



HARRY PERKINS INSTITUTE
OF MEDICAL RESEARCH



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PERKINS Seminar Series

THURSDAY 12 APRIL



Professor Alistair Forrest

Systems Biology and Genomics Laboratory
Harry Perkins Institute of Medical Research

"Insights into cell type specific transcriptomes"

Professor Alistair Forrest is the inaugural Cancer Research Trust Senior Fellow and head of the systems biology and genomics lab at the Harry Perkins Institute of Medical Research, University of Western Australia. He also holds a visiting senior scientist position at RIKEN Japan. He is an expert in transcriptomics and as scientific coordinator of the FANTOM5 consortium led an international team to global maps of human promoters, enhancers, microRNAs and long non-coding RNAs. These are landmark resources that are

being used world-wide to build transcriptional regulatory networks, understand the effect of regulatory variant polymorphisms and for identifying cancer biomarkers. In 2016 he and the FANTOM5 team were awarded the Eureka Prize for Excellence in International Scientific Collaboration by the Australian Museum. He was also awarded the 2016 Millennium Science mid-career award at Lorne Genome. His lab is currently using bioinformatic and genomic approaches to study the relationship between tissue specific expression and tissue specific disease phenotypes, ligand-receptor mediated cell-to-cell communication networks and to build enhancer aware transcriptional regulatory network models. Recently it was announced that Professor Forrest would lead a multi-disciplinary team of scientists and clinicians to establish a world-class single-cell sequencing facility at the Harry Perkins Institute of Medical Research.

12:00noon till 1:00pm

Followed by a light lunch

For more information, please contact Juliana Hamzah

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

Aberdare Rd

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Your Guide to the



HARRY PERKINS INSTITUTE OF MEDICAL RESEARCH

B

C

D

E

F

Quintine Dr

Conrad St

Widuan St

Kington St

Hospital Ave

Winthrop Ave



Hollywood Private Hospital



Western Power Sub Station

Staff Car Park 3

Visitor Car Park 7 8.00am - 4.00pm

Staff Car Park 7A

Staff Car Park 6

Perth Children's Hospital

Monash Ave

To Stirling Hwy