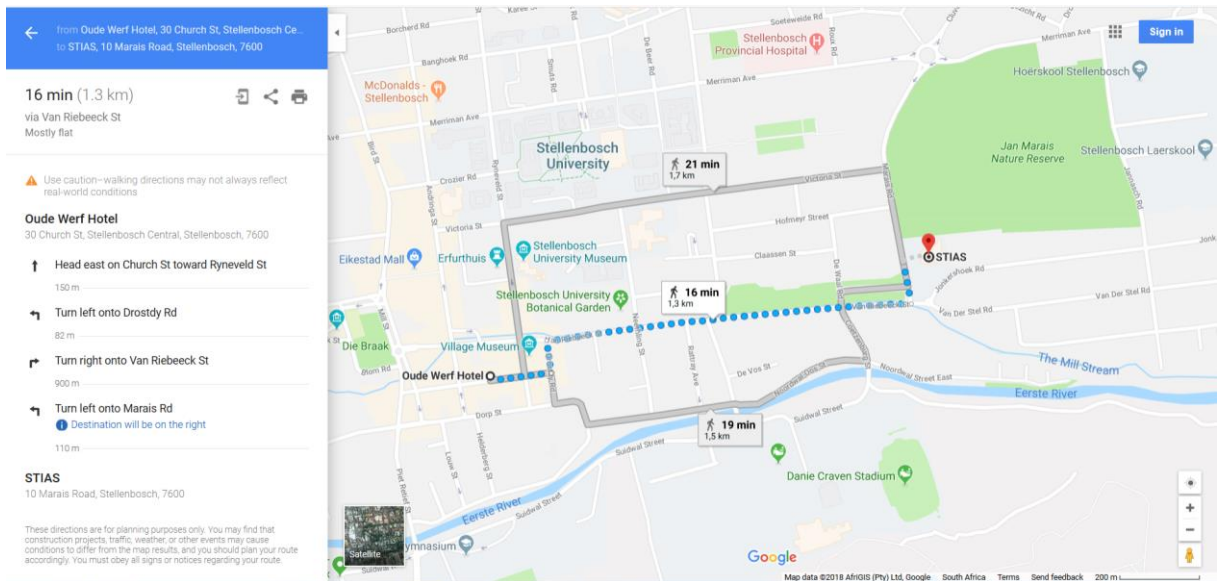
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| <b>Concluding remarks</b> | <b>16.20- 16.30</b> |
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**Free evening**



A CREATIVE SPACE FOR THE MIND



*Post-meeting event*

**Thursday 4<sup>th</sup> April 2019**

**Day Excursion in the Winelands (including Franschoek)**

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**European Society of Cardiology**

**Working group in cellular biology of the heart**

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