



Advances in public health and health services research at UNSW Sixth Annual Research Symposium

Never Stand Still

Medicine

School of Public Health and Community Medicine

Public health aspects of infectious disease control

Date: Thursday, 4th September 2014

8:30am - 4:30pm

Venue: The John Niland Scientia Building, UNSW

The Sixth Annual Research Symposium on “Advances in Public Health and Health Services Research at UNSW” is being held on Thursday, 4th September 2014 at the John Niland Scientia Building, Kensington Campus, UNSW.

The conference will showcase the most exciting elements in infectious disease research from UNSW Medicine, including the School of Public Health and Community Medicine, The Centre for Primary Health Care and Equity, The Kirby Institute and The National Drug and Alcohol Research Centre.

The program includes a focus on malaria, emerging infections, sexually transmitted infections, vulnerable populations, translation and policy, epidemiology and modelling, global infectious disease, risk behaviours and infections including presentations (poster and talks) by academics and postgraduate research students from the School and Centres.

The day will also include a lively debate featuring our keynote speaker and senior UNSW academics who will argue the topic ‘Planning for emerging epidemics

is a waste of time’. An afternoon methods session featuring data linkage will be followed by an interactive Q&A session. The event will conclude with an awards ceremony accompanied by drinks and canapés.

Find out more about Infectious Disease at the School of Public Health and Community Medicine

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Overview of School and Research Centres

The School of Public Health and Community Medicine is a leading postgraduate educator in Australia and the Asia-Pacific region through our Master in Public Health, International Public Health and Health Management programs. We offer a MPH specialisation in Infectious Diseases Epidemiology and Control, as well as a graduate diploma and certificate in Infectious Diseases Intelligence. Our students can also choose from exciting work-based options such as internships. We also have a large PhD and research degree program, as well as an elite DrPH program, the UNSW Future Health Leaders Program. One of the major flagship areas of research strength at SPHCM is infectious diseases. The School has multidisciplinary expertise in epidemiology, mathematical modelling, health economic evaluation and social and clinical research in infectious diseases, vaccines and infectious disease risks in special risk populations. We also host a NHMRC Centre for Research Excellence in Immunisation of special risk populations.

The Centre for Primary Health Care and Equity (CPHCE) is a leading Australian research centre in primary health care and equity. Its research streams are Primary Health Care System Development, Family and Community Ecology, Prevention and Management of Chronic Conditions and Primary Health Care Informatics, and it is made up of researchers based at the Centre at Randwick, in SPHCM, in the General Practice Unit at Fairfield and at CHETRE at Liverpool. It has close links with neighbouring Local Health Districts and Medicare Locals, and works with health services, clinicians and government to build research capacity and support the translation of research evidence into practice.

The Kirby Institute is recognised internationally as a research leader in the fields of HIV/AIDS, viral hepatitis and sexually transmissible infections. The Institute's primary functions relate to the coordination of national surveillance programs, clinical research and clinical trials. The Institute also contributes to training of health professionals, and development and implementation of health policy and programs. The Institute has an extensive range of collaborators, including the other national research centres, State and Territory Health Departments, public and private clinical units, national and international organisations, and the corporate sector including the pharmaceutical industry.

The National Drug and Alcohol Research Centre (NDARC) is a premier research institution in Australia and is recognised internationally as a Research Centre of Excellence. The overall mission of NDARC is to conduct and disseminate high quality research and related activities that increase the effectiveness of responses to alcohol and other drug related harm. NDARC was established at UNSW in 1986 and is funded by the Australian federal government as part of its National Drug Strategy.

Keynote speakers



Professor Graham Brown

Foundation Director of the Nossal Institute for Global Health at the Melbourne School of Population and Global Health, The University of Melbourne

Professor Graham Brown, Foundation Director of the Nossal Institute and past Head of Infection and Immunity at the Walter and Eliza Hall Institute for Medical Research and of the Victorian Infectious Diseases Service at the Royal Melbourne Hospital, and James Stewart Professor of Medicine. Graham has also worked in education and research in Papua New Guinea and Tanzania and completed his MPH at the Harvard School of Public Health. He has served on various national and international review committees and was a member of the Strategic Advisory Council for The Bill and Melinda Gates Children's Vaccine Program. Graham has held a number of appointments advising the Tropical Disease Research Program of the World Health Organization and is currently Chair of the Malaria Vaccine Advisory Committee. He serves on the board of Roll Back Malaria, representing the Research and Academia constituency, and is Chair of the Scientific Consultants Group of the USAID Malaria Vaccine Development Program. His research interests include immunity to malaria, particularly malaria in pregnancy, and the challenge of malaria elimination. In 2010, he was made a member of the Order of Australia for service to medicine in the field of infectious diseases.

Professor Brown will speak on 'The global burden of malaria and the challenge of eradication'.



Professor Raina MacIntyre

Head of the School of Public Health and Community Medicine at UNSW and Professor of Infectious Disease Epidemiology

Professor Raina MacIntyre is a public health physician and an expert in infectious diseases epidemiology. She is involved in studies of the transmission and prevention of infections in populations. Her most significant research is on the transmission and control of infectious diseases spread by the respiratory route. She has current research projects encompassing clinical trials and epidemiologic studies of face masks, vaccines, antivirals and other preventive measures in communicable diseases control. She also has projects in special risk populations such as health care workers, immunosuppressed, refugees and the frail elderly. Among many competitive grants, she leads a NHMRC Centre for Research Excellence in Population Health in immunisation. With over 240 peer-reviewed publications she also sits on several national and international expert groups and on editorial boards

of several international journals including BMJ open, Epidemiology & Infection and Vaccine Council of 100. Among numerous career awards, she received the Sir Henry Wellcome Medal and Prize, from the Association of Military Surgeons of the US in 2007 for her work on bioterrorism, and has previously been awarded the Australian Society for Infectious Diseases Award for Advanced Research in Infectious Diseases (2003). She was also the winner of the 2012 Dean's award, the highest honour awarded at UNSW Medicine, and the 2014 Public Health Association of Australia National Immunisation Achievement Award.

Professor MacIntyre will speak on 'The fuss about face masks'.



Professor John Kaldor

Public Health Interventions Research Group and Professor of Epidemiology at The Kirby Institute, UNSW

John Kaldor is a NHMRC Senior Principal Research Fellow. He holds a doctorate in Biostatistics from the University of California, Berkeley, and began his research career at the International Agency for Research on Cancer in Lyon, France. For over 20 years he has built and led internationally recognised research programs at UNSW on the epidemiology and prevention of HIV infection and other sexually transmitted and bloodborne infections. His research has covered a wide range of projects, including the development and implementation of public health surveillance systems, investigations of HIV-related cancer, cohort and cross-sectional investigations of risk factors for infectious disease transmission, and interventional trials of disease prevention strategies. With over 400 peer reviewed scientific publications that have been cited collectively over 15,500 times, Professor Kaldor has been a highly influential contributor to public health knowledge. His work has guided policy in disease control, particularly in relation to the prevention of HIV infection. Professor Kaldor has also served on numerous policy and advisory committees in Australia and Internationally. He has had close working relationships with public health programs in a number of countries of the Asia-Pacific region, particularly Cambodia, Indonesia and Papua New Guinea. Professor Kaldor is a past President of the Australasian Epidemiological Association, and currently serves as a ministerially appointed member of the Repatriation Medical Authority. He was co-chair of the 2012 International Microbicides Conference, held in Sydney.

Professor Kaldor will speak on 'Routine doesn't mean boring: Data for control of infectious diseases'.

PROGRAM	
Time	Introductory Session / Chair: Professor Peter Gunning / Gallery One
8:30 – 8:45am	Registration
8:45 – 10:30am	Acknowledgment of Country – Aunty Ali Golding, UNSW Medicine Aboriginal Elder
	Welcome Address – Professor Peter Smith, Dean UNSW Medicine
	Keynote Address: The global burden of malaria and the challenge of eradication – Professor Graham Brown, The University of Melbourne
	Keynote Address: The fuss about face masks – Professor Raina MacIntyre, UNSW
10:30 – 11:00am	Keynote Address: Routine doesn't mean boring: Data for control of infectious diseases – Professor John Kaldor, UNSW
	Morning Tea and poster viewing / Tyree Room
Session One	Session One / Epidemiology and Modelling / Chair: Dr Natacha Carragher / Gallery One
11:00 – 12:00pm	Estimating infectious disease parameters from routinely collected data – Dr James Wood
	A systematic review of the avian and human epidemiology of influenza A H5N1 and H7N9 – Dr Chau Bui
	Characterising Hepatitis C virus transmission dynamics in a high-risk incarcerated population – Mr Neil Bretana
	Characteristics associated with increased risk and burden of pertussis in older adults – Dr Surendra Karki
Session Two	Session Two / Risk Behaviours and Infections / Chair: Professor Tony Butler / Gallery Two
11:00 – 12:00pm	Face touching: A frequent habit for self-inoculation of transmissible infections? – Professor Mary-Louise McLaws
	Are further Hepatitis A outbreaks possible among men who have sex with men in Sydney, Australia? – Dr Hammad Ali
	Human papillomavirus infection in teenage men who have sex with men: Implications for HPV vaccination policy – Dr Huachun Zou
	Hepatitis C (HCV) testing and treatment among people who inject drugs (PWID) – Ms Kerryn Butler
Session Three	Session Three / Vulnerable Populations / Chair: Professor Mark Harris / Gallery One
12:00 – 1:00pm	Antenatal care and infectious disease risk at Aboriginal Medical Service Western Sydney – Ms Dea Delaney-Thiele
	The use of routinely collected clinical data to illuminate gaps in current research into STI and BBV in the urban Aboriginal and Torres Strait Islander population – Dr Mary Ellen Harrod
	Testing for blood borne viruses among Indigenous prison entrants in Australia – Ms Dina Saulo
	Immisation coverage among a birth cohort of Aboriginal pre-school children in an urban community – A/Professor Elizabeth Comino
Session Four	Session Four / Global Infectious Disease / Chair: Dr Bette Liu / Gallery Two
12:00 – 1:00pm	'As for my infection, this was a national sadness, it was': Elderly gay Chinese man's experiences of living with HIV – Professor Heather Worth
	Infection control survey in three Asian countries to examine policies and practices around the use of facemasks in healthcare settings – Mr Abrar Ahmad Chughtai
	The contribution of travellers visiting friends and relatives to notified infectious diseases – Dr Anita Heywood
	Antibiotic prescribing practices and antibiotic resistance in Cambodia – Mr Chhorvoin Om
1:00 – 2:00pm	Lunch and poster viewing / Tyree Room
The Great Debate	'Planning for emerging epidemics is a waste of time' / Chair: Professor Mark Harris / Gallery One
2:00 – 3:00pm	Affirmative Side: Professor Mary-Louise McLaws, Dr Bridget Haire and Professor George Rubin Negative Side: Professor Heather Worth, Professor Andrew Grulich and Professor Graham Brown
Methods Session	Methods Data Linkage / Facilitator: A/Professor Glenda Lawrence / Gallery One
3:00 – 3:45pm	Brief presentations on cutting edge collaborative data linkage studies followed by an interactive Q&A session – Presentations from Dr Janaki Amin, Dr Bette Liu, A/Professor Elizabeth Comino and Professor Louisa Degenhardt
Awards Ceremony	Chair: Professor Peter Gunning / The Foyer
3:45 – 4:30pm	Presentation of SPHCM staff and student prizes and awards, including the Best Poster Prize accompanied by drinks and canapés

