

Cape Town Preeclampsia Symposium

**Tuesday 7th February,
Blue Ribbon Room, Commodore Hotel, Waterfront**

08:00-10:30 Pre-clinical research

Chairs: Dr Olivia Nonn and Prof Tu'uhevaha, Kaitu'u-Lino

	Title	Presenter
08:00-08:20	Welcome	A.Prof Cathy Cluver and A.Prof Lina Bergman Stellenbosch and Gothenburg University, Sweden
08:20-08:35	A preclinical pipeline to study molecules dysregulated in preeclampsia	Prof Tu'uhevaha Kaitu'u-Lino University of Melbourne, Australia
08:35-08:50	Disturbed trophoblast transition links preeclampsia progression from placenta to the maternal syndrome	Dr Olivia Nonn Charité University Medicine, Berlin
08:50-09:05	Identifying novel biomarkers for preeclampsia	Prof Tu'uhevaha Kaitu'u-Lino University of Melbourne, Australia
09:05-09:20	Panel discussion	
09:20-09:30	Using a translational approach to evaluate neuroprotective drugs in preeclampsia	A.Prof Lina Bergman University of Gothenburg, Sweden
09:30-09:40	Neuroinflammatory links in preeclampsia	Valentina Bucher University of Gothenburg, Sweden
09:40-09:50	tRNA fragments: circulating syncytiotrophoblast signals in early-onset preeclampsia	Dr William Cooke Oxford University
09:50-10:00	Furan fatty acids in early second trimester of women who develop preeclampsia later in pregnancy	Dr Inger Björk Ragnadottir Uppsala University, Sweden
10:00-10:10	Glycocalyx degradation products and organ dysfunction in preeclampsia	Dr Niclas Carlberg Gothenburg University, Sweden
10:10-10:20	Panel discussion	
TEA		



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11.00-17.00 **Organ complications**
Chairs: A.Prof Cathy Cluver and A.Prof Lina Bergman

	Title	Presenter
PREECLAMPISA IN LMIC SETTING		
11.00-11.10	Obstetrical critical care unit at Tygerberg University Hospital	Dr Eduard Langenegger Stellenbosch University, South Africa
11:10-11:20	Treating the severely ill woman with preeclampsia	Dr Samantha Budhram Stellenbosch University, South Africa
11:20-11:30	Challenges in preeclampsia in an LMIC	Dr Amy Wise University of the Witwatersrand, South Africa
11:30-11:40	Challenges in preeclampsia in an LMIC	Dr Ntsiki Gubu-Ntaba Walter Sisulu University, South Africa
11:40-11:50	Challenges in preeclampsia in an LMIC	A.Prof Tshidi Sebitloane University of Kwazulu-Natal, South Africa
11:50-12:20	Panel Discussion	
LUNCH		
BRAIN		
13:30-13:40	Cerebral biomarkers in preeclampsia	Dr Emma Bokström-Rees University of Gothenburg, Sweden
13:40-13:50	Cerebral edema, ischemia and perfusion in preeclampsia and eclampsia	Prof Johan Wikström Uppsala University, Sweden
13:50-14:00	Medium-term neurological complications after preeclampsia	Dr Therese Friis Uppsala University, Sweden
14:00-14:10	Improved characterization of eclampsia (ICE) study	Dr Roxanne Hastie University of Melbourne, Australia
14:10-14:30	Panel discussion	
HEART		
14:30-14:40	Cardiovascular hemodynamics in pregnancy and preeclampsia	Dr Karl Bergman University of Gothenburg, Sweden
14:40-14:50	Pulmonary edema in preeclampsia	Dr Lloyd Joubert Stellenbosch University, South Africa
14:50-15:00	Cardiovascular risk factors for preeclampsia	Dr Karl Bergman University of Gothenburg, Sweden
15:00-15:20	Panel discussion	
TEA		
RENAL		
15:50-16:10	Hypertensive disease of pregnancy as a future risk for chronic kidney disease in South Africa	Dr Bianca Davidson A.Prof Nicola Wearne A.Prof Erika Jones University of Cape Town, South Africa
16:10-16:20	Proteinuria in preeclampsia	Dr Amy van Rooyen Stellenbosch University, South Africa
16:20-16:40	Panel discussion	
WHAT NEXT		
16:40-17:00	Discussion: How to we proceed from here?	A.Prof Cathy Cluver Stellenbosch University, South Africa



**Wednesday 8th February,
Lecture Hall L3, Faculty of Medicine and Health Sciences, Stellenbosch
University, Tygerberg Hospital**

09.00-12:00 **Grant writing workshop,**
Professor Stephen Tong, University of Melbourne, Australia

Session 1: Plotting a grant 09:00-10:00	THE AUDIENCE: Thinking about who will be reviewing it THE HOOK: Ways to hook the reviewer THE SCRIPT: Structuring the arc of the grant THE SCIENCE: Ways to make your grant bullet proof
TEA	
Session 2: Writing the Grant 10:30-12:00	ON GOOD WRITING: Tips how to write concisely, precisely, clearly. Ways to deliver prose that has impact. THE START: Introducing the grant...the one pager vs a pitchy introduction THE MIDDLE: Structuring the intro and methods to make them easily digested THE END: Ways to end strongly PUTTING IT ALL TOGETHER: Approach to editing a grant.

13.00 **Hospital tour (Tygerberg Hospital)**
A.Prof Cathy Cluver, A.Prof Lina Bergman, Sr Sonja Schell, Sr Julia Benting, and
Dr Eduard Langenegger
Meet outside Cups and Saucers, Faculty of Medicine and Health Sciences



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14.30-17:30 Epidemiology workshop and patient's perspectives

Chairs: Prof Anna-Karin Wikström and Dr Roxanne Hastie

	Title	Presenter
EPIDEMIOLOGY		
14.30-14:40	Welcome	Prof Anna-Karin Wikström and Dr Roxanne Hastie
14:40-14:50	Swedish national registers	Prof Anna-Karin Wikström, Uppsala University, Sweden
14:50-15:00	Aspirin and risk of recurrent preterm birth	Dr Ellen Kupka University of Gothenburg, Sweden
15:00-15:10	Aspirin and bleeding complications	Dr Roxanne Hastie University of Melbourne, Australia
15:10-15:30	Discussion	Presenters
TEA		
16:00-16:10	Outcome after mild neonatal hypoxic ischemic encephalopathy	Prof Maria Jonsson Uppsala University, Sweden
16:10-16:20	Fetal growth trajectory and adverse perinatal outcome	Dr Linda Lindström Uppsala University, Sweden
16:20-16:30	Waist circumference as a first-trimester predictor for adverse obstetric outcomes	Dr Katja Junus Uppsala University, Sweden
16:30-16:50	Discussion	
PATIENT'S PERSPECTIVES		
16:50-17:00	Partners' experience of preeclampsia	RN Lilja Thorgeirsdottir University of Gothenburg, Sweden
17:00-17:10	Mothers' view of what is important	A.Prof Cathy Cluver and A.Prof Lina Bergman Stellenbosch University, South Africa
17:10-17:30	Discussion	Presenters



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**Thursday 9th February,
America's Cup Room, Commodore Hotel, Waterfront**

08.30-12.00 Diagnostics and Prediction workshop

Chairs: Prof Tu'uhevaha Kaitu'u-Lino and A.Prof Lina Bergman

	Title	Presenter
8:30-8:40	Welcome	A.Prof Tu'uhevaha Kaitu'u-Lino and and A.Prof Lina Bergman
ANGIOGENIC MARKERS		
08:40-08:50	Repeat PIGF-based testing in suspected preterm pre-eclampsia	Dr Alice Hurrell Kings College, United Kingdom
08:50-09:00	Angiogenic markers for prediction of preeclampsia	Dr Sofia Cerdeira University of Oxford, United Kingdom
09:00-09:10	First trimester screening- implementation and health economics	Prof Jenny Myers University of Manchester, United Kingdom
09:10-09:40	Panel discussion	
09:40-09:50	Angiogenic biomarkers in preeclampsia with multiorgan failure	Dr Roxanne Hastie University of Melbourne, Australia
09:50-10:00	Point of care angiogenic markers – how to use them in an LMIC	Prof Andrew Shennan Kings College, United Kingdom
10:00-10:20	Panel discussion	
TEA		
PREDICTION		
10.50-11.00	Prediction of end organ complications in preeclampsia	A.Prof Lina Bergman Stellenbosch and Gothenburg Universities
11.00-11.10	PIERS AI Model for prediction of adverse outcomes in preeclampsia	Prof Peter von Dadelszen Kings College, United Kingdom
11:10-11:20	Prediction of chronic hypertension after preeclampsia	Nicole Wallin University of Gothenburg, Sweden
11:20-11:40	Panel discussion	
11:40-11:50	The prevalence of preeclampsia with gestational age in SGA/FGR and relationship with outcome	Prof Christopher Lees Imperial College, United Kingdom
11:50-12:00	Impact of FGR on pregnancy outcomes in women undergoing expectant management for preterm preeclampsia	A.Prof Cathy Cluver Stellenbosch University, South Africa
12.00-12.10	Growth trajectories in preterm preeclampsia	Prof Stephen Tong University of Melbourne, Australia
12:10-12:30	Panel discussion	Presenters



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13.30-17.00 **Therapeutics and Intervention workshop**
Chairs: Prof Stephen Tong and A.Prof Cathy Cluver,

	Title	Speaker
13.30-13.40	Welcome	Prof Stephen Tong and A.Prof Cathy Cluver
CLINICAL TRIALS		
13.40-13.50	GSNO	Prof Christopher Lees Imperial College, United Kingdom
13.50-14.00	Short interfering RNA	Dr Allison August Comanche, United States Prof Thomas McElrath Harvard University, United States
14.00-14.20	Panel Discussion	
14.20-14.30	Metformin	A.Prof Fiona Brownfoot University of Melbourne
14.30-14.45	PI 2, PI 3, PI 4 and APPLE PI	A.Prof Cathy Cluver Stellenbosch University, South Africa
14.45-15.00	Panel Discussion	
TEA		
PHARMACOKINETICS		
15.30-16.00	Pharmacokinetics in preeclampsia	A.Prof Eric Decloedt Dr Veshni Pillay-Fuentes Lorente Stellenbosch University, South Africa
16.00-16.10	Panel Discussion	
CLINICAL TRIALS		
16.10-16.30	GIANT and BABY PANDA	Dr Fran Conti-Ramsden Kings College, United Kingdom
16.30-16.40	CRADLE 4	Dr Alice Beardmore-Gray Kings College, United Kingdom
16.40-17.00	Discussion	



**Friday 10th February,
Lecture Hall L6, Faculty of Medicine and Health Sciences, Stellenbosch
University, Tygerberg Hospital**

8.00-9.30 **Labour ward tour for plenary speakers**

09:45-17:30 **International plenary sessions**

Chairs: A.Prof Cathy Cluver and A.Prof Lina Bergman

09:45-10:00	Welcome	Professor Nico Gey van Pittius, Vice Dean of Research Stellenbosch University, South Africa
10:00-10:20	Cardiovascular phenotypes of preeclampsia	Professor Christopher Lees, Imperial College, United Kingdom
10:20-10:40	Preeclampsia research in Swedish national registers	Professor Anna Karin Wikström, Uppsala University, Sweden
10:40-11:00	Panel discussion	
TEA		
11:30-11:50	Bench to bedside research to find disease modifying drugs for preeclampsia	Professor Stephen Tong, Melbourne University, Australia
11:50-12:10	Preeclampsia and kidney disease - a vicious circle?	Professor Kate Bramham, Kings College, United Kingdom
12:10-12:30	Prediction models in preeclampsia	Professor Peter von Dadelszen, Kings College, United Kingdom
12:30-13:00	Panel discussion	
LUNCH		
14:00-14:20	Recent development in angiogenic markers: How to implement into antenatal triage	Professor Andrew Shennan, Kings College, United Kingdom
14:20-14:40	Trophoblast Extracellular Vesicles - new insights	Professor Manu Vatish, Oxford University, United Kingdom
14.40-15:00	Antihypertensive treatment in preeclampsia	Professor Laura Magee, Kings College, United Kingdom
15:00-15:20	Panel Discussion	
TEA		
15:50-16:10	Interpregnancy and post pregnancy cardiometabolic health: let's get upstream and see where women are falling in?	Professor Jenny Myers, University of Manchester, United Kingdom
16:10-16:30	Microvascular dysfunction: from preeclampsia to cardiovascular disease	Professor Ralf Dechend, Charité University Medicine, Berlin
16:30-16:50	Cell Free RNA as a Biomarker to Stratify Maternal Risk of Preeclampsia and other Adverse Pregnancy Outcomes	Professor Thomas McElrath, Harvard University, United States
16:50-17:20	Panel Discussion	
17:20-17:30	Thank you	



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Cape Town Preeclampsia Symposium

Transport

The easiest and safest way to get to the venues is **by Uber**.

For the Tuesday and Thursday, the meeting will be at
Commodore Hotel, Blue Ribbon Room (Tuesday) and room America's Cup (Thursday).
Portswood Road
Victoria and Albert Waterfront

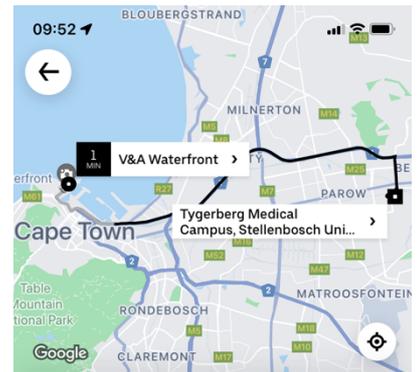
For the Wednesday and Friday, the meeting will take place at:
Tygerberg Medical Campus

Lecture Hall 3 (Wednesday) and Lecture Hall 5 (Friday).

The uber-ride takes approximately 45 minutes from Waterfront and Atlantic Seaboard. Please see map and address for directions. From the main entrance to the Medical Building, there will be signs directing you to the lecture hall.

Address:

Tygerberg Medical Campus
Francie van Zijl Drive
Tygerberg 7505



Social program

Tuesday 7th February at 6-7 PM

Welcome reception and drinks in Sea Point. Join us in a villa rented for the week by the team from University of Gothenburg for a casual welcome drink!

Address:

67 Arcadia Road
Sea Point

Saturday 11th February at 7 AM

Join us for a post-meeting hike up beautiful Table Mountain!

We will meet at the base of the mountain by the Cable car station to hike up the Platteklip Gorge. Please bring sunscreen, a hat and plenty of water. For those who prefer a cable car ride, we will (hopefully) be reaching the top at around 9.30 AM. From the top, there is a beautiful view over the city and there is also a restaurant where we could have a breakfast snack.



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