



# **HYPERTENSION WINTER SCHOOL**

## **16th – 17th July 2020**

**A FREE online event on the pathophysiology,  
management and treatment of hypertension**

***AN INITIATIVE OF THE HIGH BLOOD PRESSURE  
RESEARCH COUNCIL OF AUSTRALIA***

**TABLE OF CONTENTS**

**ZOOM ETIQUETTE.....3**  
**HYPERTENSION WINTER SCHOOL 2020 PROGRAM .....5**  
**ACKNOWLEDGEMENTS.....8**

## ZOOM ETIQUETTE

Dear attendee,

The HBPRCA Hypertension Winter School will be conducted via the video conferencing software Zoom. We have compiled a quick user guide and Zoom etiquette to facilitate your experience.

If this is your first time using Zoom you will be required to download the Zoom client prior to the meeting. To do this click [here](#) and follow the Zoom download instructions.

### During the presentations:

1. Join early - we recommend you join a few minutes prior to the start time to ensure timely start to the Hypertension Winter School presentations
2. Ensure you are using a stable internet connection
3. Turn off your video on arrival – this will save on bandwidth for all attendees



4. Please note you will be muted on arrival. Keep your microphones muted when not talking and try to avoid talking over or at the same time as other participants
5. Ensure you are in a quiet space without interruptions / background noise
6. **Please note that the presentations will be recorded**

### Question time:

1. If you have a question after the conclusion of a presentation, please use the raise hand function to alert panel chairs who will call on you to speak. If the tool bar is not showing at the bottom of the Zoom window, place your cursor over the Zoom window so it appears and select the 'Participants' icon. A window listing other participants will appear, there is also a 'Raise Hand' icon.



Alternatively, you can also use the following keyboard shortcuts to raise your hand

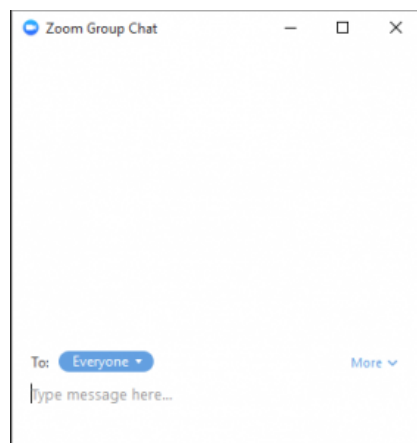
Windows: Alt + Y

Mac: Option + Y

2. Please unmute yourself (and start video if you are happy to be recorded) when prompted to ask your question.



3. You can also use the chat function to ask questions. To do this click the chat icon to open the chat window and post your question to be read by the panel chairs



## Networking

To facilitate networking and attendee interactions during the breaks there will be an opportunity to join breakout rooms. These are assigned randomly and are meant to encourage networking. If you do not wish to participate in these you are welcome leave the meeting (video and audio muted) for the allocated break time. To join the breakout rooms, you will be prompted by the Zoom client. Click join and happy networking!



The host is inviting you to join Breakout Room:  
**Breakout Room 1**

Join

Later

## Social Media

If you are tweeting about the event please use the official hashtag #HBPRCA\_WS2020 and tag @HBPRCA.

Lastly, we hope you enjoy the program and find it informative!

Thank you,  
Quynh & Hamdi  
Program Managers for the HBPRCA Hypertension Winter School

## HYPERTENSION WINTER SCHOOL 2020 PROGRAM

### Day 1: Thursday 16<sup>th</sup> July

Time (AEST)	Program	Speaker	Chair
13.00-13.10	Welcome & Introduction	Prof Markus Schlaich (The University of Western Australia) Dr Martin Schultz (Menzies Institute for Medical Research) Dr Brad Broughton (Monash University) Dr Quynh Nhu Dinh (La Trobe University)	Ms Hamdi Jama (Monash University)
13.10-13.30	The physiology of cardiovascular control	Dr Erin Howden (Baker Heart and Diabetes Institute)	Dr Dean Picone (Menzies Institute for Medical Research)
13.30-13.50	Global burden of hypertension and ISH guidelines	Prof Alta Schutte (The University of New South Wales)	
13.50-14.10	How to measure blood pressure accurately	Prof James Sharman (Menzies Institute for Medical Research)	
14.10-14.25	Break		
14.25-14.45	Masked and white coat hypertension	Prof Geoff Head (Baker Heart and Diabetes Institute)	Dr Revathy Carnagarin (The University of Western Australia)
14.45-15.05	Current guidelines and pharmacological treatments for hypertension	Dr Genevieve Gabb (South Australia Health)	
15.05-15.25	Plenary lecture: President of HBPRCA (Resistant Hypertension)	Prof Markus Schlaich (The University of Western Australia)	
15.25-15.35	Hypertension and COVID-19	Prof Markus Schlaich (The University of Western Australia)	
15.35-15.50	Break		

**Day 1 continued**

	<b>Student Blitz presentations</b>		
15.50-15.55	Females are protected against vascular complications in obesity	Vivian Tran (La Trobe University)	Dr Maria Jelinic (La Trobe University)
15.55-16.00	Opioids Cause Sex-Specific Vascular Remodeling via Cofilin-ERK Signaling: Female Mice Present Higher Risk of Developing Morphine-Induced Vascular Dysfunction than Male Mice	Soyoung Cheon (University of Toledo College of Medicine and Life Sciences)	Dr Jonathan Mynard (Murdoch Children's Research Institute)
16.00-16.05	Urine Trouble! The Role of IL-18 in kidney inflammation and hypertension	Jordyn Thomas (La Trobe University)	
16.05-16.10	Exaggerated exercise blood pressure: an opportunity to identify cardiac structural adaption	Myles Moore (Menzies Institute for Medical Research)	
16.10-16.15	Prevalence of primary aldosteronism in Australian primary care	Renata Libianto (Hudson Institute of Medical Research)	
16.15-16.20	Proton-sensor GPR65 is a novel regulator of cardiovascular health	Liang Xie (Monash University)	
16.20-16.25	Role of Microparticles in hypertension: An emerging "small" big step in cardiovascular disease	Dr Leslie Marisol (The University of Western Australia)	
16.25-16.30	Accuracy of WatchBP for non-invasive estimation of central blood pressure in children	Jonathan Glenning (Murdoch Children's Research Institute)	
16.30-16.35	Interarm blood pressure differences in children	Melanie Clarke (Murdoch Children's Research Institute)	
16.35-16.40	The Role of Short-Chain Fatty Acid Sensing Receptors in Hypertension	Rikeish Muralitharan (Monash University)	
16.40-16.45	Paediatric Blood Pressure Assessment - What Challenges Do Our Clinicians Face?	Natalie Stewart (Murdoch Children's Research Institute)	
16.45-16.50	Blood pressure targets in Asian patients	Akhmetzhan Galimzhanov (Semey Medical University)	

**Day 2: Friday 17<sup>th</sup> July**

Time (AEST)	Program	Speaker	Chair
13.00-13.05	Welcome to day 2	Ms Hamdi Jama Dr Quynh Nhu Dinh	
13.05-13.25	Animal models of hypertension	Prof Grant Drummond (La Trobe University)	Dr Quynh Nhu Dinh (La Trobe University)
	<b>ECR Blitz presentations</b>		
13.25-13.30	Using digital technology to improve blood pressure measurement and cardiovascular disease prevention	Ms Niamh Chapman (Menzies Institute for Medical Research)	Dr Joanne O'Donnell (Monash University)  Dr Martin Schultz (Menzies Institute for Medical Research)
13.30-13.35	A comparison of the sodium content of children's fast food menu items across five countries	Dr Kacie Dickinson (Flinders University)	
13.35-13.40	Zinc regulates vascular tone via distinct mechanisms in sensory nerves, smooth muscle and endothelium	Dr Ashenafi Betrie (The Florey Institute of Neuroscience and Mental Health)	
13.40-13.45	Can arterial pressure be measured in individuals with no pulse?	Dr Audrey Adji (Victor Chang Cardiac Research Institute)	
13.45-13.50	HBPRCA ECR Committee	Dr Dean Picone (Menzies Institute for Medical Research)	Ms Hamdi Jama Dr Quynh Nhu Dinh
13.50-14.05	Virtual Networking		Ms Hamdi Jama
14.05-14.20	Break		
14.20-14.40	The role of kidneys in hypertension	Dr Yugeesh Lankadeva (The Florey Institute of Neuroscience and Mental Health)	Dr Quynh Nhu Dinh (La Trobe University)
14.40-15.00	Blood pressure and the vasculature	Dr Barbara Kemp-Harper (Monash University)	
15.00-15.20	Immune mechanisms in hypertension	Dr Antony Vinh (La Trobe University)	
15.20-15.35	Break		
15.35-15.55	The sympathetic nervous system in hypertension	Prof Gavin Lambert (Swinburne University of Technology)	Ms Hamdi Jama (Monash University)
15.55-16.15	Sex differences in hypertension	Dr Anastasia Mihailidou (Royal North Shore Hospital)	
16.15-16.35	Lifestyle factors and hypertension	Dr Rachel Climie (Baker Heart and Diabetes Institute)	
16.35-17.00	Announcement of Blitz presentation prize winners Closing remarks Virtual drinks	Ms Hamdi Jama Dr Quynh Nhu Dinh A/Prof Francine Marques (Monash University)	

## ACKNOWLEDGEMENTS

The HBPRCA Hypertension Winter School would not have been possible without the contributions of the following individuals and organisations

### SUPPORTED BY



### HBPRCA ECR COMMITTEE



**Dr Quynh Nhu Dinh** (La Trobe University): Program manager, chair and Blitz presentation judge



**Ms Hamdi Jama** (Monash University): Program manager, chair and Blitz presentation judge



**Dr Dean Picone** (Menzies Institute for Medical Research): Organising committee, chair and Blitz presentation judge



**Dr Revathy Carnagarin** (The University of Western Australia): Organising committee, chair and Blitz presentation judge



## HBPRCA EXECUTIVE COMMITTEE



**Prof Markus Schlaich** (The University of Western Australia): Plenary speaker



**Prof Michael Stowasser** (The University of Queensland): Blitz presentation judge



**Dr Genevieve Gabb** (South Australia Health): Invited speaker and promotions



**Prof Gavin Lambert** (Swinburne University of Technology): Invited speaker



**Dr Anastasia Mihailidou** (Royal North Shore Hospital): Invited speaker and promotions



**Dr Jonathan Mynard** (Murdoch Children's Research Institute): Chair and promotions



**Dr Audrey Adji** (Victor Chang Cardiac Research Institute): Speaker



**Dr Martin Schultz** (Menzies Institute for Medical Research): Speaker and chair

## HBPRCA EXECUTIVE COMMITTEE continued



**Dr Brad Broughton** (Monash University): Speaker and Blitz presentation judge



**A/Prof Francine Marques** (Monash University): Speaker and Blitz presentation judge



**Dr Rachel Climie** (Baker Heart & Diabetes Institute): Invited speaker and organising committee

## HBPRCA SECRETARIAT (Promotions, sponsorship, administration)



**Ms Jade Gibson-Meares**  
Your Secretariat



**Ms Natasha Whitwell**  
Your Secretariat

## INVITED SPEAKERS



**Dr Erin Howden**  
Baker Heart & Diabetes Institute



**Prof Grant Drummond**  
La Trobe University



**Prof Alta Schutte**  
The University of New South Wales



**Dr Yugeesh Lankadeva**  
The Florey Institute of Neuroscience  
and Mental Health



**Prof James Sharman**  
Menzies Institute for Medical Research



**Dr Barbara Kemp-Harper**  
Monash University



**Prof Geoff Head**  
Baker Heart & Diabetes Institute



**Dr Antony Vinh**  
La Trobe University

## CHAIRS



**Dr Maria Jelinic**  
La Trobe University



**Dr Joanne O'Donnell**  
Monash University

## PROMOTIONS



**Prof Ruan Kruger** (North West University, South Africa)

**ORGANISATIONS THAT PROMOTED THE HYPERTENSION WINTER SCHOOL**



Australian and New Zealand Society of Nephrology



The Royal Australasian College of Physicians

