



HARRY PERKINS INSTITUTE
OF MEDICAL RESEARCH



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PERKINS Seminar Series

THURSDAY 11 OCTOBER



Nikhilesh Bappoo

PhD Student, Vascular Engineering Laboratory
Harry Perkins Institute of Medical Research

"Engineering the placenta: Advances in understanding fetal growth restriction"

Nik Bappoo is a PhD student in the Vascular Engineering Laboratory (VasLab) at the Harry Perkins Institute of Medical Research and the School of Engineering at UWA. In 2016, he graduated with a Bachelor of Philosophy (BPhil) degree with First Class Honours majoring in both Engineering Science and Pathology and in 2017, he graduated with a Master of Professional Engineering in Mechanical Engineering, both at UWA. He completed his Honours research project focusing on fetal-placental blood flow under the supervision of Barry Doyle and Caitlin Wyrwoll, which he published in a leading biomedical engineering journal. This work has been well received by the field and is already being cited. In 2017, Nik won the prestigious international Mimics Innovation Award and in 2018 he came 2nd in the Best Student Paper Award in his category at the World Congress of Biomechanics. Nik is also a founding member of the UWA Biomedical Engineering Society and served as President in 2018.



Louis Parker

PhD Student, Vascular Engineering Laboratory
Harry Perkins Institute of Medical Research

"Understanding the complex flow patterns of the diseased aorta: A basis for risk quantification and pre-surgical planning"

Louis studied Mechanical Engineering at UWA where he first joined the Vascular Engineering Lab for his final year project in 2015 studying common iliac artery aneurysms. He then commenced a PhD in early 2016, continuing his work in aneurysms and setting up a computational framework to study the haemodynamics of aortic dissection. In 2018 he has shared his work with the two major European societies for vascular surgery at their annual meetings in Strasbourg and Valencia as well as the World Congress of Biomechanics in Dublin where he was awarded the Mimics Innovation Award for his work in using computational fluid dynamics to assist in the planning of complex aortic intervention.

12noon to 1.00pm
followed by a light lunch

For more information, please contact Louise Winteringham on louise.winteringham@perkins.uwa.edu.au

MCCUSKER AUDITORIUM, HARRY PERKINS INSTITUTE OF MEDICAL RESEARCH, NORTH CAMPUS

Aberdare Rd

To Perth

Your Guide to the



HARRY PERKINS INSTITUTE OF MEDICAL RESEARCH

A

B

C

D

E

F

1 2 3 4 5

Osborne St

Compass St

Widuan St

Kingsway St

Hospital Ave

Winthrop Ave

Kings Park

To Stirling Hwy

Monash Ave

CC

D

C

DD

X

Emergency Helipad

Visitor Car Park 1

Visitor and Staff Multi Deck Car Park (Entry of Winthrop Ave Only)

Multi Deck Car Park

Perth Children's Hospital

To Stirling Hwy

Small Case

Neuroscience Research Institute

Lions Eye Inst

HARRY PERKINS INSTITUTE

PathWest

Main Entrance & Admissions

EMERGENCY

Visitor Car Park 3A

Car Park 7B

L

JJ

K

J

M

N

Hollywood Private Hospital

Western Power Sub Station

Staff Car Park 3

Crawford Lodge

Staff Car Park 7A

ZZ

UWA Car Park

