

Faculty of Medicine

Research Expo 2020

26-30 October



Guest Speakers



Professor Ian Frazer AC

FRS, FRSE, FAA, FAHMS, BSc (Hons), MB ChB, MD, DSc (h c) (Ed), FRCP(Ed), FRCPA, FAICD, FTSE, FRACGP, FRACOG (Hon), FASM

Professor Ian Frazer is a clinician scientist, trained as a clinical immunologist in Scotland. As a professor at the University of Queensland, Ian leads a research group working at TRI in Brisbane, Australia on the immunobiology of epithelial cancers.

He is recognised as co-inventor of the technology enabling the HPV vaccines, currently used worldwide to help prevent cervical cancer.

Professor Frazer heads a biotechnology company, Jingang Medicine (Aus) Pty Ltd, working on new vaccine technologies, and is a board member of several companies and not for profit organisations.

Ian was the inaugural president of the Australian Academy of Health and Medical Sciences, and a member of the Australian National Science and Technology Council.

Professor Frazer chairs the Australian Medical Research Advisory Board of the Medical Research Future Fund.



Dr Jeannette Young PSM

PSM, MBBS, MBA, DUniv(Griffith), DUniv(QUT), FRACMA, FCHSM(Hon)

Dr Young is Queensland's Chief Health Officer and also occupies the roles of Deputy Director-General Prevention Division and Chief Medical Officer. She has specialist qualifications as a Fellow of the Royal Australasian College of Medical Administrators and as a Fellow by Distinction of the Faculty of Public Health of the Royal College of Physicians of the United Kingdom. She has Adjunct Professor appointments at Griffith University, Queensland University of Technology and the University of Queensland.

Her role includes responsibility for health disaster planning and response; aeromedical retrieval services; licensing of private hospitals and schools of anatomy; policy and compliance regarding organ and tissue donation, blood, medicines and poisons, cancer screening, communicable diseases, environmental health, preventive health; and medical workforce planning and leadership.

Dr Young is a member of numerous state and national committees and boards including at a national level the National Health and Medical Research Council, Australian Health Protection Principal Committee, Jurisdictional Blood Committee, Standing Committee on Screening, Jurisdictional Advisory Group on Organ and Tissue Donation, Medical Workforce Reform Advisory Committee, Australian Strategic Advisory Group on Antimicrobial Resistance, Population Health Research Network Participant Council, and the National Advisory Council on Medicinal Cannabis.

At a State level Dr Young is a member of the Executive Directors of Medical Services Forum, the Clinical Senate, Radiation Health Advisory Committee, Great Start DDG Cluster Group, and Keeping Queenslanders Health DDG Cluster Group. She is Chair of the Medical Schools Liaison Committee, the Mass Gatherings Committee, the Regional Medical Program Steering Committee, and the Real Time Reporting Strategic Oversight Committee.

Faculty of Medicine Research Expo

Day 1 – 26th October 2020 12–1pm

Professor Geoff McColl

Executive Dean

Acknowledgement of country and welcome

Professor Liz Eakin

Head of School, School of Public Health

An overview of SPH and its research

Professor Lizzie Coulson

Interim Head of School, School of Biomedical Sciences

An overview of SBMS and its research

Professor Paul Colditz

Head of School, School of Clinical Medicine

An overview of SoCM and its research

Associate Professor Srinivas Kondalsamy-Chennakesavan

Director of Research, Rural Clinical School

An overview of RCS and its research

Professor Karen Moritz

Director, Child Health Research Centre

An overview of CHRC and its research

Professor Len Gray

Director, Centre for Health Services Research

An overview of CHSR and its research

Professor Maher Gandhi

Executive Director, Mater Research Institute – UQ

An overview of MRI-UQ and its research

Professor David Paterson

Director, UQ Centre for Clinical Research

An overview of UQCCR and its research

Professor Paul Clarke

Director, UQ Diamantina Institute

An overview of UQDI and its research



Faculty of Medicine Research Expo

Day 2 – 27th October 2020 12.30–1.30pm

Associate Professor Marina Reeves

Deputy Associate Dean Research (Researcher Development)

Welcome and overview by Session Chair

Zoe Thomson

School of Public Health

The weight of a breast cancer diagnosis

Martin Lo

School of Biomedical Sciences

Dementia and Inflammation: A Brain on Fire

Silver Heinsar

School of Clinical Medicine

The Pulsatile ECMO study

Clyson Mutatiri

Rural Clinical School

Stemming the tide of chronic kidney disease: who should be referred to the kidney specialist and when?

Claire Brereton

Child Health Research Centre

Reducing child mortality in the Solomon Islands: an approach for a least developed country

Jodie Austin

Centre for Health Services Research

Managing therapeutic anticoagulation in the digital era

Jessica Turner

Mater Research Institute – UQ

From erection to contraction, the re-purposing of a little blue pill

Jessica Greaney

UQ Centre for Clinical Research

What makes a good egg?

Joshua Monteith

UQ Diamantina Institute

Treating Cloaking Antibody: Seizing the means of production



Voting opens



Q+A session with chair and presenters



Winner and runner-up announced

Faculty of Medicine Research Expo

Day 3 – 28th October 2020 1-2pm

Dr Tracey Bjorkman

Senior Research Fellow, Faculty of Medicine ECR Committee Chair

Welcome and overview by Session Chair

Dr Megan Ferguson

School of Public Health

Co-creation of healthy food environments with Aboriginal and Torres Strait Islander people in remote communities

Dr Cassy Spiller

School of Biomedical Sciences

Safeguarding fertility: healthy testis form and function begins in the womb

Associate Professor Victoria Eley

School of Clinical Medicine

Antibiotics before caesarean delivery: is the neonate at risk?

Dr Tiana Gurney

Rural Clinical School

Understanding the non-professional needs of early career doctors: an interview-based study

Dr Sarah Reedman

Child Health Research Centre

I can, I am, I participate. Using participation-focused physiotherapy to support children with cerebral palsy to achieve sports and physical activity goals

Dr Andrea Viecegli

Centre for Health Services Research

Patients as partners

Dr Katie Brooker

Mater Research Institute – UQ

Improving the way we deliver healthcare to Autistic adults

Dr Suzanne Parker

UQ Centre for Clinical Research

Microsampling to facilitate antimicrobial research in infants and children, including those in rural or remote regions

Dr Blerida Banushi

UQ Diamantina Institute

Endocytosis Inhibition in Humans to Improve Responses to ADCC-Mediating Antibodies



Voting opens



Q+A session with chair and presenters



Winner and runner-up announced

Faculty of Medicine Research Expo

Day 4 – 29th October 2020 11.30am–12.30pm

Associate Professor Kylie Tucker

Senior lecturer School of Biomedical Sciences

Welcome and overview by Session Chair

Associate Professor Genevieve Healy

School of Public Health

Supporting workers to sit less and move more

Dr Jana Vukovic

School of Biomedical Sciences

Demystifying microglia

Associate Professor Katharine Wallis

School of Clinical Medicine

Medical assessment of older drivers in general practice

Dr Belinda O'Sullivan

Rural Clinical School

Doctors getting onto vocational training programs: what is going on? And implications for well-being

Dr Lisa Akison

Child Health Research Centre

Prenatal alcohol exposure programs offspring disease: Evidence from rat models that mimic typical exposures in Australian women

Dr Kim-Huong Nguyen

Centre for Health Services Research

Too much = waste; too little = disaster. How economic thinking can improve aged care services

Dr Sandra Richardson

Mater Research Institute – UQ

Jumping in the germline genome: LINE-1 retrotransposons and human reproductive health

Dr Amy McCart Reed

UQ Centre for Clinical Research

Comparing apples to apples....or.... precision oncology for breast cancer

Dr Fernando Guimaraes

UQ Diamantina Institute

Awakening Natural Killer cells for cancer therapy: the cure can be inside us



Voting opens



Q+A session with chair and presenters



Winner and runner-up announced

Faculty of Medicine Research Expo

Day 5 – 30th October 2020 11-12pm

Professor Elizabeth Eakin

*Welcome and overview by former
Associate Dean (Research)*

Professor Ian Frazer AC FRS

Professor, Faculty of Medicine, University of Queensland

*Q&A with former Associate Dean (Research),
Professor Elizabeth Eakin*

Dr Jeanette Young PSM

Chief Health Officer Queensland

Q&A with Executive Dean, Professor Geoff McColl



HDR winning presentation

ECR winning presentation

MCR winning presentation

Professor Elizabeth Eakin

Closing by former Associate Dean (Research)

