



## Seminar Series – Week Commencing 8 April 2019

Name of Presenter	Title of Presentation	Date	Time	Venue	Further Information	Seminar Series
Dr Andrew Robertson	Responding to disaster – the evolution of disaster medicine in Western Australia	9 April 2019	12.30pm – 1.30pm	McCusker Auditorium, Harry Perkins Institute of Medical Research, QEII campus	<a href="#">CLICK HERE</a>	Dean’s Distinguished Lecture Series – Faculty of Health and Medical Sciences
Prof Des Richardson, Uni of Sydney	The yin-yang relationship between the metastasis suppressor, NDRG1, and the melanoma tumour antigen, melanotransferrin	9 April 2019	1pm – 2pm <i>Light lunch 12.15pm 305:139</i>	Curtin University Kent Street, Bentley 401:001:LT	<a href="#">CLICK HERE</a>	CHIRI Seminar Series
Dr Denis Bauer	Cloud computing and artificial intelligence transforms life science research	11 April 2019	12.00pm – 1.00pm	McCusker Auditorium, Harry Perkins Institute of Medical Research, Nedlands	<a href="#">CLICK HERE</a>	Perkins Seminar Series
Inge Koch	Analysis of Imaging Mass Spectrometry Data in Proteomics and Cancer Research	11 April 2019	12 noon	UWA - Bayliss Lecture Theatre G33	<a href="#">CLICK HERE</a>	Bayliss Seminar Series

Dr Carl Mousley & Dr Pieter Eichhorn  CHIRI & School of Pharmacy & Biomedical Sciences	Opening and closing the gate in CancER; Altered gating of the ER translocase may be a beneficial driver that facilitates tumorigenesis & c-Met activation leads to the establishment of a TGF $\beta$ regulatory network required for bladder cancer invasion	11 April 2019	1pm – 2pm <i>Light lunch 12.15pm 305:139</i>	Curtin University Kent Street, Bentley 408:1019:LT	CLICK HERE	CHIRI Seminar Series
A/Prof Sue Skull	Survey Design & Techniques - Strategies for developing and delivering successful surveys	12 April 2019	12.30pm – 1.30pm	Perth Children’s Hospital PCH Auditorium, Level 5 (Pink or Yellow lifts)	CLICK HERE	Research Skills Seminar Series 2019 – Research Education Program
Dr Sanja Stanojevic Uni of Toronto	Making Sense of Data: How Cystic Fibrosis Patient Registries have informed Practice and Policy	12 April 2019	12.30pm – 1.30pm	Curtin Medical School Building 410, Room 307	CLICK HERE	Telethon Kids Institute & Curtin University

**UPCOMING SEMINARS**

Prof Des Richardson, Uni of Sydney	Befriending the lysosome to treat cancer: Therapeutically stabilizing MIG6 to degrade EGFR	18 April 2019	12pm – 1pm	McCusker Auditorium, Harry Perkins Institute of Medical Research, Nedlands	CLICK HERE	Perkins Seminar Series and Raine Visiting Professor Lecture Series
Kylie Sandy-Hodgetts	Surgical wound complications: improving prevention and outcomes	23 April 2019	1pm	Room 1.81, School of Human Sciences, Anatomy Building, UWA (off Hackett Entrance No. 2)		UWA School of Human Sciences Seminar Series
Prof Oliver Rackham	Engineering and understanding mammalian gene expression	9 May 2019	1pm – 2pm	Curtin University Kent Street, Bentley 408:1019:LT	CLICK HERE	CHIRI Seminar Series

Prof Debra Anderson & A/Prof Susan Slatyer (Keynote Speakers)	2019 Sigma Nursing Research Symposium – Connect, Collaborate, Catalyze	10 May 2019	8am – 6pm See program at: <a href="http://www.sigmanursesymposium.weebly.com/program">www.sigmanursesymposium.weebly.com/program</a> Register at: <a href="http://www.sigmanursesymposium.weebly.com/register">www.sigmanursesymposium.weebly.com/register</a>	Harry Perkins Institute of Medical Research, Nedlands Campus (QQ Block)	CLICK HERE	Western Australian Nurses Memorial Charitable Trust
Dr Michael Mosely (Keynote Speaker) - Various other speakers	Science on the Swan 2019 – Neuroscience & the Senses – Healthy Ageing across the Life Course	5 - 7 June 2019	See program at: <a href="http://www.scienceontheswan.com.au">www.scienceontheswan.com.au</a>	The Westin Perth	CLICK HERE	WAHTN
14 <sup>th</sup> World Congress on Inflammation - Sydney 2019 Various Plenary Speakers	15 -19 September WCI Program Themes:- Theme 1: New therapeutic targets in inflammation Theme 2: Mechanisms of inflammation (initiation resolution & signaling pathways) Theme 3: Organ-specific inflammation				CLICK HERE	WCI <a href="http://www.wci2019.org">www.wci2019.org</a>
WAHTN Clinical Research Support Service	The WAHTN are offering a Clinical Research Support Service for anyone currently involved in or interested in conducting clinical research in Western Australia. To find out more or to make an appointment Email: <a href="mailto:CTDMC@curtin.edu.au">CTDMC@curtin.edu.au</a> or Telephone: 9266-1970				CLICK HERE	WAHTN

## Dean's Distinguished Lecture Series

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**Dr Andrew Robertson**

***Responding to disaster – the  
evolution of disaster medicine in  
Western Australia***

**Date:** Tuesday, 9 April 2019

**Time:** 12:30pm – 1:30pm

**Venue:** McCusker Auditorium, Harry  
Perkins Institute, QEII campus



Dr Andrew (Andy) Robertson is the Chief Health Officer and Assistant Director General within the Public and Aboriginal Health Division in the Western Australia Department of Health.

With specialist qualifications in Public Health Medicine and Medical Administration, he served with the Royal Australian Navy from 1984 until 2003. Since 2003, in his role as Deputy Chief Health Officer and Director, Disaster Management in WA Health, he has been involved in implementing new public health, medicines and poisons laws, and in preparing for and managing health responses to a range of state and international disasters. These include the Asian tsunami, Java earthquake, Nepal earthquake, Fukushima radiation incident and local cyclones, bushfires and heatwaves.

Dr Robertson remains in the RAN's Active Reserve, was promoted to Commodore and took up the role of Director General Navy Health Reserves in July 2015.

The lecture will be followed by light refreshments.

### Quick links

[UWA homepage](#)

[What's on calendar](#)

### Contact

(+61 8) 6457 7365

[comms-hms@uwa.edu.au](mailto:comms-hms@uwa.edu.au)

# CHIRI SEMINAR SERIES

*“The yin-yang relationship between the metastasis suppressor, NDRG1, and the melanoma tumour antigen, melanotransferrin”*

**Prof Des Richardson** B.Sc. (Hons 1), M.Sc., Ph.D., D.Sc. (UWA), F.F.Sc., FRCPath (UK)

*Professor of Cancer Cell Biology,  
Director, Molecular Pharmacology and Pathology Program  
University of Sydney*

**Light Lunch**  
12.15PM  
305:139



**1PM-2PM**  
**TUESDAY**  
**9 April 2019**  
**CURTIN UNIVERSITY**  
**KENT STREET**  
**BENTLEY**  
**401:001:LT**

## ABSTRACT

*Melanoma has markedly increased worldwide during the past several decades in the Caucasian population and is responsible for 80% of skin cancer deaths. Considering that metastatic melanoma is almost completely resistant to most current therapies and is linked with a poor patient prognosis, it is crucial to further investigate potential molecular targets.*

*Major cell-autonomous drivers in the pathogenesis of this disease include the classical MAPK (i.e., RAS-RAF-MEK-ERK), WNT, and PI3K signaling pathways. These pathways play a major role in defining the progression of melanoma, and some have been the subject of recent pharmacological strategies to treat this belligerent disease.*

*This lecture discusses the roles of emerging and opposite molecular players, namely the metastasis suppressor, NDRG1, and the pro-oncogenic protein, melanotransferrin (MTf) that are intimately associated in a yin-yang relationship and appear to be involved in melanoma pathogenesis.*

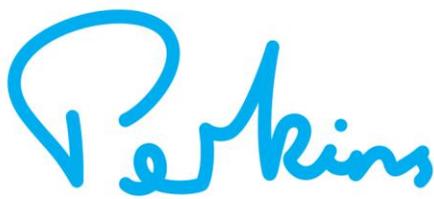
## BIO

*Professor Des Richardson holds the Chair of Cancer Cell Biology at the University of Sydney, Australia, and is a National Health and Medical Research Council (NHMRC) of Australia Senior Principal Research Fellow.*

*He is a multi-disciplinary career researcher whose career has spanned metabolism, medicinal chemistry, drug design/development/commercialisation, cancer biology, pharmacology and neurobiology i.e., studies on the neurodegenerative disease, Friedreich's ataxia and Alzheimer's disease.*

*He has published 415 articles, reviews, patents, chapters etc., over his career with >93% as first, senior or corresponding author (H-index: 86; >30,500 citations over entire career; Google Scholar 9/3/19; with >16,000 citations over the past 5 years and H-index: 57 over the past 5 years; Google Scholar 9/3/19).*

*He is Executive Editor of BBA-General Subjects and has served on the Editorial Boards of 43 international journals, including J. Biol. Chem., Antioxidants Redox Signaling, Biochem. J., BBA-Mol Cell Res, Mol. Pharmacol., Pharmacol. Res., etc. As a major translational research achievement, he has developed the anti-cancer and anti-metastatic drug, DpC, which overcomes P-glycoprotein-mediated drug resistance and up-regulates the potent metastasis suppressor, NDRG1. This has led to commercialisation of DpC and the development of the international company, Oncochel Therapeutics LLC, USA and its Australian subsidiary, Oncochel Therapeutics Pty Ltd. Notably, DpC has entered multi-centre Phase I clinical trials for the treatment of advanced and resistant cancer.*



HARRY PERKINS INSTITUTE  
OF MEDICAL RESEARCH



[www.perkins.org.au](http://www.perkins.org.au)

# Seminar

THURSDAY 11 APRIL 2019



## Dr Denis Bauer

Principal Research Scientist  
CSIRO

**"Cloud computing and artificial intelligence transforms life science research"**

Dr Denis Bauer is CSIRO's Principal Research Scientist in transformational bioinformatics and an internationally recognised expert in machine learning and cloud-based genomics, having presented at AWS Summit, Canberra, 2018 and Open data science conference, India, 2018. Her achievements include developing open-source machine-learning cloud services that accelerate disease

research, which is used by 10,000 researchers annually.

### Abstract:

Genomic produces more data than Astronomy, twitter, and YouTube combined, having caused research in this discipline to leapfrog to the forefront of cloud technology. Using machine learning and harnessing radically new architecture patterns, a new cloud-native discipline of bioinformatics is emerging.

The talk illustrates this transformation on the example of disease gene discovery. Here, a Spark-based machine learning framework, VariantSpark, was custom designed to deal with 'wide' or ultra-high-dimensional data (80 million columns) to find the genetic origin of ALS in 22,000 whole genome sequences. Made available on Amazon Web Services (AWS) and Microsoft Azure through notebook-style access portals, international researchers can explore large volumes of data in real time.

The talk also discusses a new cloud architecture paradigm, serverless, pitted to become an \$8 Billion market for its ability to make analysis more economical, akin to how prefabrication scaled up the construction sector over bricklaying. The talk illustrates, the "search engine for the genome" (GT-Scan), a web-service that enables researchers to identify the optimal spot in the 3 billion letter-long genome to make alterations (CRISPR) that one day helps to cure or prevent diseases.

Providing practical tips for the new cloud-native generation of bioinformaticians, the talk compares cloud setups across AWS, Alibaba and Azure and touches on how to evolve cloud architecture more efficiently through a hypothesis-driven approach to DevOps.

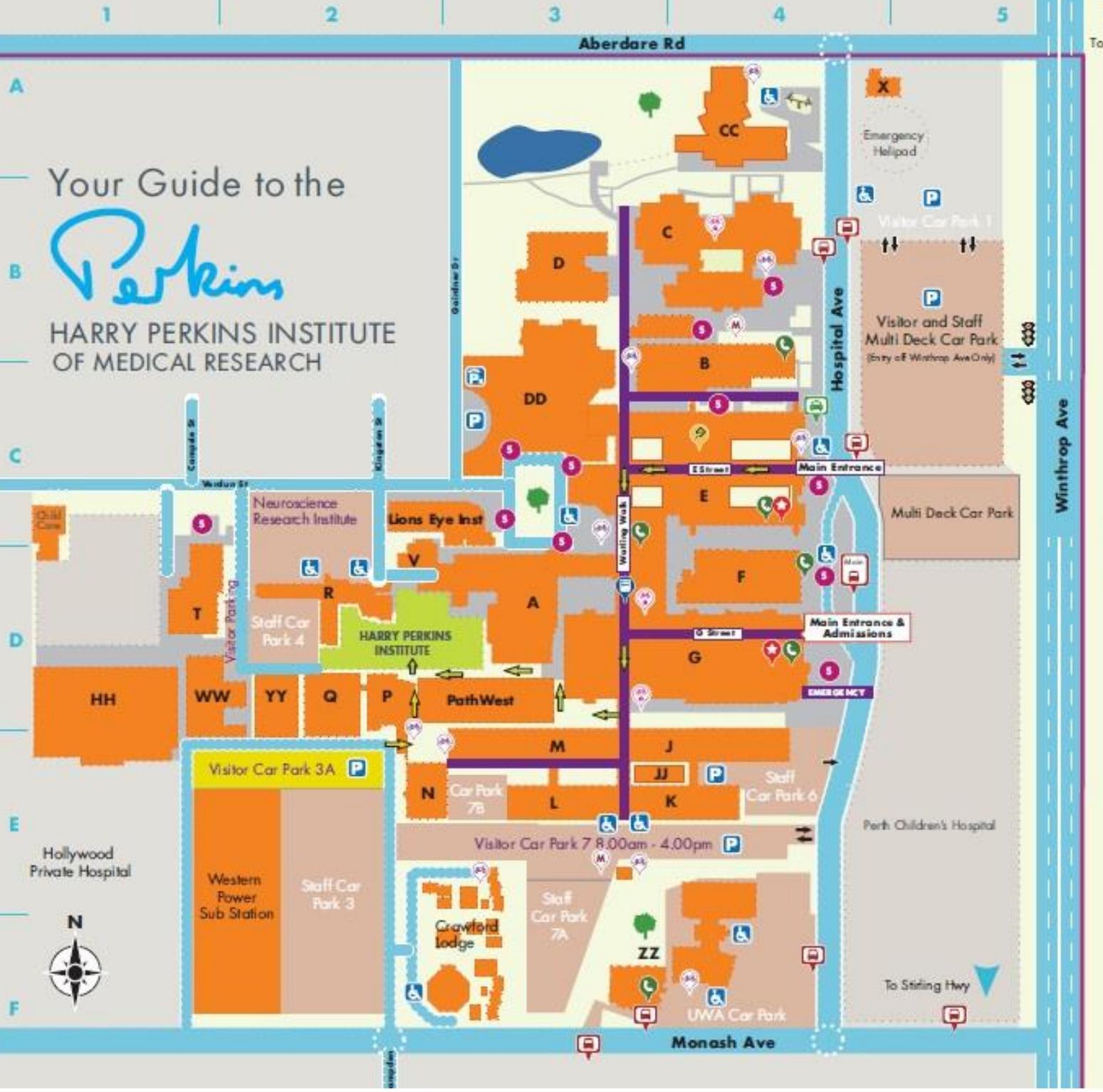
12:00noon till 1:00pm

For more information, please contact Juliana Hamzah on [juliana.hamzah@perkins.uwa.edu.au](mailto:juliana.hamzah@perkins.uwa.edu.au)

Followed by a light lunch

**McCUSKER AUDITORIUM, HARRY PERKINS INSTITUTE OF MEDICAL RESEARCH, NORTH CAMPUS**

Your Guide to the  
  
 HARRY PERKINS INSTITUTE  
 OF MEDICAL RESEARCH



# THE BAYLISS SEMINAR SERIES

**Presenter:** Inge Koch– UWA, Department of Mathematics and Statistics

**Title:** Analysis of Imaging Mass Spectrometry Data in Proteomics and Cancer Research

**Date:** Thursday 11<sup>th</sup> April – 12 noon

**Venue:** Bayliss Lecture Theatre G33



If you have suggestions for speakers, please contact our seminar coordinators Nicole Smith [nicole.smith@uwa.edu.au](mailto:nicole.smith@uwa.edu.au) and Heng Chooi [yitheng.chooi@uwa.edu.au](mailto:yitheng.chooi@uwa.edu.au) with the details and to make arrangements for an invitation.

# CHIRI SEMINAR SERIES

1pm-2pm, Thursday 11 April

CURTIN UNIVERSITY, KENT STREET, BENTLEY - 408:1019:LT

*“Opening and closing the gate in CancER; Altered gating of the ER translocase may be a beneficial driver that facilitates tumorigenesis” – Dr. Carl Mousley, CHIRI & School of Pharmacy & Biomedical Sciences*

## ABSTRACT

The endoplasmic reticulum (ER) is the entry point to the secretory pathway. Translocation of secretory and integral membrane proteins across or into the ER membrane occurs via the conserved Sec61 complex which is formed by Sec61 $\alpha$ , Sec61 $\beta$  and Sec61 $\gamma$ . This complex also functions to maintain the ER permeability barrier, preventing the mass flow of essential ER enriched molecules and ions and loss of Sec61 integrity has been implicated in the progression of disease.

The Sec61 $\gamma$  C-terminus is juxtaposed to the key gating module of Sec61p/Sec61 $\alpha$  and we hypothesise it is important for gating the ER translocon. The ER stress response was constitutively induced in two temperature sensitive Sec61 $\gamma$  mutants (*sss1<sup>ts</sup>*) that are still proficient to conduct ER translocation. A screen to identify mutations that allow for *sss1<sup>ts</sup>* cells to grow at 37°C suggests the ER permeability barrier to be compromised in these mutants. We propose the C-terminus of Sec61 $\gamma$  is an essential component of the gating module of the ER translocase required to maintain ER integrity. Our findings can be translated to further our understanding of pathology that arise from 'Sec61 channelopathies'. In this regard we have discovered several cancer associated mutations in Sec61 $\gamma$  that alter the gating properties of the translocon. Therefore, we reason that mutations that alter the permeability of the ER translocase may influence the tumourigenicity of a cancer cell.



*“c-Met activation leads to the establishment of a TGF $\beta$  regulatory network required for bladder cancer invasion”*

*Dr. Pieter Eichhorn, CHIRI & School of Pharmacy & Biomedical Sciences*



## ABSTRACT

Treatment of muscle-invasive bladder cancer remains a major clinical challenge. Aberrant HGF/c-MET upregulation and activation is frequently observed in bladder cancer correlating with cancer progression and invasion. However, the mechanisms underlying HGF/c-MET mediated invasion in bladder cancer remains unknown. As part of a negative feedback loop SMAD7 binds to SMURF2 targeting the TGF $\beta$  receptor for degradation. Under these conditions, SMAD7 acts as a SMURF2 agonist by disrupting the intramolecular interactions within SMURF2. We demonstrate that HGF stimulates TGF $\beta$  signalling through c-SRC-mediated phosphorylation of SMURF2 resulting in loss of SMAD7 binding and enhanced SMURF2 C2-HECT interaction, inhibiting SMURF2 and enhancing TGF $\beta$  receptor stabilization. This upregulation of the TGF $\beta$  pathway by HGF leads to TGF $\beta$ -mediated EMT and invasion. In vivo we show that TGF $\beta$  receptor inhibition prevents HGF-induced bladder cancer invasion. Furthermore, we make a rationale for the use of combinatorial TGF $\beta$  and MEK inhibitors for treatment of high-grade non-muscle-invasive bladder cancers.

Light Lunch 12.15PM 305:139



# Survey Design & Techniques

Strategies for developing and delivering successful surveys

Friday, 12 April 12:30 – 1:30PM

Surveys, including clinical audits, are one of the most commonly conducted clinical research projects. This seminar provides practical help with:

- planning and conducting surveys;
- the importance of good survey design;
- how to choose an appropriate sampling and administration method;
- creating a well-written questionnaire or data collection instrument, and
- maximising response rates and how to minimise data errors



## Associate Professor Sue Skull

A/Prof Sue Skull is based at Perth Children's Hospital, where she is Deputy Director of the Department of Child Health Research and Head of the Research Education Program. She holds positions as a Consultant Paediatrician and Clinical Associate Professor, UWA School of Paediatrics and Child Health.

She remains actively involved in teaching research methods and enjoys helping others improve and enjoy their research experience.

## Perth Children's Hospital

PCH Auditorium, Level 5

(Pink or Yellow lifts)

15 Hospital Ave, Nedlands

# Register Online

ResearchEducationProgram

[.eventbrite.com](https://www.eventbrite.com)

Further information:

[ResearchEducationProgram@health.wa.gov.au](mailto:ResearchEducationProgram@health.wa.gov.au)

[ResearchEducationProgram.org](https://www.researcheducationprogram.org)

## \*Hosted VC Sites Include:

Bunbury Hospital

Child and Adolescent Community Health

DonateLife WA

Fiona Stanley Hospital

Joondalup Health Campus

Lions Eye Institute

Midland Community Health Centre

Royal Perth Hospital

*For more locations, visit:*

[ResearchEducationProgram.org](https://www.researcheducationprogram.org)

\*Online VC via Scopia App

# Making Sense of Data: How Cystic Fibrosis Patient Registries have informed Practice and Policy

## INVITED SPEAKER:

**Sanja Stanojevic PhD**  
Senior Research Associate  
Translational Medicine  
Division of Respiratory Medicine  
Hospital for Sick Children



Sanja Stanojevic, PhD, is an internationally recognised respiratory epidemiologist with expertise in research methodology, biostatistics and physiology. She is a Senior Research Associate at the Hospital for Sick Children, Toronto and Assistant Professor at the University of Toronto. Dr Stanojevic's research focus on epidemiology of respiratory diseases and application of novel statistical methods to improve interpretation of objective measures of lung function. Dr. Stanojevic is also the ERS Chair of the Global Lung Function Initiative Clinical Research Collaborative. In recognition of her contributions to the field of pediatric respiratory medicine, she has been awarded the Klosterfrau Award, the European Respiratory Society Pediatric Respiratory Research Young Investigator Award and the European Respiratory Society Excellence in Cystic Fibrosis Research Award.

**Friday 12 April; 12.30pm – 1.30pm**  
**Curtin Medical School Building 410 Room 307**



**Curtin University**



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## PERKINS Seminar Series

and

## Raine Visiting Professor Lecture Series

THURSDAY 18 APRIL



### Professor Des Richardson

Professor of Cancer Cell Biology, University of Sydney  
NHMRC Senior Principal Research Fellow

**"Befriending the lysosome to treat cancer: Therapeutically stabilizing MIG6 to degrade EGFR"**

Professor Des Richardson holds the Chair of Cancer Cell Biology at the University of Sydney, Australia, and is a National Health and Medical Research Council (NHMRC) of Australia Senior Principal Research Fellow.

He has published 415 articles, reviews, patents, chapters *etc.*, over his career with >93% as first, senior or corresponding author (H-index: 85; >30,000 citations over his entire career; with >15,900 citations over the past 5 years and H-index: 57 over the past 5 years).

He is Executive Editor of *BBA-General Subjects* and has served on the Editorial Boards of 43 international journals, including *J. Biol. Chem.*, *Antioxidants Redox Signaling*, *Biochem. J.*, *BBA-Mol Cell Res*, *Mol. Pharmacol.*, *Pharmacol. Res.*, *etc.*

As a major translational research achievement, he has developed the anti-cancer and anti-metastatic drug, DpC, which overcomes P-glycoprotein-mediated drug resistance and up-regulates the potent metastasis suppressor, NDRG1.

This has led to commercialisation of DpC and the development of the international company, Oncochel Therapeutics LLC, USA and its Australian subsidiary, Oncochel Therapeutics Pty Ltd. Notably, DpC has entered multi-centre Phase I clinical trials for the treatment of advanced and resistant cancer.

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

For more information, please contact Amanda Cleaver on [amanda.cleaver@rainefoundation.org.au](mailto:amanda.cleaver@rainefoundation.org.au)  
McCUSKER AUDITORIUM, HARRY PERKINS INSTITUTE OF MEDICAL RESEARCH, NORTH CAMPUS



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# CHIRI SEMINAR SERIES

## “Engineering and understanding mammalian gene expression”

Professor Oliver Rackham

*Curtin Health Innovation Research Institute,  
School of Pharmacy and Biomedical Sciences, Curtin University*

Light Lunch  
12.15PM  
B305, RM 139



1PM-2PM  
THURSDAY  
9<sup>th</sup> May 2019  
CURTIN UNIVERSITY  
KENT STREET, BENTLEY  
408:1019:LT

### ABSTRACT

*The burgeoning new field of synthetic biology focuses on programming molecules and cells with new and improved functions. This presentation will detail three aspects of my research program: (1) understanding the mechanisms of post-transcriptional gene expression, (2) creating new tools to manipulate gene expression, and (3) building artificial genetic circuits to study antimicrobial resistance.*

*Post-transcriptional regulation of gene expression is ubiquitous and fundamental for the control of cell growth, differentiation and the complex developmental programs of multicellular eukaryotes. This presentation focuses on RNA-binding proteins that play key roles in mitochondrial gene expression. We have used mouse models and next generation sequencing approaches to reveal the mechanisms by which mitochondrial gene expression is regulated. Furthermore, in recent work we have created synthetic proteins inspired by natural RNA-binding proteins that can bind any RNA sequence of interest and modulate its function. These will be important to elucidate the mechanisms by which genes are controlled at the RNA level and for new therapeutic approaches. In other work we have developed a variety of genetic selection systems that allow the re-engineering of macromolecules via life/death selections in yeast and we have applied these systems to enable the determinants of antibiotic resistance to be systematically mapped. We are now adapting these approaches to harnessing the tremendous potential of synthetic biology to build yeast that can make valuable new antibiotics.*

### BIO

*Oliver Rackham gained his PhD in Biochemistry from the University of Otago, New Zealand. In 2003 Oliver relocated to the MRC Laboratory of Molecular Biology, UK, as an MRC Career Development Fellow, working with Professor Jason Chin on re-engineering the genetic code. Oliver established his own group at the Harry Perkins Institute of Medical Research in 2006, focused on engineering and understanding gene expression. Oliver's research has been influential in shaping the field of synthetic biology and in exploring the role of RNA in controlling mitochondrial function and organism physiology. His work focuses on developing new tools and therapeutics to target cancer, mitochondrial diseases and antibiotic-resistant bacteria, and has been described as one of the “seminal achievements for synthetic biology” (Faculty of 1000) and resulted in his admission to the European Inventor Hall of Fame in 2013. Oliver joined Curtin University in March this year and is currently an NHMRC Senior Research Fellow and President of Synthetic Biology Australasia.*



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## 2019 Sigma Nursing Research Symposium

Friday 10 May, 2019

Harry Perkins Institute of Medical Research, Nedlands

# Register your attendance now!

This inaugural event will showcase the extraordinary work undertaken by nursing and midwifery researchers, scholars, clinicians and students from WA and around the world.

Through our theme 'Connect, Collaborate, Catalyze', we seek to foster the translation of research into practice.

All registrations, which are only \$50 - \$150 (+ booking fee), include full access to the symposium - where you will hear from our keynote speakers and presenters - as well as morning tea, lunch, afternoon tea and the networking sundowner.

### Find out more

program: [www.sigmanursesymposium.weebly.com/program](http://www.sigmanursesymposium.weebly.com/program)

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email: [honorsocietyofnursingwa@gmail.com](mailto:honorsocietyofnursingwa@gmail.com)



Psi Alpha at-Large Chapter





Register your attendance now!



Psi Alpha at-Large Chapter

Connect.  
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## 2019 Sigma Nursing Research Symposium Friday 10 May 2019

Harry Perkins Institute of Medical Research, Nedlands

Find out more:

web: [www.sigmanursesymposium.weebly.com](http://www.sigmanursesymposium.weebly.com), email: [honorsocietyofnursingwa@gmail.com](mailto:honorsocietyofnursingwa@gmail.com)



### Our keynote speakers

#### Professor Debra Anderson

Professor Debra Anderson is the Director and Founder of the Women's Wellness Research Program. She is located at the Menzies Health Institute, Griffith University. She has a PhD in Social and Preventive Medicine and over twenty-five years' experience in education and research. She has an extensive record of providing leadership in major administrative, research and managerial roles in the area of global women's health.

Professor Anderson has forged innovative solutions to promote the health of women and girls, partnering with them to manage symptoms of health-related conditions and improving their quality of life across the lifespan. Her research focuses on understanding the basis and effects of risk behaviours in women and the interventions to change them; focusing on wellness and healthy behaviours.



#### Associate Professor Susan Slatyer

Associate Professor Susan Slatyer is a nurse researcher and educator in the Discipline of Nursing, College of Science, Health, Engineering and Education (SHEE) at Murdoch University and holds adjunct positions at both Curtin and Edith Cowan Universities.

Susan has two main research areas: nurse wellbeing and aged care (especially in relation to dementia and family caregivers). She has been instrumental in trialling interventions to support nurses at the point of transition into a ward leadership role; to prevent compassion fatigue in acute care nurses; and to sustain cancer nurses' physical and emotional capacity to care.

She is currently an investigator on an NHMRC funded trial being conducted at Sir Charles Gairdner Hospital to evaluate an innovative post-discharge nursing intervention designed to sustain family members of older patients in home-based caregiving. In 2016, Susan was named WA Nurse of the Year and winner of the Excellence in Research award in the WA Nursing and Midwifery Excellence Awards.





SCIENCE  
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# SCIENCE ON THE SWAN 2019

*Neuroscience & The Senses – Healthy Ageing across the Life Course*

- 5 – 7 June 2019
- The Westin Perth

Established as part of the Western Australian Health Translation Network, Science on the Swan is an annual health and medical science conference that gives you a unique opportunity to hear from local and international Health Science Specialists at the forefront of their fields.

Early and mid-career researchers will have the opportunity to showcase their research, whilst networking with local and international clinicians, researchers, healthcare professionals, universities, hospitals and research institutes.

Featuring a keynote address from science journalist, producer and presenter Dr. Michael Mosley, Science on the Swan 2019 is your chance to hear from the very best medical professionals about the future of neuroscience and the senses.

[www.scienceontheswan.com.au](http://www.scienceontheswan.com.au)

SAVE THE DATE ■ 5 – 7 JUNE 2019



WAHTN

Western Australian Health Translation Network



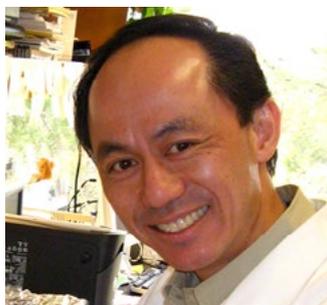
# 14th World Congress on Inflammation Sydney 2019 15-19 September 2019

[www.wci2019.org](http://www.wci2019.org)

## Meet our Plenary Speakers



**Janelle Ayres**  
The Salk Institute, USA



**Daniel Cua**  
Merck, USA



**Vishva M. Dixit**  
Genentech, USA



**Ana Domingos**  
University of Oxford, UK



**Florent Ginhoux**  
Singapore Immunology  
Network (SigN), Singapore



**Elaine Holmes**  
Imperial College London, UK



**Paul Kubes**  
University of Calgary, Canada



**Michael Mosley**  
Journalist, BBC, UK



**Luke O'Neill**  
Trinity College Dublin, Ireland



**Michal Schwartz**  
Weizmann Institute of Science,  
Israel



**Carola Vinuesa**  
Australian National University,  
Australia



**Koh Gou Young**  
Center for Vascular Research,  
Republic of Korea

## Key Dates

Call for Abstracts closes

**15 April 2019**

Early bird registration deadline

**17 June 2019**

WCI 2019 Congress

**15-19 September 2019**



# Program Themes

## Theme 1: New therapeutic targets in inflammation

- Ageing – inflammaging
- Biomarkers
- Emerging therapeutics and clinical trials
- Immunotherapy
- Infectious diseases
- New anti-TNF/IL-1 strategies
- New challenges for human health
- Pain

## Theme 2: Mechanisms of inflammation (initiation, resolution & signalling pathways)

- Cell Metabolism
- Cell Trafficking
- Epigenetic control of inflammation
- Immunological control of inflammation
- Leukocyte biology
- Pattern recognition receptors
- Regulation and Resolution

## Theme 3: Organ-specific inflammation

- Dermatological diseases
- Fibrosis
- Gastrointestinal diseases
- Genetics of susceptibility and responses
- Metabolic diseases
- Microbiota
- Neuroinflammation
- Respiratory disease
- Rheumatological diseases
- Vascular determinants of inflammation

Symposia sessions will provide slots for more than 80 talks selected from submitted abstracts!

## Thank you to our Sponsors

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14th World Congress on  
Inflammation Sydney 2019  
Inflammation Down Under: A Harbour for New Ideas  
15-19 September 2019  
[www.wci2019.org](http://www.wci2019.org)  
**[www.wci2019.org](http://www.wci2019.org)**

# Abstract submission open now!

## Need help with Clinical Research ?

The WAHTN are offering a ***Clinical Research Support Service*** for anyone currently involved in or interested in conducting clinical research in Western Australia.

This service is provided by the Clinical Trial and Data Management Centre (CTDMC) who will be visiting WAHTN member partners.\*

We will provide advice on various aspects of clinical research including

- how to get started with clinical research
- navigating the regulatory environment
- where to find training and networking with other researchers
- setting up essential documents for a clinical trial
- data management and database design
- review of protocols and other research related documents

**Site: Harry Perkins Institute, QE2, Room SR 612**

<b>Dates</b>	<b>Times</b>
Tues 19 <sup>th</sup> February 2019	9:30 am – 1:30 pm
Tues 30 <sup>th</sup> April 2019	9:30 am – 1:30 pm
Tues 18 <sup>th</sup> June 2019	9:30 am – 1:30 pm
Tues 20 <sup>th</sup> August 2019	9:30 am – 1:30 pm
Tues 22 <sup>nd</sup> October 2019	9:30 am – 1:30 pm

To find out more or to make an appointment  
Email: [CTDMC@curtin.edu.au](mailto:CTDMC@curtin.edu.au) or Telephone: 9266-1970.

**\*WAHTN Member Partners**

Curtin University - Department of Health WA - Ear Science Institute - Edith Cowan University - Fiona Stanley Hospital - Fremantle Hospital - Harry Perkins Institute of Medical Research - Institute for Respiratory Health - King Edward Memorial Hospital - Lions Eye Institute - Murdoch University - PathWest - Perron Institute for Neurological and Translational Science - Princess Margaret Hospital - Ramsay Health Care - Royal Perth Hospital - Sir Charles Gairdner Hospital - St John of God Health Care - Telethon Kids Institute - The University of Notre Dame - The University of Western Australia