

World Antimicrobial Resistance Awareness Week 2026

# BRIDGING LAB, DATA AND PATIENTS: DIGITAL APPROACHES TO AMS & AMR

Brought to you by the NCAS, RMH Guidance Group and Doherty AMR Theme

Friday 20 November 2026  
8:30am – 4:30pm

FREE ONLINE | \$50 IN PERSON

**Peter Doherty Institute for Infection and Immunity**  
Auditorium, Ground Floor  
792 Elizabeth Street  
Melbourne VIC 3000

Register by 13 November at

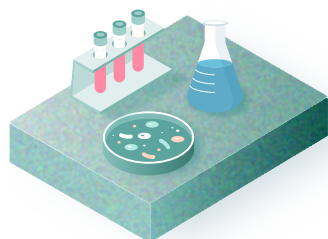
[bit.ly/NCASWAAW2026](https://bit.ly/NCASWAAW2026)



A joint venture between The University of Melbourne and The Royal Melbourne Hospital

# PROGRAM

Bridging lab, data and patients: digital approaches to AMS & AMR  
World Antimicrobial Resistance Awareness Week 2026



08:30 – 09:10

Registration and Morning Tea

09:10 – 09:30

Welcome and Acknowledgement of Country

Prof Kas Thursky  
Director, NCAS

09:30 – 10:00

Digital AMS & AMR: Research in Focus

Dr Rod James  
Doherty AMR Theme Co-Lead

10:00 – 12:00

## STREAM 1: Transforming AMR

Chairs: Dr Rod James and  
A/Prof Norelle Sherry

### Resistance and Combination Therapy in *S. aureus* Bacteraemia

Dr Yonas Martin  
Dept. of Infectious Diseases, UniMelb

### Embedding RCTs in Electronic Health Records for Diagnostic Stewardship

Dr Arvind Yerramilli  
Dept. of Infectious Diseases, UniMelb

### Evolution and Transmission of Daptomycin-Resistant VRE

Dr Claire Gorrie  
Dept. of Microbiology & Immunology, UniMelb

### Mining Bacterial Genomes for Next-Gen Antibiotics

Dr Liam Sharkey  
Dept. of Microbiology & Immunology, UniMelb

### Predicting Drug Resistance in Tuberculosis with AI

Dr Nabil Islam  
Peter Doherty Institute

### The Role of Genomics in Antifungal Resistance

Dr Andrew Gador-Whyte  
Dept. of Microbiology & Immunology, UniMelb

### Carbapenem-resistant Organisms Outbreak Investigation in Fiji

Dr Aneley Getahun  
MDU Public Health Laboratory, UniMelb

## STREAM 2: Transforming AMS across the sectors

Chair: Ms Caroline Chen

### Digital innovations for residential aged care homes

Ms Gabriella Griggs  
Digital Health Human Factors  
Research Group, USyd

### Surgical AMS

Dr Courtney Ierano  
NCAS, UniMelb

### Audit and Feedback in Hospital AMS Programs

Ms Misha Devchand School of Public  
Health & Preventive Medicine, Monash Uni

### Assessing Antimicrobial Appropriateness in Aged Care

A/Prof Noleen Bennett  
NCAS, UniMelb

### Antibiograms in Veterinary Practice

Dr Holly Lambert  
APCAH, Melbourne Vet School, UniMelb

### Developing a Dental Antimicrobial Prescribing Audit

Dr Tejashree Kangutkar  
Melbourne Dental School, UniMelb

### Transforming Hospital AMS Through Data and Automation

Ms Jenna Maleki  
RMH Guidance Group, Melbourne Health

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12:00 - 13:00

Lunch

13:00 - 13:50

## Data Science and Clinical Informatics: Bridging Disciplines

Chair: Dr Courtney Ierano

### Translating Clinical Questions into Data Science Problems

Dr David Martinez Iraola

Senior Research Fellow, School of Computing Technologies, RMIT

### Real-world AMS implementation in primary care: clinical question to digital solution

Mr Ron Cheah

NCAS, UniMelb

### From Clinical Question to Scalable Solution: A Bioinformatician's Perspective

Dr Ben Goudey

AI Technical Lead, Australian Biocommons

13:50 - 14:10

Afternoon Tea

14:10 - 15:10

## Digital Innovations for AMS and AMR

Chair: Dr Ri Scarborough

### AusTrakka

Prof Torsten Seemann,

Centre for Pathogen Genomics, Dept. of Microbiology & Immunology, UniMelb

### EINSTEIN

Dr Zoe Neoh

Dept. of Infectious Diseases, Peter MacCalum Cancer Centre

### A One Health Genomic Surveillance Program in Australia

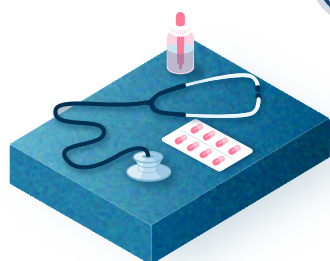
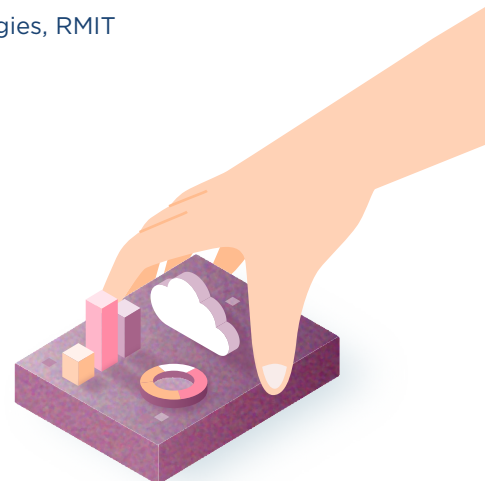
Dr Celeste Donato

Centre for Pathogen Genomics, Dept. of Microbiology & Immunology, UniMelb

### The NAPS Program

Ms Caroline Chen

RMH Guidance Group, Melbourne Health



15:10 - 16:20

## The Great Debate

### AI & Machine Learning in AMS and AMR: Essential Innovation or Emerging Hype?

Chair: Prof Kas Thursky

#### Essential Innovation

**Prof Peter Steel**

Chief Transformation Officer  
Melbourne Health

**Prof Daniel Capurro**

School of Computing & Information Systems, UniMelb

#### Emerging Hype

**Dr Anna Sri**

APCAH, Melbourne Vet School, UniMelb

**Dr Steve Christov**

RMH Guidance Group, Melbourne Health

16:20 - 16:30

## Closing remarks

Prof Kas Thursky