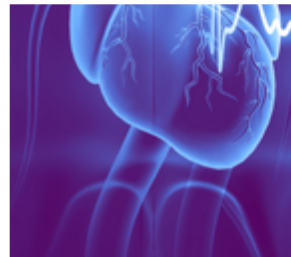




CELEBRATING THE FRATER WAY!

REFLECTIONS, SUGGESTIONS AND THE ART OF SOARING



PROGRAMME

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HEALTH SCIENCES
THE SCHOOL OF CLINICAL MEDICINE
ROBERT WM FRATER
CARDIOVASCULAR RESEARCH CENTRE

THURSDAY, 05 MAY 2022

SYMPOSIUM (Online meeting link will be available)

GUEST OF HONOR: DR RONNIE VAN DER MERWE (Group CEO: Mediclinic International)

PROGRAMME COORDINATOR: PROF FRANCIS E SMIT

SESSION 1: 08:30 – 10:00 CLINICAL RESEARCH REVIEW

**CO-CHAIRS: Prof Stephen Brown
Prof Ntobeko Ntusi (UCT)**

Coordinators: Prof Stephen Brown, Dr Leselle Botes, Mr Manie Hanekom

1. 08:30 – 08:35 Opening (Dr E Turton)
2. 08:35 – 08:40 Welcome (Prof GJ van Zyl, Dean)
3. 08:40 – 08:45 The Robert W M Frater Cardiovascular Research Centre structure and concept (Prof F Smit)
4. 08:45 – 09:00 Dilating Cardiomyopathy
Prof M Makotoko, Mr M Hanekom, Prof F Smit)
5. 09:00 – 09:50 Epidemiology and treatment outcomes of Cardiac Disease in Central South Africa
 - a. Cardiology (Prof S Brown, Dr L Botes)
 - b. Cardiothoracic Surgery (Mr M Hanekom, Prof F Smit)
6. 09:50 – 10:05 Discussion

TEA: 10:05 – 10:30

SESSION 2: 10:30 – 12:00 BIO-ENGINEERING AND BASIC SCIENCE REVIEW

**CO-CHAIRS: Prof Pascal Dohmen (Rostock, Germany)
Prof Carlos Mestres (Barcelona, Spain)**

Coordinators: Dr Angelique Lewies, Dr Hans van den Heever,
Me Prennie Marimuthu, Dr Leselle Botes, Dr Gerrie Booysen,
Prof Francis Smit, Dr Hellmuth Weich

1. 10:30 – 10:35 Challenges in Heart Valve Design for Africa (Prof F E Smit)
2. 10:35 – 11:05 Mechanical Engineering Perspectives on Heart valve-design (Dr J Jordaan, Mr K Davis, Ms E Wium, Mr A Oelofse, Dr G Booysen, Dr H Weich)
3. 11:05 – 11:35 Tissue engineering, large animal research and the development of alternative tissue scaffolds (Dr A Lewies, Dr H van den Heever, Dr L Botes)
4. 11:35 – 11:45 Organoids and cardiovascular pharmacology (Dr A Lewies, Dr E Turton)
5. 11:45 – 12:00 Discussion

15-minute break: 12:00 – 12:15

SESSION 3: 12:15 – 13:00

A REVIEW OF OUTCOMES OF THE USE OF A MULTI-PORT SUPPLEMENTARY OXYGEN DELIVERY SYSTEM IN A RESOURCE-LIMITED ENVIRONMENT

CHAIR: Lt Col (Dr) Cloete van Vuuren
Commentary: Dr Edwin Turton

Coordinators: Prof Francis Smit, Dr Edwin Turton, Mr Manie Hanekom,
Dr Johan Jordaan, Dr Leselle Botes

6. 12: 15– 12:22 Project concept and design challenges (Prof F Smit, Mr A Oelofse)
7. 12:22 – 12:29 Outcomes of Non-invasive ventilation (NIV) in Covid-19 (Dr S Cassim)
8. 12:29 – 12: 36 Biochemical markers and outcomes in Covid-19 Patients (Dr V Nkuna)
9. 12:36 – 12:43 Risk-adjusted Patient profiles and outcomes (Dr J T Coetzee)
10. 12:43 – 12:50 The human experience in an open plan Covid -19 supplementary oxygen delivery facility (Dr M Chigwada)
11. 12:50 – 13:00 Discussion and Commentary (Dr E Turton)

LUNCH 13:00 – 13:45

SESSION 4: 13:45 – 16:30

INTEGRATED MULTI-DISCIPLINARY SIMULATION TRAINING IN CARDIOVASCULAR SURGERY AND RELATED DISCIPLINES

CO-CHAIRS: Dr Jehron Pillay
Dr Rafael Sadaba Sagredo
(Secretary General European Association of
Cardiothoracic Surgeons (EACTS))

Coordinators: Prof Francis Smit, Prof Mathys Labuschagne, Dr Jehron Pillay,
Prof Corné Nel, Prof Freddie Claassen, Dr Edwin Turton,
Prof Alicia Sheriff

1. 13:45 – 14:00 The Concept (Prof F Smit)
2. 14:00 – 14:15 Simulation training (Prof M Labuschagne)
3. 14:15 – 14:30 Concept Example (Dr J T Coetzee, Dr S Cassim)
4. 14:30 – 15:30 The Simulation unit at work (Video for webinar attendees)

TEA: 15:30 – 15:45

5. 15:45 – 16:05 The *my-eCampus* platform (Dr J Pillay)
6. 16:05 – 16:20 Discussion
7. 16:20 – 16: 30 Comments by our Guest of Honour, Dr Ronnie van der Merwe,
Group CEO of Mediclinic International
8. 16:30 Closure (Prof F Smit)



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EVENING PROGRAMME

CELEBRATION DINNER – ‘The Frater way: Reflections, suggestions and the art of soaring!’

GUEST SPEAKER: Dr Ronnie van der Merwe, Group CEO of Mediclinic International
TIME: 19:00
VENUE: Centenary Complex, Bloemfontein campus of the University of the Free State
DRESS: Smart Casual (No jeans)