

# Program and speakers

The Australasian College of Dermatologists Environmental Sustainability Group

## Climate Change and Skin Health Summit

Saturday, 28th May 2022, 8.50am – 2.45pm AEST

8.50am Welcome to Country

9am Session 1: Science and health impacts

### Opening address

Dr Omar Khorshid, President, Australian Medical Association

### Climate change: An update on the science

Prof Hugh Possingham, Queensland Chief Scientist

### Public health impact and the role of the medical colleges

Prof Tarun Weeramanthri, President, Public Health Association of Australia

### Climate Change: Predictions of change to ozone, UV, air pollutants and weather patterns

A/Prof Robyn Schofield, University of Melbourne, Director of Environmental Science

### Q&A

10.10am Break

10.20am Session 2: Skin health

### The impact of climate change on skin health

A/Prof Misha Rosenbach, Associate Professor of Dermatology, Hospital of the University of Pennsylvania

### Skin cancer in a changing climate

Prof Monika Janda, Professor in Behavioural Science & Centre Director, Centre for Health Services Research, The University of Queensland

### Exposomics of skin aging: air pollution, UV and climate change

Prof Jean Krutmann, Scientific Director, IUF – Leibniz Research Institute for Environmental Medicine, Düsseldorf, Germany

### Wildfires and atopic dermatitis

Dr Maria L Wei, Professor of Dermatology, University of California, San Francisco. San Francisco VA Health Care System.

### Climate change and allergens

A/Prof Paul Beggs, School of Natural Sciences, Macquarie University

### Q&A

11.45am Break



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### 11.55am Session 3: Indigenous and tropical health

#### Climate change and Aboriginal and Torres Strait Islander Health

Dr Janine Mohamed, CEO Lowitja Institute

#### Climate change, infectious diseases and public health in the Torres Strait Islands

Dr Nina Lansbury, Senior Lecturer, School of Public Health, University of Queensland

#### Climate change and infectious diseases in northern Australia

Prof Bart Currie, Team Leader, Tropical and Emerging Infectious Diseases, Menzies School of Health Research

#### Q&A

### 12.50pm Lunch break

### 1.30pm Session 4: Clinicians leading change

#### Getting to Net Zero in healthcare

Dr Kate Charlesworth, Public Health Physician, Sydney

#### Workforce issues and climate change

Dr Catherine Pendrey, remote GP and medical educator

#### Preparing health professionals for climate change

Prof Lynne Madden, Inaugural Professor, Population and Planetary Health, National School of Medicine, The University of Notre Dame, Australia

#### Q & A

### 2.45pm Closing remarks

## Summit Speakers



### Dr Omar Khorshid

Dr Omar Khorshid is an experienced medical leader and orthopaedic surgeon, specialising in arthroscopic and reconstructive surgery of the knee and hip. He was elected President of the Federal AMA on 1 August 2020, and is a past President of AMA WA.

Omar was born in Melbourne and moved to Perth with his family as a child. He completed his medical degree at the University of Western Australia in 1997 and commenced his internship and residency at Sir Charles Gairdner Hospital in 1998. He completed his Advanced Surgical Training in Orthopaedics and was awarded Fellowship of the Royal Australasian College of Surgeons in 2007.

After a year as a consultant orthopaedic surgeon at Fremantle and Rockingham Hospitals, Omar spent a year performing Fellowships in Sydney (knee surgery) and Edinburgh (complex joint replacement), before returning to Perth in 2009.

Omar has a longstanding interest in medical education, and was appointed as an Adjunct Clinical Associate Professor at Curtin University's new medical school in 2016.



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### Prof Hugh Possingham

Professor Possingham became Queensland Chief Scientist in September 2020.

He is a conservation scientist and mathematician who has held positions in the university, public and not-for profit sectors. He is a Foreign Associate of the US National Academy of Sciences and a Fellow of the Australian Academy of Science.

He completed his PhD at Oxford University in 1987 as a Rhodes Scholar and was most recently the Chief Scientist at The Nature Conservancy, a global conservation organisation operating in 79 countries.

A winner of two Eureka Prizes, his most significant contribution to conservation was the co-development of [Marxan](#) software first used to rezone the Great Barrier Reef, and now used in almost every country in the world to inform the expansion of their marine and terrestrial protected area systems.

Hugh has worked with all levels of government and many not-for-profit organisations, pro bono, to improve the state of Australia's threatened species and habitats. He is currently on the board of directors of BirdLife Australia.

He has supervised over 200 honours students, doctoral candidates and postdoctoral fellows. He has published >650 peer-reviewed publications, >30 in Nature and Science.



### Prof Tarun Weeramanthri

Tarun Weeramanthri is President of the Public Health Association of Australia (PHAA), and an adjunct professor in the School of Population and Global Health at the University of Western Australia. He is a trained specialist in internal medicine and public health, and has a PhD in social medicine. He was Chief Health Officer in Western Australia (WA) from 2008 to 2018, and in the Northern Territory (NT) from 2004 to 2007.

In 2014, he was awarded the Sidney Sax Medal by PHAA for his contribution to public health in Australia. From 2019-2020, he conducted a statutory Inquiry into the Impacts of Climate Change on Health in WA. Since 2020, he has worked with governments across Australia, state and federal, on the COVID-19 response, including the National Contact Tracing Review, and Review of Hotel Quarantine Arrangements in WA.

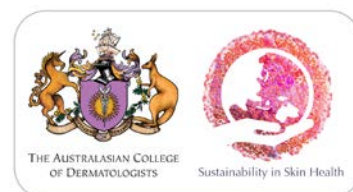
His interests are in how public health and good governance can contribute to change processes to address 'climate health', COVID-19, and future global threats that threaten equity and solidarity.



### A/Prof Robyn Schofield

A/Prof Robyn Schofield is an Atmospheric Chemist and the Associate Dean Environment and Sustainability at the University of Melbourne. She conducted her PhD in Environmental Science at the University of Auckland and NIWA in Lauder, Central Otago. She then worked for 2 years at NOAA in Boulder, Colorado and then spend 5 years in Germany as a Humboldt fellow and a Marie Curie fellow at the Alfred Wegener Institute in Potsdam, near Berlin.

Since 2011 she has been in Melbourne at the University of Melbourne and during that time has commissioned a mobile Air Laboratory which has been deployed on the CSIRO's and Australian Antarctic Division ships, and remote sites all around Australia. She has worked across stratospheric ozone, air pollution, climate science and during the COVID19 pandemic looked at airborne transmission mitigations of SARS-CoV-2 and indoor air quality.



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### A/Prof Misha Rosenbach

Dr Misha Rosenbach is an Associate Professor of Dermatology and Internal Medicine at the Perelman School of Medicine at the University of Pennsylvania. He is the Vice Chair of Education & Dermatology Residency Program Director.

Dr. Rosenbach's clinical practice is focused on complex medical dermatology in the inpatient and outpatient setting, and his research is focused primarily on sarcoidosis and granulomatous skin conditions. He is involved in local, state, and national efforts focused on sustainability in healthcare and climate change & medicine interactions.

He has published more than 200 peer reviewed articles, multiple chapters, and textbooks including serving as one of the editors of Andrew's Diseases of the Skin. He is the former deputy editor of JAMA Dermatology and remains on its editorial board. He is the President of the Medical Dermatology Society, and has leadership roles in the American Academy of Dermatology, including co-founder and co-chair of the Expert Resource Group on Climate Change.



### Prof Monika Janda

Monika Janda is a Professor in Behavioural Science at UQ, and is Director of the Centre for Health Services Research. Prof Janda's research focusses on innovative solutions to melanoma prevention and early detection. Prof Janda chaired the 2019 National Melanoma Screening Summit attended by research, consumer, and healthcare organisation experts, working towards the establishment of a melanoma screening roadmap. Janda was also a member of the organising committee for the National Sunscreen Summit (2018), which resulted in revised Australian sun exposure guidelines; and the National Sun Exposure Summit (2021), which provided evidence for the need to update those guidelines.



### Prof Jean Krutmann

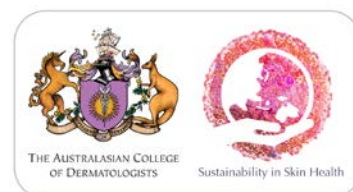
Jean Krutmann was born in 1959 in Menden, Germany, and obtained his MD from the University of Münster in 1986. After several stays abroad (postdoc at Case Western Reserve University, Cleveland, Ohio, USA and DFG stipend at the University Hospital for Dermatology in Vienna, Austria) he became resident, assistant/associate professor at the University Hospital for Dermatology of Freiburg. From 1994 until 2001 he was full professor/deputy director of the University Hospital for Dermatology Düsseldorf.

In 2001 he was appointed Chair of Environmental Medicine at the Medical Faculty of Heinrich Heine University Düsseldorf and thereby also Director of IUF. Under his directorship in 2011 the institute became a member of the Leibniz Association and was renamed IUF – Leibniz Research Institute for Environmental Medicine.

His research focuses on dermatotoxicology, immunodermatology and photodermatology with a special emphasis on environmentally-induced skin diseases and skin aging. He is author/coauthor of more than 450 contributions to scientific journals and books as well as editor of 9 textbooks.

Jean Krutmann was awarded several national and international prizes: Arnold Rikli Award, Albrecht Fleckenstein Award, Paul Gerson Unna Award, Oscar Gans Award, CE.R.I.E.S. Research Support Award, Dermopharmacy Innovation Award, the Tanioku Kihei Memorial Award and the Gerald Levene Oration.

Since 2010, he is member of the Leopoldina, the German National Academy of Science. Since 2021, he is co-speaker of the Leibniz Research Alliance "Resilient Ageing". Since 2019, he is honorary member of the American Society for



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Investigative Dermatology (SID) and the Japanese Society for Investigative Dermatology (JSID). Within the scope of the cooperation with Fudan University in Shanghai, China, he is Distinguished Adjunct Professor as well as Senior Visiting Professor of the Human Phenome Institute at the School of Life Sciences, and Associate Chair of the Strategic Steering Committee of the International Human Phenome Project.



### Prof Maria L Wei, M.D., Ph.D.

Dr Wei is Director of the Melanoma Surveillance Clinic at the Helen Diller Family Comprehensive Cancer Center at the University of California, San Francisco. She leads a research group that focuses on skin disorders resulting from the intersection of genetics, the environment, and behaviour. One focus of her group's research is assessing and addressing factors that impact melanoma outcomes, such as social determinants of health, and environmental conditions that influence the disease course of atopic dermatitis. Another focus of her research group is to harness artificial intelligence technology to develop non-invasive methods to diagnose skin cancers and dermatoses, with the goals of augmenting clinician diagnostic accuracy using precision medicine, and of addressing gaps in clinical care.



### A/Prof Paul Beggs

Paul Beggs is an Associate Professor in the School of Natural Sciences at Macquarie University in Sydney. He is an environmental health scientist with an interdisciplinary background including the biological sciences and climate sciences. He is the Co-Chair of the *MJA-Lancet* Countdown on health and climate change in Australia, which was established in 2017 in collaboration with the global *Lancet* Countdown based at University College London to track progress on health and climate change through annual indicator reports published in *The Medical Journal of Australia*. He was one of the lead investigators of the world's largest, most catastrophic epidemic thunderstorm asthma event that took place in Melbourne in 2016, including investigation of the environmental triggers and the emergency response and development of the world's first thunderstorm asthma forecasting system which is now operational in Victoria.

He publishes in prestigious health and medical journals such as *The Medical Journal of Australia*, *The Lancet Planetary Health*, and *The Journal of Allergy and Clinical Immunology*, and leading science journals such as *Proceedings of the National Academy of Sciences of the United States of America*, *Bulletin of the American Meteorological Society*, and *Science of the Total Environment*. In 2016 he published an award-winning book titled *Impacts of Climate Change on Allergens and Allergic Diseases* (Cambridge University Press). It is in this field that he is the Australian and an international leader. In particular, his research in this field focusses on the impacts of climate change on aeroallergens such as pollen and fungal spores and resulting impacts on allergic respiratory diseases such as asthma and allergic rhinitis.

Paul's recent research has informed the Climate Health WA Inquiry, Victorian emergency management practice, and NHMRC funding policy. His research has been funded as Chief Investigator through nationally competitive grants (National Health and Medical Research Council, Australian Research Council), through Federal and State research contracts (e.g., Bureau of Meteorology, Victorian Government Inspector-General for Emergency Management) and internationally (e.g., US Environmental Protection Agency, EU Cooperation in Science and Technology).

He was President of the International Society of Biometeorology from 2008-2011 and is current Vice President of the International Association for Aerobiology. He won the Eureka Prize for Medical Research in 2009 for his research on climate change and human health.



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### Dr Janine Mohamed

Dr Janine Mohamed is a proud Narrunga Kurna woman from South Australia. Over the past 20 years, Janine has worked in nursing, management, project management, research, workforce and health policy in the Aboriginal and Torres Strait Islander health sector. Many of these years have been spent in the Aboriginal Community Controlled Health sector at state, national and international levels. This includes the Aboriginal Health Council of South Australia (AHCSA), the National Aboriginal Community Controlled Health Organisation (NACCHO) and the Congress of Aboriginal and Torres Strait Islander Nurses and Midwives (CATSINaM), where she was the CEO from 2013 – 2018.

Janine has been based on Wurundjeri Country in Melbourne since 2019 as the CEO of the Lowitja Institute – Australia's National Institute for Aboriginal and Torres Strait Islander Health Research. She was awarded an Atlantic Fellows for Social Equity Fellowship in 2019 and a Doctorate of Nursing honoris causa by Edith Cowan University in January 2020. In 2021, Janine was awarded a Distinguished Fellowship by The George Institute for Global Health Australia. She is a regular spokesperson on key topics in Aboriginal and Torres Strait Islander Health, such as cultural safety, the social and cultural determinants of health, workforce and Indigenous data sovereignty.



### Dr Nina Lansbury

Dr Nina Lansbury (also published as Nina Hall) is a research and teaching academic at The University of Queensland's School of Public Health. Her current research at UQ examines health aspects for remote Indigenous community residents on both mainland Australia and in the Torres Strait in terms of housing, water and sewerage, and women's health. She is also investigating the impacts of climate change on human health, and this involves a role as lead author on the Intergovernmental Panel on Climate Change (WG II, AR6). Within the research sector, she was previously a senior research scientist at CSIRO, manager of the Sustainable Water program at The University of Queensland, and senior research consultant at the Institute for Sustainable Futures, UTS. Within the non-government sector, she was previously the director of the Climate Action Network Australia and research coordinator at the Mineral Policy Institute.



### Prof Bart Currie

Bart Currie is an infectious diseases and public health physician at Royal Darwin Hospital and Professor in Medicine at the Northern Territory Medical Program, Charles Darwin and Flinders Universities. He leads the Tropical and Emerging Infectious Diseases team at Menzies School of Health Research and was Director of the recently completed NHMRC-funded Tropical Disease Research Regional Collaboration Initiative (HOT NORTH). He was formerly Director of Infectious Diseases at Royal Darwin Hospital and formerly Director of RHD Australia, the National Support Unit for Australia's Rheumatic Fever Strategy. He is a member of the National COVID-19 Health and Research Advisory Committee and the Technical Reference Group for the Australian Government's Regional Health Security Initiative. He began both the Darwin Prospective Melioidosis Study and the Darwin Prospective Snakebite Study 32 years ago and both continue.

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### Dr Kate Charlesworth

MBBS(Hons), MPH, FAFPHM, PhD

Dr Kate Charlesworth is Senior Advisor, Environmental Sustainability in NSW Health.

Kate initially worked as a hospital doctor in Perth and Sydney, before undertaking much of her public health medicine training in the UK. In England, she worked in the national unit tasked with decarbonising the NHS – the leading program of its kind, in the world. Kate has worked in sustainability roles across NSW Health since 2018 and also has a PhD in low-carbon healthcare. She is now establishing a new 'Climate Risk and Net Zero' unit in NSW Health.



### Dr Catherine Pendrey

Dr Catherine Pendrey is a remote general practitioner who is interested in the nexus between health, equity and sustainability.

Catherine is a Fellow of the Royal Australian College of General Practitioners and has completed a Fellowship in Advanced Rural General Practice with an advanced skill in Aboriginal and Torres Strait Islander Health. She has worked across remote locations in Central Australia and the Katherine region, providing chronic disease, primary health and emergency care services. Catherine is committed to optimising the performance of health services to improve health outcomes. She has been involved in numerous innovation and quality improvement projects and is an Alumnus of both the Victorian Government's Clinicians in Redesign Program as well as the Inaugural Academy for Emerging Leaders in Patient Safety, hosted by the NSW Clinical Excellence Commission.

Catherine has published on the importance of integrating social accountability and planetary health approaches in medicine and has held various senior leadership roles and directorships in NGOs dedicated to addressing the health impacts of climate change and environmental unsustainability, including with the Climate and Health Alliance and Doctors for the Environment Australia. She has formerly worked as a researcher at Monash Sustainable Development Institute and previously served as a member of the United Nations Sustainable Development Solutions Network of the Asia Pacific Region.

Catherine is currently pursuing a Masters of Applied Epidemiology at the World Health Organisation Collaborating Centre for Reference and Research on Influenza at the Peter Doherty Institute in Melbourne.



### Prof Lynne Madden

BSc(Med)Hons1, MBBS, MPH, MSc, FFPH (UK), FAFPHM, FPHAA, MAICD

Professor Lynne Madden is the inaugural Professor of Population and Planetary Health at the School of Medicine, Sydney, The University of Notre Dame Australia (UNDA). In this role she has supported the development and launch in 2022 of the new [Master of Public and Environmentally Sustainable Health](#). She is also the Domain Head Population and Public Health for the medical program and the Course Coordinator for Environment, Society and Health within the Graduate Diploma of Health Sciences. Prior to this she was the Associate Dean, Learning and Teaching for the medical programs from 2012-2020, and continued to support this role as co-Associate Dean until 2021.



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Lynne is chair of the multi-college Climate Change and Health Research Project Advisory Group convened by the Royal Australasian College of Physicians, which oversaw the recent release of the research report [Climate Change and Australia's Healthcare Systems](#).

Lynne was the President of the Australasian Faculty of Public Health Medicine (AFPHM) and a member of the Board of the Royal Australasian College of Physicians from May 2016 - May 2018. Prior to this she was President elect AFPHM for 2 years and Chair of the AFPHM Faculty Education Committee for 8 years. Here she oversaw the development and delivery of the Public Health Medicine specialist training program. She was awarded the AFPHM President's award twice, in 2012 for her contribution to Education, Training and Assessment and in 2019 for her contribution to the Faculty.

Since 2019 Lynne has been the Chair, Health Education and Training Institute Higher Education Academic Board and a Member of the Higher Education Governing Council, for NSW Health.

As Manager of the Population Health Training and Workforce Unit at the NSW Ministry of Health for 18 years until 2012 she was responsible for development and delivery of the multidisciplinary NSW Public Health Officer Training Program (PHOTP), the NSW Aboriginal Population Health Training Initiative and was the Editor of the *NSW Public Health Bulletin*.

Lynne is a Trustee of the Lizard Island Reef Research Foundation of the Australian Museum which supports research into the Great Barrier Reef and marine ecosystems.

### Summit facilitator



Facilitator for the Summit is Kylie Woolcock, A/Chief Executive of AHHA. Kylie who brings with her a wealth of experience and knowledge on climate and health, sustainable health systems and workforce reform.

In 2021 Kylie was a lead author on the Deeble Institute for Health Policy issues brief [Transforming the health system for sustainability: Environmental leadership through a value-based health care strategy](#) outlining how sustainability and value-based health care (VBHC) system reform agendas can align to improve outcomes for people, communities and the planet.

In 2020 Kylie led the development of the [Sydney North Health Network Climate and Health Strategy](#) (the first of its kind within a PHN in Australia). This involved a desktop review of the climate and health evidence and current Australian policy landscape, and stakeholder consultation with health professionals across the Sydney North region.

Kylie has also been involved in climate and health advocacy on the global stage coordinating and hosting a panel session at the World Hospital Congress in November 2021 on embedding environmental sustainability in VBHC models.

As acting CEO Kylie continues to work closely with a diverse range of health services and stakeholders across the health system in Australia and internationally to support shifting the system towards a sustainable, person-centred, value-based system.