



HARRY PERKINS INSTITUTE
OF MEDICAL RESEARCH



PERKINS Seminar Series

www.perkins.org.au

THURSDAY 26 MAY



Dr Robert Holt

Senior Scientist & Head of Sequencing

British Columbia Cancer Agency Genome Sciences Centre, Vancouver

"The neoantigen repertoire of solid tumours (and what to do about it)"

Dr Robert Holt received his PhD in Pharmacology from the University of Alberta in 1998. After a postdoctoral fellowship in molecular evolution at the State University of New York, Dr Holt joined the company Celera Genomics in Rockville, Maryland where he served on Craig Venter's team as the Scientific Operations Manager for initial sequencing of the human genome.

Since 2002 Dr Holt has been a Senior Scientist at the British Columbia Cancer Agency Genome Sciences Centre (BCGSC) in Vancouver. He is Head of Sequencing and Head of Quality Systems at the BCGSC, Co-director of the Genome Canada Science & Technology Innovation Centre and Co-director of the new BC Cancer Agency Immunotherapy Program. He is appointed as a tenured professor at The University of British Columbia and Simon Fraser University. Currently he is on sabbatical with Bruce Robinson and the NCARD group at the University of Western Australia.

Dr Holt is recognized in genomics for completing some of the first model organism genomes and pathogen genomes and, more recently, for developing next-generation sequencing methods for interrogating the genetics of the adaptive immune system. He has served as a scientific advisor to the NIH Human Microbiome Project and discoveries by his research group have linked new infectious agents to cancer risk. His current research directions are focused on cancer genomics, T cell engineering, and immune interventions in cancer. He has published 130 papers that have received >46,000 citations (H-index 62).

For more information please contact Tracy Hayward

E: tracy.hayward@uwa.edu.au

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

12:00noon till 1:00pm
followed by a light lunch courtesy of Abacus ALS

A seminar on Single Molecule Counting (SMC) Technology will follow at 1:20pm



ABACUS ALS.



Seminar: NEW Single Molecule Counting (SMC) technology: a 'Not Detectable' immunoassay result is now a thing of the past.

Thursday 26 May | 1:20pm – 2pm
McCusker Auditorium

Single molecule counting (SMC™) technology enables ultrasensitive biomarker detection, with lower limits of quantitation in the femtogram/mL level providing a 10 to 1000-fold sensitivity improvement over conventional ELISA assays.

This seminar will outline the technology and describe studies from the US and UK where SMC is already being utilised to measure markers that were previously undetectable in areas of inflammation/immunity, cardiovascular disease, neuroscience and cancer research.

Merck Millipore is a global leader in immunoassay development. SMC technology now joins a rapidly expanding product range of Luminex multiplex kits, ELISAs, RIAs and GyroMark assays.

Merck's Milliplex multiplex assays cover the broadest range of analytes for multiplex detection analysis.

Presented by Dr Raina Wong, Abacus ALS.

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Aberdare Rd

To Perth

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Your Guide to the



HARRY PERKINS INSTITUTE OF MEDICAL RESEARCH

B

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F

Complete St

Verdun St

Kingston St

Geirdner Dr

Coladonia Cres

Coladonia Cres

Hampden Rd

Hospital Ave

Winthrop Ave

Kings Park

Child Care

Under Construction

Under Construction

HH

WW

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PathWest

M

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JJ

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Staff Car Park 6

UWA Car Park

Under Construction

Lions Eye Inst

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HARRY PERKINS INSTITUTE

Staff Car Park 4

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Car Park 7B

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Staff Car Park 7A

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Staff Car Park 3

Staff Car Park 7A

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EMERGENCY

Waiting Walk

Staff Car Park 3A

Visitor Car Park 7 8.00am - 4.00pm

Staff Car Park 3

Staff Car Park 7A

UWA Car Park

Visitor Car Park 1

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

To Harry Perkins

Main Entrance

Main Entrance & Admissions

Under Construction (New Children's Hospital)

To Stirling Hwy

Emergency Helipad

EMERGENCY



Hollywood Private Hospital

Under Construction (New Children's Hospital)

To Stirling Hwy

Monash Ave