



HARRY PERKINS INSTITUTE
OF MEDICAL RESEARCH



PERKINS Seminar Series

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THURSDAY 6 JULY



Emeritus Professor Miranda Grounds

Senior Honorary Research Fellow
University of Western Australia

"Distinctly different mechanisms for muscular dystrophies due to defects in dystrophin (DMD) and dysferlin (LGMD2B)"

Professor Miranda Grounds graduated from the University of Western Australia (UWA) with a Bachelor of Science Honours in 1969 and gained a PhD in 1978 from the University of London. She returned to UWA in 1980 and became an independent NHMRC researcher (and Senior Research Fellow) in the Department of Pathology. In 1994, she was appointed as Professor in the School of Anatomy, Physiology and Human Biology (now Human Sciences), and in 2014 she became an Emeritus Professor and Honorary Senior Research Fellow, dedicated again to full-time research. She is primarily a Cell Biologist and for over 40 years her research on *in vivo* cell and molecular studies of skeletal muscles using various mouse models of normal, diseased and ageing muscles has focussed on two main areas. (1) Investigating a wide range of factors controlling the post-natal growth, maintenance, hypertrophy/atrophy, damage and regeneration of normal, diseased and ageing skeletal muscles. (2) Application of these findings to develop potential treatments for muscle disorders, especially myopathies such as Duchenne Muscular Dystrophy and Dysferlinopathies, and age-related loss of skeletal muscle mass and function (sarcopenia), with many pre-clinical trials in mouse models. Professor Grounds was President of the Australian and New Zealand Society of Cell Biology (ANZSCDB) in 1996-1998 and is involved in organising many conferences and activities with international muscle agencies and parent groups related to muscular dystrophies. The muscle research of the Grounds group is widely recognised internationally, with many invited talks to international conferences/workshops (10 since 2016), funding of over \$12 million in grants, and has generated almost 200 publications, including 12 papers since 2016 (H-index 52, >8,000 citations). For all publications see <http://school.anhb.uwa.edu.au/personalpages/grounds/publication.html>

12:00pm till 1:00pm

followed by a light lunch

For more information please contact Louise Winteringham

E: 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

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1

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Galindwa Dr

Hospital Ave

Winthrop Ave

Kings Park

To Stirling Hwy

Monash Ave



Hollywood Private Hospital

Western Power Sub Station

Staff Car Park 3

Cravford Lodge

Staff Car Park 7A

UWA Car Park

Perth Children's Hospital

Chill Camp

Neuroscience Research Institute

Lions Eye Inst

HARRY PERKINS INSTITUTE

PathWest

Car Park 7B

Staff Car Park 6

Multi Deck Car Park

Main Entrance & Admissions

EMERGENCY

Visitor Car Park 7 8.00am - 4.00pm

Visitor Car Park 3A

Staff Car Park 4

Visitor Parking

Main Entrance

Visitor Car Park 1

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

Emergency Helipad

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E Street

G Street

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Kingston St

Compass St