



## 2025 Australian eHealth Research Colloquium

**Tuesday 25<sup>th</sup> March 2025**

RBWH Education Centre, Block 1, Royal Brisbane and Women's Hospital, Herston QLD 4029

### PROGRAM

**Time zone for this event is AEST**

**08:30 Registration, tea & coffee**

09:00 *Welcome and introduction*

**David Hansen**, CEO, Australian e-Health Research Centre, CSIRO

9:10 *Acknowledgement of country*

**Henry Nona**, Cultural Capability Officer, Metro North Health

**SESSION 1:** *Chair: Richard Royle, Chair, Australian e-Health Research Centre*

09:15 *Automated wearable ultrasound imaging solution*

**Maria Antico**, Australian e-Health Research Centre, CSIRO

09:25 *Australia's aged care data landscape: Gaps, opportunities and challenges*

**Liesel Higgins**, Australian e-Health Research Centre, CSIRO

09:35 *Aus CVD Risk-i: Integrating cardiovascular risk calculation into GP systems using FHIR*

**John Grimes**, Australian e-Health Research Centre, CSIRO

09:45 *Modelling the pathways to vaccine success: understanding the drivers of induced immunity in SARS-CoV-2 and influenza*

**Laurence Wilson**, Australian e-Health Research Centre, CSIRO

09:55 *Modelling hospital demand and the prevalence of pathogens from climate variations for NCRA*

**Rajiv Jayasena**, Australian e-Health Research Centre, CSIRO

10:05 *Kara-Care: An interoperable digital yarnning tool to enhance Aboriginal health service delivery in the Pilbara*

**Jana Vignarajan**, Australian e-Health Research Centre, CSIRO

**Leanne Pilkington**, Aboriginal Health Team, Child and Adolescent Community Health, Child Adolescent Health Service, WA

10:15 *SuPAFlow: Study to analyse patient flow in Queensland hospitals*

**Angie Nguyen Vu**, Emergency Medicine Foundation

**10:30 Morning refreshments, poster displays and demonstrations**

## SESSION 2: *Chair: David Hansen, Australian e-Health Research Centre*

- 11:00 *Low variation care: ieMR PowerPlans*  
**Tanya Kelly**, Deputy Director General for eHealth Queensland
- 11:15 *Digital public health*  
**Brett Sutton**, CSIRO Health and Biosecurity
- 11:30 *Bridging innovation to impact: Why QMS is the key to SaMD translation*  
**Yan Chia**, Australian e-Health Research Centre  
**Jason Dowling**, Australian e-Health Research Centre
- 11:45 *A day in the life of an Australian medicines terminology concept*  
**Sarah Kong**, Australian e-Health Research Centre, CSIRO
- 12:00 *Collaboration showcase: AEHRC and Herston Infectious Diseases Institute*

**Chair: Jason Roberts**, Interim Director, Herston Infectious Diseases Institute and Director, UQ Centre for Clinical Research

1. *Interoperability of antibiotic resistance – development and pilot of Innovate-antibiogram (i-gram)*  
**Yuki Ezure**, PhD Student, School of Public Health, University of Queensland
2. *Development and clinical integration of a novel precision dosing software application to improve antimicrobial dosing in critically ill patients*  
**Amy Legg**, Clinical Pharmacist, Royal Brisbane and Women's Hospital and Clinical Researcher, UQ Centre for Clinical Research
3. *Infection control platform: Infection control real time data analysis and outcome simulation*  
**Hamed Hassanzadeh**, Australian e-Health Research Centre
4. *Predicting CLABSI: Catheter associated bloodstream infection in critically ill adults*  
**Jessica Rahman**, Australian e-Health Research Centre
5. *The 3000 Genomes project: Using machine learning and artificial intelligence for robust culture independent susceptibility testing*  
**Patrick Harris**, Infectious Disease Physician, Medical Microbiologist and NHMRC Emerging Leader (EL2) Fellow at the University of Queensland Centre for Clinical Research
6. *Wastewater-based epidemiology for viral pathogen surveillance*  
**Jatinder Sidhu**, Senior Research Scientist, Coastal Microbiology and Biogeochemistry, Environment Research Unit, CSIRO

**13:00 Lunch, poster displays and demonstrations**

## SESSION 3: *Chair: Marlien Varnfield, Australian e-Health Research Centre*

- 13:45 *Why implementation science matters in digital health: A case study*  
**Alana Delaforce**, Australian e-Health Research Centre, CSIRO
- 14:00 *To be announced*
- 14:15 *Considerations and evidence for genetic epistasis in complex disease*  
**Letitia Sng**, Australian e-Health Research Centre, CSIRO
- 14:30 *Using AI to improve PET quantification*  
**Pierrick Bourgeat**, Australian e-Health Research Centre, CSIRO
- 14:45 *AI for automated clinical coding*  
**Hoa Ngo**, Australian e-Health Research Centre, CSIRO



Australian e-Health  
Research Centre



15:00 *Projecting future climate impact on influenza infection in Australia*  
**Aminath Shausan**, Australian e-Health Research Centre, CSIRO

15:15 **Wine & cheese, poster displays and demonstrations**

16:30 **Close and a celebratory drink**

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