

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

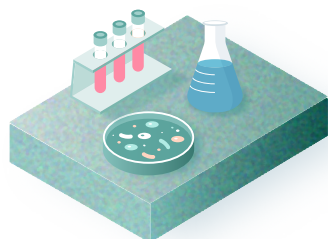
bit.ly/NCASWAAW2026



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 Gabriela 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 Kangukar
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

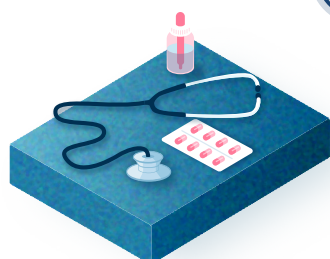
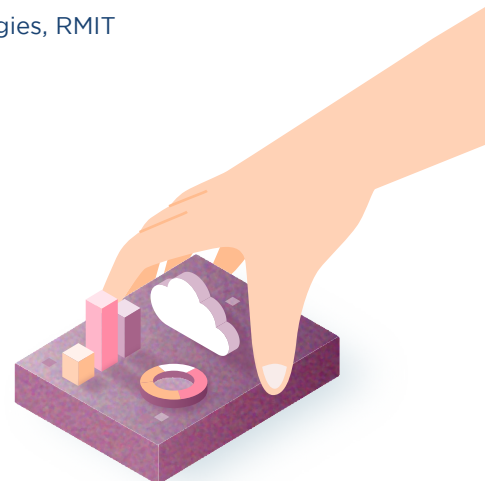
Dr Celeste Donato

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