



HARRY PERKINS INSTITUTE
OF MEDICAL RESEARCH



PERKINS Seminar Series

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THURSDAY 9 MARCH



Associate Professor Nathan Pavlos

Head, Cellular Orthopaedic Laboratory
School of Biomedical Sciences
University of Western Australia

"'Sorting-Out' Protein Trafficking in Skeletal Disease"

Dr Nathan Pavlos is an Associate Professor and Head of the Cellular Orthopaedics Laboratory at the School of Biomedical Sciences (UWA). He completed his PhD studies in Cell Biology at UWA (2005) and undertook his postdoctoral training as an NHMRC CJ Martin Research Fellow at the Max-Planck-Institute for Biophysical Chemistry (2007-2010) with Prof Reinhard Jahn where he worked on the molecular regulation of synaptic vesicle trafficking. In 2010 Dr Pavlos returned to UWA to start up his own research group. His current research interests focus on deciphering the core molecular machinery regulating the formation and function of osteoclasts, giant bone-resorbing polykaryons which underpin several debilitating musculoskeletal diseases including osteoporosis, osteoarthritis and Paget's disease of bone. Along with his focus osteoclasts biology, Dr Pavlos also maintains a long-standing interest in the molecular regulation and dynamics of protein trafficking, a process essential for normal cellular function that is often perturbed in many different diseases including neurological disease, cancer, inflammation and pathogen invasion. This seminar will provide new insights and perspectives on the contribution of key protein trafficking machineries in the context of skeletal health and disease and discuss their potential suitability as future "druggable" targets for the treatment of metabolic bone diseases.

12:00noon till 1:00pm
followed by a light lunch

For more information please contact Assistant Professor Juliana Hamzah

E: juliana.hamzah@perkins.uwa.edu.au

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Aberdare Rd

To Perth

A

Your Guide to the



HARRY PERKINS INSTITUTE OF MEDICAL RESEARCH

B

C

D

E

F

Geirdner Dr
Campsie St
Verdun St
Kingsden St

Geirdner Dr

Hospital Ave

Winthrop Ave

Kings Park

Child Care
Under Construction

Under Construction

Lions Eye Inst

HARRY PERKINS INSTITUTE

PathWest

Hollywood Private Hospital



Visitor Car Park 3A

Western Power Sub Station

Staff Car Park 3

Staff Car Park 7A

Hampden Rd

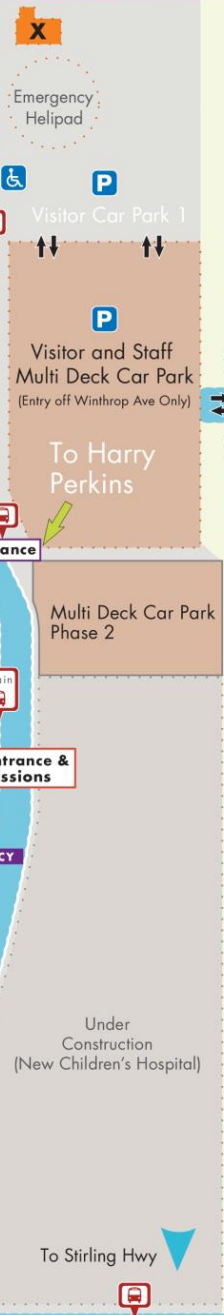
Visitor Car Park 7 8.00am - 4.00pm

Staff Car Park 7B

Monash Ave

Under Construction (New Children's Hospital)

To Stirling Hwy



Emergency Helipad

Visitor Car Park 1

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

To Harry Perkins

Multi Deck Car Park Phase 2

Main Entrance

Main Entrance & Admissions

EMERGENCY

Waiting Walk

Staff Car Park 6

Visitor Car Park 7 8.00am - 4.00pm

Staff Car Park 7A

UWA Car Park

To Stirling Hwy