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Welcome to this year's Westmead Research & Innovation Conference



Welcome to the 2024 Westmead Research and Innovation Conference, showcasing the spectrum of internationally leading research & development occurring in the Westmead Health Precinct.

Each year, this conference brings together researchers, clinicians, industry representatives, and other innovators to share advances in research-led scientific discovery and breakthroughs to pre-clinical and clinical research that are pushing the boundaries and transforming healthcare across the Westmead precinct and beyond. The theme for our 2024 conference is "Diversity, Innovation and Lifelong Care", reflecting our commitment to research and an environment that will benefit diverse populations and care needs at different stages of life.

We would like to welcome all registrants, including firsttime attendees and returning conference participants to the Westmead Innovation Centre and hope you enjoy the comprehensive program of keynote speakers, scientific presentations, panel discussions, and presentations from our early and mid-career researchers (EMCR) and Honours & HDR students. We encourage attendees to engage with the researchers' presenting posters on level 5, connect with industry, education and research organisation sponsors at the booths on level 4 and network and engage with colleagues and other delegates at the networking drinks session on Wednesday 18th September.

For any further questions throughout the conference, you can contact the staff at the registration desk on level 4 or look for our volunteer staff.

On behalf of the Westmead Research Hub Conference Organising Committee, the Westmead Research Hub and Westmead Health Precinct partner organisations, thank you for your participation in this event and a very warm welcome!

Professor Jeremy Chapman

Chair, Westmead Research Hub Council



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Faculty of Medicine and Health *Transforming healthcare in Western Sydney for 45 years*

We are a founding partner of the Westmead Health and Innovation Precinct, home to many of our world-leading research centres and networks, working on solutions to some of the world's biggest health challenges.

Join us during session breaks at our booth to hear more about our work and meet our researchers.





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Speakers

KEYNOTE

Associate Professor Michelle Dickson

Director, The Poche Centre for Indigenous Health, Faculty of Medicine and Health, USYD

Associate Professor Michelle Dickson is a Darkiniung/Ngarigo academic and Director of The Poche Centre for Indigenous Health, a research flagship centre in the Faculty of Medicine and Health, University of Sydney. She lives and works on Gadigal land (Sydney, New South Wales, Australia). A/Prof. Dickson has worked in

Aboriginal and Torres Strait Islander health and wellbeing service delivery and health professions education for over 30 years. She was formerly Deputy Head of School and previous Academic Program Director of the Graduate Diploma in Indigenous Health Promotion. In 2021 the Public Health Association of Australia (PHAA) awarded her for contribution to Aboriginal and Torres Strait Islander Public Health. A/Prof. Dickson focuses on privileging Aboriginal and Torres Strait Islander ways of knowing, being and doing in education, research, health and wellness. Her research partnerships include First Nations researchers and communities nationally and internationally.

Ms Liza Noonan Bec GAICD

Executive Director, Fostering Innovation Investment NSW

Liza Noonan has over 20 years of experience in strategy, innovation management, ecosystem development and deep tech. Liza also has an extensive network across Australia's Start-Up and Innovation Community. Liza is currently Executive Director of Fostering Innovation at Investment NSW. She was previously the Executive Director Tech Central, Westmead and Macquarie Park Innovation Districts with the Greater Cities Commission. Liza has worked in various senior roles at Australia's pre-eminent research organization - the CSIRO including 5 years working as the ASEAN Director and the Australian Science Counsellor to Singapore.

Doctor Marguerite Evans-Galea AM

STEM Executive, Non-Executive Director, Australia's Cell and Gene Catalyst

With a finger on the pulse of Australia's STEM ecosystem. Dr Marguerite Evans-Galea AM is an influential leader change-making at the interface of industry, academia and government. She is Director of Australia's Cell and Gene Catalyst, a joint venture of the industry peak bodies, AusBiotech and Medicines Australia. Dr Evans-Galea has led international research in cell and gene therapy for inherited diseases in the United States and Australia and established and led high-impact STEM policy and workforce initiatives with the Australian Learned Academies. Playing a pivotal role in elevating diversity and inclusion in Australian STEM to

the national agenda, Dr Evans-Galea cofounded Women in STEMM Australia, and served on the Ministerial Council for Women's Equality in Victoria and the SAGE Expert Advisory Group. She has received awards for her research and leadership and is an inductee of the Victorian Honour Roll of Women and a Member of the Order of Australia.

Mr David Thodey AO

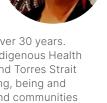
FTSE Chancellor, University of Sydney Chair, Xero Chair, Ramsay Health

David Thodey AO, FTSE became the 19th Chancellor of the University of Sydney on 1 July 2024. He is widely recognised for his contributions over 30 years to science and technology, business, public service and the community, with significant experience in driving innovation in start-ups, large companies and public sector bodies. An advocate for the real-world impact of research translation, David is known for prioritising people across all the fields he has worked in and is dedicated to delivering a great experience for our students and staff, and great partnerships beyond the University. In addition to his role as Chancellor, he is currently Chair

of Xero, a global cloud-based accounting solution and Ramsay Health Care, a global hospital group. Prior to becoming Chancellor, he had been a member of Senate's Finance Committee since 2022. He is passionate about environmental sustainability and cochairs the Great Barrier Reef Foundation, an Australian non-profit established to help preserve the Great Barrier Reef. He is also co-chair of the Climate Leaders Coalition. Previous roles include serving as chief executive of IBM Australia and New Zealand (1999–2001) and Telstra (2009–15), and as chair of the CSIRO (2015–21). David is active in public policy and led an Independent Review of the Australian Public Service (APS). He also chaired a NSW Government-appointed panel to lead an independent review of Federal Financial Relations. Most recently, he led a user audit of the myGov government services digital portal. In 2020, he was Deputy Chair of the Federal Government's National COVID-19 Coordination Commission (NCC) Advisory Board, supporting the Government to navigate the challenges faced during the early stages of the pandemic. David is an Officer (AO) in the General Division of the Order of Australia for ethical business leadership. He has been awarded an Honorary Doctorate in Science and Technology from Deakin University and an Honorary Doctor of Business from both University of Technology Sydney and the University of Sydney.









INVITED PRESENTERS



Associate Professor Darren Saunders

NSW Deputy Chief Scientist & Engineer Executive Director, Office of the NSW Deputy Chief Scientist Engineer Adjunct Associate Professor in Medical Sciences, USYD



Adjunct Professor Jean-Frédéric Levesque

Deputy Secretary, Clinical Innovation and Research and the Chief Executive, NSW Agency for Clinical Innovation



Doctor Marlien Varnfield

FESC Principal Research Scientist Group Leader | Digital Therapeutics and Care | eHealth Program The Australian e-Health Research Centre Health and Biosecurity CSIRO



Ms Larisa Chisholm Chief Operating Officer, Denteric Pty Ltd

PANEL DISCUSSION SPEAKERS

Professor Annemarie Hennessy AM Professor Susan Woolfenden Associate Professor Michelle Dickson Ms Carrie Hayter Professor Dharmintra Pasupathy Professor Kate Stevens Associate Professor Sarah Norris Ms Sally-Ann Williams Doctor Kim Sutherland Mr Bart Cavalletto Ms Emma Clarke Professor Philip O'Connell Professor Jon Iredell Mr Stephen Thompson Mr Nick Northcott Professor Meg Jardine Professor Clara Chow AM Prof Wah Cheung Doctor Mitchell Sarkies Professor Natasha Nassar Professor Tom Snelling Professor Ellis Patrick Doctor Marlien Varnfield Doctor Rebecca Poulos Doctor Jagdev Singh Professor Mark McLean Doctor Michelle Lorentzos Doctor Kavitha Gowrishankar Doctor Laura Collie Associate Professor Anai Gonzalez-Cordero

SHORT SEMINAR PRESENTERS

Professor Nadia Badawi Doctor Himanshu Popat Professor Caroline Jones Anjee Seeckun Professor Germaine Wong Mrs Chandana Guha Professor Peter Middleton Professor Natasha Rogers Associate Professor Wendy Gold Professor Tony Cesare Professor Stephen Alexander Associate Professor Harriet Gee







7-8 November



Paediatric Precision Medicine:

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WRIC Program: Day 1

Wednesday 18 September 2024		TIME
Registration: MC Nick Northcott		8:30 - 9:00 AM
Welcome to Country: Aunty Kerrie Doyle Conference Welcome: Adjunct Associate Professor Cathryn Cox PSM Video Welcome: Professor Robyn Ward		9:00 – 9:20 AM
INVITED DISCUSSION: Associate Professor Darren Saunders		9:20 - 9:50 AM
KEYNOTE PRESENTATION: Associate Professor Michelle Dickson Indigenous innovation in research – where innovation starts with "we" not "I'		9:50 - 10:20 AM
Early and Mid-Career Researcher Presentations – 5 × 5-minute presentations selected from submitted abstracts		10:20 – 10:50 AM
MORNING TEA + POSTERS		10:50 - 11:20 AM
INVITED DISCUSSION Adjunct Professor Jean-Frédéric Levesque – NSW Health: Update to the Research and Innovation Strategy		11:20 - 11:50 AM
PANEL DISCUSSION: - How do we conduct research ensuring equity and inclusion CHAIR: Professor Annemarie Hennessy PANELLISTS: Professor Susan Woolfenden, Associate Professor Michelle Dickson, Ms Carrie Hayter, Professor Dharmintra Pasupathy, Professor Kate Stevens, Associate Professor Sarah Norris		11:50 - 12:30 PM
LUNCH + POSTERS		12:30 – 1:30 PM
LUNCH + POSTERS Short Seminars – Lifelong Care	Short Seminars – The Science of Future Care	12:30 – 1:30 PM 1:30 – 2:50 PM
	Short Seminars – The Science of Future Care Professor Natasha Rogers From bedside to bench and back again	
Short Seminars – Lifelong Care	Professor Natasha Rogers	1:30 – 2:50 PM
Short Seminars – Lifelong Care Professor Nadia Badawi and Doctor Himanshu Popat Professor Caroline Jones and Anjee Seeckun	Professor Natasha Rogers From bedside to bench and back again Associate Professor Wendy Gold	1:30 – 2:50 PM 1:30 – 1:50 PM
Short Seminars – Lifelong Care Professor Nadia Badawi and Doctor Himanshu Popat Professor Caroline Jones and Anjee Seeckun Developing a communication app with culturally and Inguistically diverse residents in aged care Professor Germaine Wong and Mrs Chandana Guha Co-Designing a Life Course Model to Address Inequities in Access to Care and Outcomes in Children with Chronic	Professor Natasha Rogers From bedside to bench and back again Associate Professor Wendy Gold Unlocking the future of healthcare for Rett syndrome using biomarkers Professor Stephen Alexander Kidney disease in children; is the future here for all children yet if not	1:30 – 2:50 PM 1:30 – 1:50 PM 1:50 – 2:10 PM
Short Seminars – Lifelong CareProfessor Nadia Badawi and Doctor Himanshu PopatProfessor Caroline Jones and Anjee Seeckun Developing a communication app with culturally and linguistically diverse residents in aged careProfessor Germaine Wong and Mrs Chandana Guha Co-Designing a Life Course Model to Address Inequities in Access to Care and Outcomes in Children with Chronic Kidney DiseaseProfessor Peter Middleton	Professor Natasha Rogers From bedside to bench and back again Associate Professor Wendy Gold Unlocking the future of healthcare for Rett syndrome using biomarkers Professor Stephen Alexander Kidney disease in children; is the future here for all children yet if not when? Professor Tony Cesare and Associate Professor Harriet Gee Bridging basic and translational research in radiation oncology: surprising answers to open questions surrounding cell death induced	1:30 – 2:50 PM 1:30 – 1:50 PM 1:50 – 2:10 PM 2:10 – 2:30 PM
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Short Seminars – Lifelong Care Professor Nadia Badawi and Doctor Himanshu Popat Professor Caroline Jones and Anjee Seeckun Developing a communication app with culturally and linguistically diverse residents in aged care Professor Germaine Wong and Mrs Chandana Guha Co-Designing a Life Course Model to Address Inequities in Access to Care and Outcomes in Children with Chronic Kidney Disease Professor Peter Middleton Formation of CITRICA AFTERNOON TEA + POSTERS KEYNOTE PRESENTATION: Ms Liza Update on the NSW Innovation Blue PANEL DISCUSSION: - Driving Innovation in Health Prece CHAIR: Ms Sally-Ann Williams PANELLISTS: Doctor Kim Sutherland, Mr Bart Cavaller	Professor Natasha Rogers From bedside to bench and back again Associate Professor Wendy Gold Unlocking the future of healthcare for Rett syndrome using biomarkers Professor Stephen Alexander Kidney disease in children; is the future here for all children yet if not when? Professor Tony Cesare and Associate Professor Harriet Gee Bridging basic and translational research in radiation oncology: surprising answers to open questions surrounding cell death induced by genome damage Noonan Drint tto, Ms Emma Clarke, Professor Philip O'Connell,	1:30 - 2:50 PM 1:30 - 1:50 PM 1:50 - 2:10 PM 2:10 - 2:30 PM 2:30 - 2:50 PM 2:50 - 3:30 PM 3:30 - 4:00 PM

WRIC Program: Day 2

Thursday 19 September 2024	ТІМЕ
Registration: MC Nick Northcott	8:30 - 9:10 AM
Acknowledgment of Country & Day 2 Conference Welcome: Professor Philip O'Connell	9:10 - 9:15 AM
KEYNOTE PRESENTATION: Doctor Marguerite Evans-Galea AM Accelerating Australia's advanced therapeutics future: human-centred, industry-led, ecosystem-focused	9:15 – 9:55 AM
INVITED PRESENTATION: Doctor Marlien Varnfield – Unlocking the power of virtual care data	9:55 – 10:25 AM
MORNING TEA + POSTERS	10:25 – 10:55 AM
PANEL DISCUSSION: – Embedding research into practice CHAIR: Mr Nick Northcott PANELLISTS: Professor Meg Jardine, Professor Clara Chow AM, Professor Wah Cheung, Doctor Mitchell Sarkiess	10:55 – 11:40 AM
PANEL DISCUSSION: – Data in research CHAIR: Professor Tom Snelling PANELLISTS: Professor Natasha Nassar Associate Professor Ellis Patrick, Doctor Marlien Varnfield, Doctor Rebecca Poulos, Doctor Jagdev Singh	11:40 AM - 12:30 PM
LUNCH + POSTERS	12:30 - 1:30 PM
Honours & HDR Student Presentations – 6 × 5-minute presentations selected from submitted abstracts	1:20 - 2:00 PM
INVITED PRESENTATION: Ms Larisa Chisholm – An innovative first-in-class therapy for oral health and healthy ageing	2:10 – 2:30 PM
PANEL DISCUSSION: - System readiness for cell and gene therapies CHAIR: Professor Mark McLean PANELLISTS: Doctor Michelle Lorentzos, Doctor Kavitha Gowrishankar, Doctor Laura Collie, Associate Professor Anai Gonzalez-Cordero	2:30 – 3:15 PM
AFTERNOON TEA + POSTERS	3:15 – 3:45 PM
KEYNOTE PRESENTATION: Mr David Thodey AO	3:45 – 4:25 PM
Awards & EMCR Prizes	4:25 – 4:45 PM
Conference Close: Professor Roger Reddel AO	4:45 – 5:00 PM

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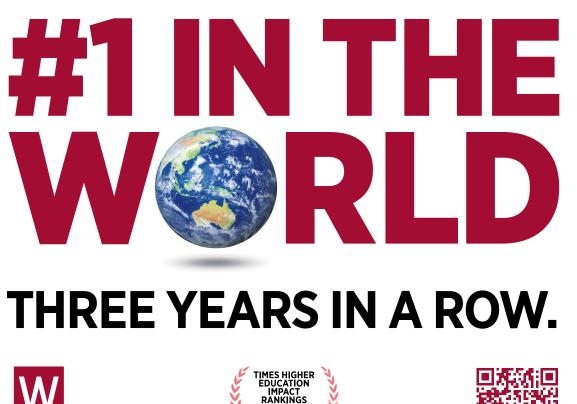
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Notes

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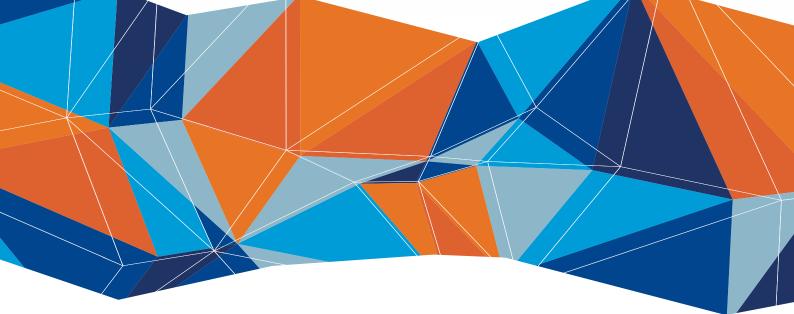






We look forward to seeing you next year

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Get in touch: For all enquiries visit https://www.westmead.org.au/ Level 1, 214 Hawkesbury Rd, Westmead NSW 2145 Australia +61 2 8865 2933 • info@wrh.org.au















