



# Victorian News

The Australian Society for Microbiology VIC Branch Newsletter

June 2019, Vol 523

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**Submission Deadline: 4<sup>th</sup> of the Month**

**Find us on Facebook: <https://www.facebook.com/groups/250340155042466/>**

# Contact Details

## **Victorian Branch ASM:**

The Australian Society for Microbiology  
Victorian Branch  
c/o: 9/397 Smith Street, Fitzroy VIC 3065  
Weblink: <http://victoria.theasm.org.au/>  
Email: [catherine.satzke@mcri.edu.au](mailto:catherine.satzke@mcri.edu.au) or  
[asmvicbranch@gmail.com](mailto:asmvicbranch@gmail.com)

## **ASM National Office:**

9/397 Smith Street, Fitzroy VIC 3065  
Tel: 1300 656 423  
Fax: 1300 655 841  
Email: [admin@theasm.com.au](mailto:admin@theasm.com.au)  
Weblink: [www.theasm.org.au](http://www.theasm.org.au)  
ABN 24 065 463 274

## **Victorian Branch Committee:**

Chair: Catherine Satzke  
Email: [catherine.satzke@mcri.edu.au](mailto:catherine.satzke@mcri.edu.au)

Secretary: Sarah Baines  
Email: [bainess@unimelb.edu.au](mailto:bainess@unimelb.edu.au)

Immediate Past Chair: Karena Waller  
Email: [klwaller@unimelb.edu.au](mailto:klwaller@unimelb.edu.au)

VSP Coordinator: Lauren Zavan  
Email: [l.zavan@latrobe.edu.au](mailto:l.zavan@latrobe.edu.au)

Seema Kanade  
Email: [seema.kanade@dorevitch.com.au](mailto:seema.kanade@dorevitch.com.au)

Maria Liaskos  
Email: [M.Liaskos@latrobe.edu.au](mailto:M.Liaskos@latrobe.edu.au)

Chris Stubenrauch  
Email:  
[christopher.stubenrauch@monash.edu](mailto:christopher.stubenrauch@monash.edu)

Jake Lacey  
Email: [jake.lacey@unimelb.edu.au](mailto:jake.lacey@unimelb.edu.au)

Deputy Chair/Public Health: Mary Valcanis  
Email: [valcanis@unimelb.edu.au](mailto:valcanis@unimelb.edu.au)

Treasurer: Christine Seers  
Email: [caseers@unimelb.edu.au](mailto:caseers@unimelb.edu.au)

Communications and Marketing  
(incl. Newsletter Editor): Jacqueline Heath  
Email: [jhea@unimelb.edu.au](mailto:jhea@unimelb.edu.au)

Jaelyne Birrell  
Email: [jaelyne.birrell@gmail.com](mailto:jaelyne.birrell@gmail.com)

Steve Petrovski  
Email: [Steve.Petrovski@latrobe.edu.au](mailto:Steve.Petrovski@latrobe.edu.au)

Priscilla Johanesen  
Email: [priscilla.johanesen@monash.edu](mailto:priscilla.johanesen@monash.edu)

Louise Sonneveld

All notices should be emailed to: [jhea@unimelb.edu.au](mailto:jhea@unimelb.edu.au)



# ASM Vic Branch Committee Working Groups

The ASM Victorian Branch Committee has several 'formal' positions such as Chair, Secretary and Treasurer. Recently, we have added some informal groups into our committee structure. These Working Groups (WGs) will provide a framework to organise events and initiatives for the membership, and the broader Victorian microbiology community. We envisage that the WGs will evolve over time. Information on the current WGs is provided below.

The ASM Victorian Branch Committee continues to strive to advance the science of microbiology in Victoria and to provide value to the membership. If you are interested in any of the events or initiatives organised by a particular WG, or have a suggestion for new ways in which the committee can support the membership, please contact the WG leaders below.

## Medical Microbiology



**Members:** Seema Kanade (WG leader; *pictured left*;  
[seema.kanade@dorevitch.com.au](mailto:seema.kanade@dorevitch.com.au)), Sarah Baines, Jaelyne Birrell,  
Louise Sonneveld

**Purpose:** To engage members of the ASM Victorian Branch with expertise or an interest in clinical and academic (research) medical microbiology. At present, this WG organises a recurring event, "News from The Hospitals", that occurs twice a year (May and October). This event invites medical microbiologists to share their experiences and knowledge with the membership and the wider scientific community. "News from The Hospitals" has been a highly successful event in the Victorian Branch calendar and will continue to be run in the same format. The WG is currently planning the introduction of additional events targeted specifically at the academic (research) medical microbiology membership, in addition to possible events designed to bring both clinical and academic (research) medical microbiologists together.

## One Health



**Members:** Steve Petrovski (WG leader; *pictured left*;  
[Steve.Petrovski@latrobe.edu.au](mailto:Steve.Petrovski@latrobe.edu.au)), Jacqueline Heath, Chris Stubenrauch,  
Mary Valcanis

**Purpose:** To promote microbiology research in cross-disciplinary areas including environment, food, veterinary and human health. The WG would like to facilitate events that bring together ASM Victorian Branch members working in diverse areas of microbiology, in order to promote their research and support their professional development. The WG aims to encourage students, researchers and working microbiologists under the broad umbrella of "One Health" to engage with each other and develop a network platform for ASM members within the local community. The WG will aim to organise at least two events annually centred around current topics of interest within the discipline of microbiology. The first event will be held in the second half of 2019 and will be advertised after the ASM National Scientific Meeting in Adelaide



# ASM Vic Branch Committee Working Groups

## Regional Engagement



**Members:** Christine Seers (WG leader; *pictured left*, [caseers@unimelb.edu.au](mailto:caseers@unimelb.edu.au)), Steve Petrovski, Catherine Satzke

**Purpose:** Established to encourage and provide ASM members with assistance in the organisation of microbiology-related events, to be held in non-Melbourne metropolitan regions of Victoria. By this means the WG aims to increase opportunities for all Victorian ASM members to enjoy the benefits of ASM membership. The WG has supported the first regional event of 2019, held at Federation University Ballarat and video-linked to the Federation University Gippsland campus. This event was a public presentation by Dr David Wareham from Queen Mary University of London about “Tackling Antimicrobial Resistance: Bench to Bedside and

Back Again”. The Regional Engagement WG will be engaging with regional members, institutes, hospitals, companies and the community to support a range of events and initiatives relevant to the microbiology community.

## SEEC (Skills, Education, Engagement, Communication)



**Members:** Jacqueline Heath (WG leader; *pictured left*, [jhea@unimelb.edu.au](mailto:jhea@unimelb.edu.au)), Priscilla Johanesen, Seema Kanade, Karena Waller, Lauren Zavan.

**Purpose:** To foster the professional development and career support of student, early career and senior members of the Society, including academics, researchers and working microbiologists. Over the coming months, the WG will establish a comprehensive understanding of the professional development (skills and education) needs of the membership. The WG intends to provide seminars, workshops and resources to students, early career and senior members tailored especially for their professional development and career planning. The WG successfully ran an event in April 2019, targeting students and early career members, about “Career Pathways for Scientists”. The WG are busy workshopping ideas for more events and initiatives to be on offer in the second half of the year, with more information to follow shortly.



# Microbiologist Memoirs

## Dr Chris Stubenrauch (ASM Victorian Branch Committee)



I am an Early Career Researcher in the Lithgow Laboratory at Monash University, which is part of the Infection and Immunity Program in the Biomedicine Discovery Institute. My fascination with Microbiology started way back in high school when we were allowed to take a swab of anything in the school and attempt to incubate it on an agar plate: naturally, I chose the school canteen and boy was it disgusting... it didn't stop me from going though. I received first class Honours from Professor Julian Rood's laboratory characterising regulatory genes from conjugative plasmids of *Clostridium perfringens*.

I also received the 2017 CSL Prize as the top completing Microbiology PhD student for my work in Professor Trevor Lithgow's laboratory, where I developed a radiolabelling pulse chase assay to determine the precise mechanistic details surrounding outer membrane protein biogenesis in the model bacterium *Escherichia coli*. My current work focuses on protein folding mechanisms and antimicrobial resistance pathways. I have been a member of the Australian Society for Microbiology since 2017 and joined the Victorian Branch Committee in 2019. I'm looking forward to giving back to the microbiology community as part of the One Health Working Group.

## Louise Sonneveld (ASM Victorian Branch Committee)



I am a Medical Laboratory Scientist at The Alfred Hospital in the bacteriology lab. I have worked in microbiology for the past 5 years and have loved finding rare and interesting pathogens. I first became involved in the ASM when I nervously presented a case of Microsporidiosis at "News from the Hospitals" a few years ago, to which I won a one year membership to ASM. I'm looking forward to being a part of the ASM Victorian Branch Committee, within the Medical Microbiology Working Group, and bringing you more exciting clinical based case studies, talks and workshops.



# Microbiologist Memoirs

**Dr Jake Lacey (ASM Victorian Branch Committee)**



I work as a post-doctoral researcher for Associate Professor Steven Tong at The Doherty Institute for Infection and Immunity. The focus of my research is to understand the microbial genomics and transmission dynamics of skin pathogens *Staphylococcus* and *Streptococcus* within rural indigenous communities in the Northern Territory. I completed my PhD at Monash University and the CSIRO within the Poultry CRC, where I was introduced to microbial bioinformatics, which has now become my passion and research area of choice. I am a new member of the ASM Victorian Branch Committee and I look forward to contributing to this already amazing society.

*If you would like to be featured in “Microbiologist Memoirs”, or know a microbiologist who would or should be, please contact Jacqueline Heath ([jhea@unimelb.edu.au](mailto:jhea@unimelb.edu.au)) to get involved.*



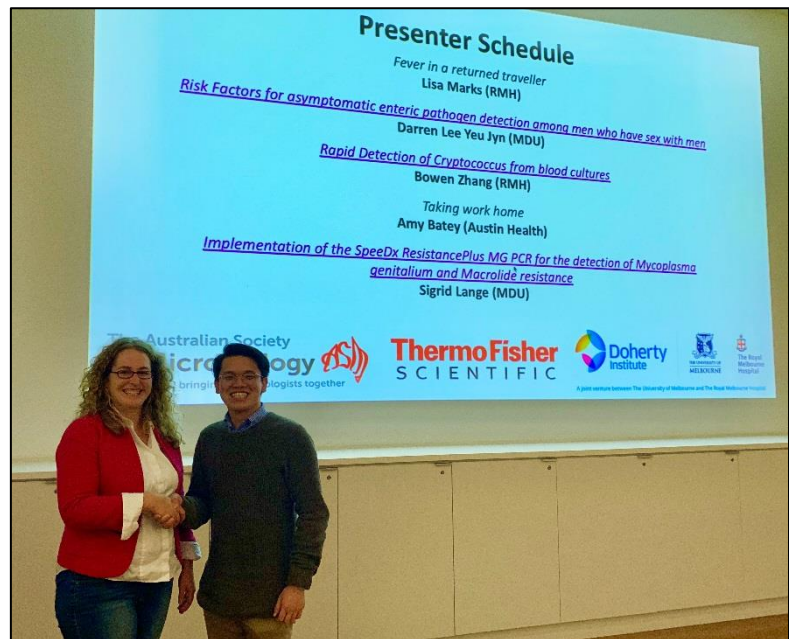
# ThermoFisher SCIENTIFIC

## News from the Hospitals Event Report 23<sup>rd</sup> May 2019

### Proudly sponsored by ThermoFisher

News from the Hospitals was presented by the Australian Society for Microbiology (ASM) Victorian Branch, held at the Peter Doherty Institute for Infection and Immunity. The evening began with the VIC Branch Annual General Meeting (AGM) conducted by Victorian Chair Catherine Satzke. The AGM was followed by five excellent presentations chaired by Dr. Susan Ballard, Principle Scientist at the Microbiological Diagnostic Unit Public Health Laboratory (MDU PHL). Speakers ranged from the Royal Melbourne Hospital, MDU PHL, and Austin Health. Presentations featured a range of fascinating case studies encountered in the medical microbiology laboratory and the research being conducted to improve diagnosis and management of infectious disease. With nearly 100 attendees, it was an enjoyable and scientifically stimulating meeting.

Congratulations to Darren Lee (MDU PHL) who was the winner of the ASM membership prize for a medical scientist up to Grade 1 Year 4 or equivalent, for his presentation on “Risk Factors for asymptomatic enteric pathogen detection among men who have sex with men”.



*Pictured: Catherine Satzke and Darren Lee*

A special thank you to Dr Ballard for chairing the event and to all the speakers for their informative talks. A warm thank you is extended to ThermoFisher for their generous sponsorship of the evening, and to the Doherty Institute for use of their lecture theatre, and to the organisers of the event.

Abstracts submitted by each of the presenters can be found on the following pages in order of appearance on the night.

Report contributed by the Medical Microbiology Working Group

**Lisa Marks (RMH)**

### **Fever in a returned traveller**

A male patient was recently transferred to The Royal Melbourne hospital intensive care unit (ICU) from Thailand with confirmed melioidosis. After multiple samples were collected over a period of time *Burkholderia pseudomallei* was isolated from a sample of prostate chips. Laboratory precautions had to be adhered to to limit risk to laboratory staff handling the samples. Melioidosis is caused by the bacteria *Burkholderia pseudomallei*. It is a small gram negative aerobic rod. It is found in the soil and water in tropical regions of northern Australia and South-east Asia. Infection is acquired through percutaneous inoculation, inhalation or ingestion of the bacterium. It is very rarely transmitted from person to person. The incubation period of *B. pseudomallei* is 1-21 days. However, the infection can be latent for up to 62 years. Pneumonia is the most common presentation of melioidosis. Other presentations include skin abscesses or ulcers, internal abscesses of the prostate, kidney, spleen and liver and neurological illnesses. Melioidosis has a mortality rate of more than 50%. Diagnosis of melioidosis can only be made by the isolation of *B. pseudomallei*. *B. pseudomallei* will grow on standard laboratory media such as horse blood agar (HBA) or MacConkey agar (MAC). Selective media such as Ashdown's media (ASA) can be used to increase the likelihood of isolating *B. pseudomallei*. *Burkholderia pseudomallei* has been identified as a potential bioterrorism agent due to it being found in nature in only certain parts of the world, its ability to cause disease that can make people very sick and possibly die.

**Darren YJ Lee (MDU PHL)**

### **Risk factors for asymptomatic enteric pathogen detection among men who have sex with men**

Over the past decade, there have been increasing reports of outbreaks of enteric pathogens largely occurring in men who have sex with men (MSM). In particular, shigellosis has emerged as a major public health concern, mainly due to the high rates of resistance to clinically relevant antimicrobials. In this study, we detected *Shigella* spp. in 1% of asymptomatic MSM attending the Melbourne Sexual Health Centre (MSHC) for routine sexually transmitted infections (STI) screening. Interestingly, anal swabs from 57/519 men (11%; 95% CI: 8.4-14.0%) also tested positive for an enteric pathogen such as *Campylobacter* spp., astrovirus, *Yersinia* spp. and Shiga-toxin-producing *E. coli* (STEC) using the Faecal Pathogen M panel (AusDiagnostics). There was no difference in the prevalence of enteric pathogen carriage between different age groups, HIV status, or PrEP and non-PrEP users. However, an association between the detection of an enteric pathogen and the behavioural factors of oro-anal sex (aOR 3.32, 95% CI 1.38-7.97) and group sex (aOR 2.00, 95% CI 1.11-3.60) was observed demonstrating a link between asymptomatic enteric pathogen carriage and specific behavioural risk factors. Our findings have significant public health implications for the prevention of gastrointestinal infections particularly in relationship to the role of asymptomatic carriage. Improved knowledge of factors that promote outbreaks of enteric pathogens among MSM could enable targeted public health interventions.

**Bowen Zhang (RMH)**

### **Rapid Detection of *Cryptococcus* from blood cultures**



**Amy Batey (Austin)**

### **Taking work home**

A 34 year old previously well man presented to ED with a 2/52 history of fevers, a dry cough and red eyes followed by 3/7 loose stools with no associated abdominal pain. He had emigrated from the Philippines 3 years earlier but had no recent overseas travel. There was a febrile contact with his 4 year old daughter with a presumed viral URTI. Investigations revealed increased LFT's and small polyps in the gall bladder but no positive results from blood/stool. The patient's symptoms began to improve and were thought to be nothing more than a resolving viral illness. He was discharged with a plan to attend ID follow up clinic with convalescent serology and to represent if unwell. As an outpatient he failed to improve and developed marked constitutional symptoms and worsening diarrhoea. He presented to the ID clinic very unwell with a distended abdomen, resting tachycardia and abdominal tenderness. Investigations showed abnormalities including markedly deranged LFT's, rhabdomyolysis and acute renal failure. Imaging by a CT abdomen and pelvis revealed ileocaecal enterocolitis and prominent retroperitoneal lymphadenopathy. Over his admission he required haemodialysis and a massive gastrointestinal haemorrhage required embolization. Further Microbiology testing was performed which revealed positive blood cultures and a positive stool result. This presentation will discuss the difficulties of the diagnosis, the origins of the patient's infection, the implications of the diagnosis, the pathophysiology of the illness and optimal management.

**Sigrid Lange (MDU PHL)**

### **Implementation of the SpeedX ResistancePlus MG PCR for the detection of *Mycoplasma genitalium* and Macrolide resistance**

*Mycoplasma genitalium* is a common sexually transmitted infection (STI) associated with prostatitis, epididymitis, and balanoposthitis in men, and cervicitis, pelvic inflammatory disease (PID), endometritis, and salpingitis in women. The Australian STI management guidelines recommend that infections known or suspected to be macrolide susceptible be treated with doxycycline 100mg twice daily for 7 days, followed immediately by azithromycin 1g stat, then 500mg daily for another three days (2.5g total). However, infections known or suspected to be macrolide resistant are treated with doxycycline 100mg twice daily for 7 days, followed immediately by moxifloxacin 400mg daily for seven days. In cases of PID caused by *Mycoplasma genitalium*, a treatment of moxifloxacin 400mg daily for 14 days is recommended. As such, the identification of macrolide-resistant and susceptible infections is crucial for administration of appropriate treatment, as well as in preventing the spread of antimicrobial resistance. The SpeedX ResistancePlus MG PCR test is an ARTG registered IVD used to detect the *Mycoplasma genitalium*-specific adhesion protein MgPa gene and azithromycin resistance-associated mutations in the 23s rRNA gene. Implementation of this test at the Microbiological Diagnostic Unit Public Health Laboratory (MDU-PHL) required validation of the QIASymphony DNA extraction platform and verification of the manufacturers test performance data to enable registration of the test as an in-house IVD and accreditation under ISO15189 by NATA. The manufacturer's acceptance criteria were able to be satisfied through the assessment of performance characteristics including specificity, sensitivity, accuracy and limit of detection; allowing the test to be successfully registered as an in-house IVD and NATA accredited.



**The ASM Victorian Branch  
in conjunction with the Doherty Institute Public Health  
Cross Cutting Discipline (CCD) present:**

# **Public Health Night**

Join us for an evening of presentations by  
Doherty Scientists and DHHS Epidemiologists

~ Speakers to be confirmed ~

- Venue:** Ground Floor Auditorium  
The Peter Doherty Institute for Infection and Immunity  
Corner Grattan and Elizabeth Streets, Melbourne
- Date:** Thursday 22<sup>nd</sup> August 2019  
6pm for finger food & refreshments, presentations commence at 6:30pm
- Chair:** Dr. Mike Catton (Director – VIDRL, Deputy Director – Doherty Institute)
- Cost:** This is a free event for ASM members (student or full members), or  
\$40 non-ASM member & \$15 student non-ASM member

**Registration:** <https://www.trybooking.com/BDDQL>

**For catering purposes, please RSVP for this event by 5pm Monday 30th July, 2018.**

For further details, please contact: **Mary Valcanis** [valcanis@unimelb.edu.au](mailto:valcanis@unimelb.edu.au) or **Sarah Baines** [bainess@unimelb.edu.au](mailto:bainess@unimelb.edu.au)

# **NEW! REGIONAL EVENT FUNDING**

To further enhance the benefits of ASM membership to all members

**ASM Vic Branch will provide funding towards microbiology focussed events to be held in REGIONAL (non-Melbourne metropolitan) areas**

**A broad range of events will be considered, such as**

- Day symposia
- Invited speakers
- News from the Hospitals
- Continuing education
- Social events (eg trivia night)
- Student nights
- Industry engagement
- Public lectures
- Community engagement, etc.

To be eligible for funding, preferably **prior** to organising an event, please complete the EOI form. In the EOI please briefly outline the planned event, the purpose/benefit to members and an approximate budget. Full details are not expected at the initial EOI stage.

If your EOI is successful we will then invite you to complete a full Regional Event Application. Funding of up to \$2500 per event will be available, dependent on the event.

The ASM Victorian Branch Committee is available to provide event organization guidance and will require events to be run in accordance with branch processes.

**FURTHER INFORMATION AND/OR AN EOI FORM CAN BE OBTAINED BY CONTACTING:**

Dr Christine Seers  
[caseers@unimelb.edu.au](mailto:caseers@unimelb.edu.au)  
Ph: 93411565

Dr Steve Petrovski  
[steve.petrovski@latrobe.edu.au](mailto:steve.petrovski@latrobe.edu.au)  
Ph: 9479 2397

A/Prof Catherine Satzke  
[catherine.satzke@mcri.edu.au](mailto:catherine.satzke@mcri.edu.au)  
Ph: 83416438

## ASM Victorian Branch

# Microbial Art Prize

Calling all artistic individuals! The 2019 Microbial Art Prize will be up for grabs mid-year. Start planning now if you want to be in to win and have your eye-catching scientific image displayed at ASM events.

### Image Details:

All types of scientific images are welcome

- Images must have a microbiological theme
- Images should be high resolution and suitable for printing on a 1x2m banner
- Images must be accompanied with a description of what the image illustrates and how it was generated

### Prize:

- The 2019 Microbial Art Prize winner will have their image printed on ASM banners to be displayed at events and used in ASM promotional material.
- Plus more!

### Competition Entry Conditions:

- Maximum 2 entries per person
- Submitter must be the owner of the image
- Submitter must be a member of ASM
- A complete entry consists of:  
(1) image, (2) a description of the image (<100 words), and (3) the submitter's details (name, position, institution)

Winners will be selected by the ASM Vic Branch committee

**Competition dates: 3<sup>rd</sup> June – 5<sup>th</sup> July 2019**

Please send all entries (and questions) to: Sarah Baines [bainess@unimelb.edu.au](mailto:bainess@unimelb.edu.au)



[www.asmmeeeting.theasm.org.au](http://www.asmmeeeting.theasm.org.au)

## KEY DATES

EARLY BIRD DEADLINE:

19 April 2019

ORAL ABSTRACT DEADLINE:

19 April 2019

POSTER ABSTRACT DEADLINE:

17 MAY 2019

30 June -  
3 July

Adelaide Convention  
Centre

[www.theasm.org.au](http://www.theasm.org.au)

The Australian Society  
for **Microbiology**  
bringing Microbiologists together



\*Registration & Abstracts open February 19th

\*Discounted rates for ASM members!

\*Limited discounts available for Students & ECR's

\*Wednesday workshops on offer!

## PLENARY SPEAKERS

Dr Karen Carroll

A/Prof Noah Fierer

Prof Sarah Gurr

Dr Alan Landay

Prof Miguel Viveiros

## RUBBO ORATION

A/Prof Tilman Ruff

## SNOWDON ORATION

Dr Marnie Peterson

## Registration is NOW OPEN

**When:** Wednesday 3 July 2019 (from 2.30pm) AND Thursday 4 July 2019 (from 8.30am – 4.30pm)

**Venue:** Health Sciences Building, University of South Australia, North Terrace, Adelaide SA

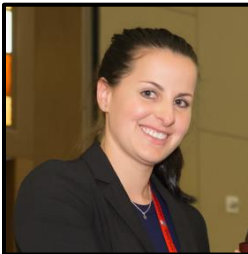
**Speakers:**



**Assoc Prof Wilhelmina (Willa) Huston,**  
**University of Technology Sydney**  
*Student-Professional-Academic Co-creation of collaborative and active learning approaches in the new UTS PC2 Superlab*



**Dr Helena Ward and Prof Ray Peterson,**  
**University of Adelaide**  
*Scholarship of Teaching and Learning: Why it matters and how you can engage in it*



**Dr Nicolene Lottering,** Swinburne University of Technology  
*Re-inventing learning for the digital generation: A students-as-partners approach to maximise student engagement*



**Dr Prue Bramwell,** RMIT University  
ASM David White Excellence in Teaching – 2018 Award Winner  
*Group Work – perspectives on the student experience and assessment*



**Mr Adam Montagu,** University of Adelaide  
*Simulation under the microscope*



**Dr Karina Riggs,** University of Adelaide  
*'Flipping the Microbiology Lab'- A case study into Flipped Classroom design for improving student engagement*



**Dr Rebecca LeBard,** University of New South Wales  
*How do we measure good teaching?*

**EduCon 2019 is proudly sponsored by:**



### **EduCon Program**

Please see attached for the full conference program. The program also includes opportunities to:

- Tour the state-of-the-art Adelaide Health Simulation Unit's teaching facilities for the medical sciences
- Visit the MOD., a futuristic museum (<https://mod.org.au/>) located on the ground floor of the UniSA building hosting our conference. Coincidentally, the exhibit during our conference, *HEDONISM*, explores how we might design for a sustainable pleasure, and includes a digital game aiming to diversify your gut microbiome (and keep it healthy)!

### **Would you like to present a poster at EduCon?**

A poster session will be held during lunch on Thursday 4 July 2019. If you would like to present your Educational Research / Scholarship of Teaching and Learning (SoTL) findings at EduCon during this session, please contact Assoc Prof Karena Waller ([klwaller@unimelb.edu.au](mailto:klwaller@unimelb.edu.au)) for abstract submission and application instructions.

**Poster abstract submissions close: 5pm Friday 7 June 2019.**

### **EduCon 2019 Dinner:**

This year's EduCon Conference Dinner will be a 3-course meal (set menu) at a lively local gastro pub, commencing at 7.00pm on the evening of Wednesday 3 July 2019, at:

- Union Hotel, 70 Waymouth Street, Adelaide SA 5000

Each dinner ticket costs \$56. Dinner tickets, including extra ones for partners, are to be pre-purchased at the time of registration.

### **Conference Registration:**

Registration is required for all attendees, and is inclusive of all morning and afternoon teas, and lunch on Thursday 4 July 2019.

- ASM Members - \$125
- Non-ASM Members - \$175
- Student ASM Members - \$75
- Student Non-ASM Members - \$125

Please note: the cost of registration does not include attendance at the EduCon 2019 Conference Dinner – tickets to the Dinner are to be purchased separately at the time of registration.

**Register to attend and purchase your dinner tickets at: <https://www.trybooking.com/BAUNP>**

**Registration will CLOSE – 5pm Wednesday 19 June 2019**

**For all enquiries:** please contact Assoc Prof Karena Waller ([klwaller@unimelb.edu.au](mailto:klwaller@unimelb.edu.au))

**Full Conference program over page....**

## Wednesday 3 July 2019

2.30 – 3.00pm	<b>Registration and Welcome</b> <b>Venue:</b> Rooms HB8-17 & HB8-18 Level 8, Health Innovation Building, University of South Australia, City West campus, North Terrace, Adelaide <b>Chair:</b> Assoc Prof Karena Waller, University of Melbourne Light refreshments on arrival
3.00pm – 4.00pm	<b>Session 1: <i>Group Work – perspectives on the student experience and assessment</i></b> <b>Presenter:</b> Dr Prue Bramwell, RMIT University ASM David White Excellence in Teaching – 2018 Award Winner <b>Chair:</b> Dr Megan Lloyd, Edith Cowan University
4.10pm – 5.00pm	<b>Session 2: <i>Simulation under the microscope</i></b> (in the neighbouring University of Adelaide Building) <b>Presenter:</b> Adam Montagu, Director, Adelaide Health Simulation, University of Adelaide <b>Chair:</b> Dr Helena Ward, University of Adelaide
5.00pm – 6.00pm	<b>Session 3: <i>Tour of Adelaide Health Simulation, Adelaide Health and Medical Sciences Building.</i></b> <b>Tour Leader:</b> Adam Montagu, Director, Adelaide Health Simulation, University of Adelaide
7.00pm – 9.00pm	<b>EduCon Dinner: tickets to be purchased separately at time of conference registration</b> <b>Venue:</b> Union Hotel, 70 Waymouth Street, Adelaide SA 5000

## Thursday 4 July 2019

8.30am – 9.00am	<b>Venue:</b> Rooms HB8-17 & HB8-18 Level 8, Health Innovation Building, University of South Australia, City West campus, North Terrace, Adelaide Light refreshments on arrival
9.00am – 10.00am	<b>Session 4: <i>Scholarship of Teaching and Learning: Why it matters and how you can engage in it</i></b> <b>Presenter:</b> Dr Helena Ward and Prof Ray Peterson, University of Adelaide <b>Chair:</b> Assoc Prof Karena Waller, University of Melbourne
10.00am – 11.00am	<b>Session 5: <i>Re-inventing learning for the digital generation: A students-as-partners approach to maximise student engagement</i></b> <b>Presenter:</b> Dr Nicolene Lottering, Swinburne University of Technology <b>Chair:</b> Assoc Prof Karena Waller, University of Melbourne
11.00am – 11.30am	<b>Morning Tea</b>
11.30am – 12.30pm	<b>Session 6: <i>Student-Professional-Academic Co-creation of collaborative and active learning approaches in the new UTS PC2 Superlab</i></b> <b>Presenter:</b> Assoc Prof Wilhelmina (Willa) Huston, University of Technology Sydney <b>Chair:</b> Assoc Prof Priscilla Johanesen, Monash University
12.30pm – 1.30pm	<b>Session 7: <i>How do we measure good teaching?</i></b> <b>Presenter:</b> Dr Rebecca LeBard, University of New South Wales <b>Chair:</b> Assoc Prof Priscilla Johanesen, Monash University
1.30pm – 2.30pm	<b>Lunch and Posters</b>
2.30pm – 3.00pm	<b>Opportunity: Visit the Museum of Discovery (MOD), Ground floor, Health Sciences Building</b>
3.00pm – 4.00pm	<b>Session 8: <i>'Flipping the Microbiology Lab' - A case study into Flipped Classroom design for improving student engagement</i></b> <b>Presenter:</b> Dr Karina Riggs, University of Adelaide <b>Chair:</b> Dr Rebecca LeBard, University of New South Wales
4.00pm – 4.30pm	<b>Close and Afternoon Tea</b> Light refreshments before departure



# Visiting Speakers Program

Do you know of an outstanding speaker coming to Australia?

If so, consider them for the Visiting Speakers Program (VSP).

Further information about the VSP and the speaker recommendation form can be found at:

<http://www.theasm.org.au/events/visiting-speakers-program/>

Alternatively, contact Lauren Zavan ([l.zavan@latrobe.edu.au](mailto:l.zavan@latrobe.edu.au)),

who is the VSP Coordinator for the ASM VIC Branch.

## Attention Microbiologists!

### Are you organising a microbiology-focussed event?

The main objective of the Australian Society for Microbiology is to advance the science of microbiology in Australia. The ASM Victorian Branch is keen to support local initiatives, with the potential to advertise or co-organise events. If you are organising a microbiology-focussed event or have an idea for a type of event that would appeal to the broader microbiology, please contact us to discuss the ASM Vic Branch may be able to assist.

Please contact Catherine Satzke ([catherine.satzke@mcri.edu.au](mailto:catherine.satzke@mcri.edu.au)) for more information

# ASM Member Awards Apply Now

The ASM offers a variety of awards to its members. Take full advantage of your membership by applying now for one of the awards listed below with deadlines approaching. For more details and additional awards please refer to the National webpage <http://www.theasm.org.au/awards/>

The deadlines for all award applications are now **March 31<sup>st</sup>** of each year.

## Teaching and Learning

- ASM David White Excellence in Teaching Award - <http://www.theasm.org.au/awards/asm-david-white-excellence-in-teaching-award/>
- ASM Teachers' Travel Award - <http://www.theasm.org.au/awards/asm-teachers-travel-award/>

## Diagnostic and Clinical Microbiology

- ASM Lyn Gilbert Award - <http://www.theasm.org.au/awards/asm-lyn-gilbert-award/>
- ASM Clinical Microbiology Travel Award - <http://www.theasm.org.au/awards/asm-clinical-microbiology-travel-award/>

## Research

- ASM Frank Fenner Award - <http://www.theasm.org.au/awards/asm-frank-fenner-award/>
- ASM Jim Pittard Early Career Award - <http://www.theasm.org.au/awards/asm-jim-pittard-early-career-award/>

## Post-graduate and Student Awards

- Millis-Colwell Postgraduate Research Travel Award - <http://www.theasm.org.au/awards/millis-colwell-postgraduate-award/>
- NZMS Postgraduate Research Travel Award - <http://www.theasm.org.au/awards/nzms-postgraduate-research-travel-awardnew-page/>

## Contribution and Service

- ASM Distinguished Service Award - <http://www.theasm.org.au/awards/distinguished-service-award/>
- ASM Honorary Life Membership Award - <http://www.theasm.org.au/awards/asm-honorary-life-membership/>



# ASM History SIG

## ASM Memorabilia

If any ASM members have significant ASM memorabilia that they would like to donate to the ASM archives or would like to suggest topics suitable for possible symposia at future ASM Annual Scientific Meetings, please send details of the memorabilia or suggested symposia topics to:

History SIG convener  
c/o Australian Society for Microbiology Office  
9/397 Smith Street  
Fitzroy VIC 3068

## How to join the Australian Society for Microbiology at a reduced rate!

Did you know that non-members can join the Australian Society for Microbiology at a reduced rate? Well, you can!

As a non-member, by paying the fee to attend an event hosted by ASM VIC Branch, you can use this amount to put towards an annual membership of the Australian Society for Microbiology.

To do so, please follow these instructions:

1. Register to attend the event hosted by ASM VIC Branch via the advertised trybooking link, and pay the attendance fee.
2. Attend the event, and then within 2 weeks after the event, go to the ASM membership area at <http://www.theasm.org.au/membership/>
3. Choose the appropriate membership for you and then click on:  
[Click here to join or update your details](#)
4. Click 'Begin here' and create a Currinda membership profile for yourself. Then, pay the membership full fee.
5. Following payment, download the paid receipt (showing your payment) and email it along with your postal address to:  
Christine Seers, Treasurer VIC Branch [caseers@unimelb.edu.au](mailto:caseers@unimelb.edu.au)
6. A cheque refunding the event fee will be posted to you.

**Please note:** you must complete the above process within 2 weeks following an event to take advantage of this offer. After this time, the event fee cannot be used to pay membership fees.

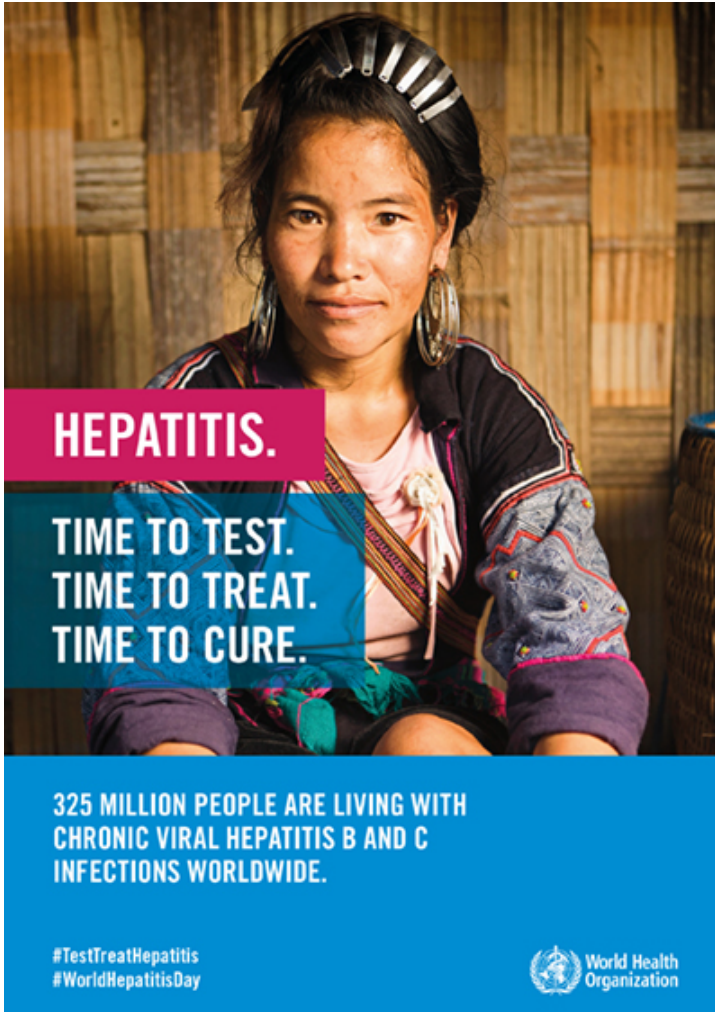
# MICRO NEWS and VIEWS

- Norovirus close-ups might help fight stomach flu  
<https://www.sciencenews.org/article/closeups-norovirus-strains-varying-sizes-help-fight-stomach-flu>
- Many of the world's rivers are flush with dangerous levels of antibiotics  
<https://www.sciencenews.org/article/world-rivers-dangerous-levels-antibiotics>
- Antibiotic resistance in spore-forming probiotic bacteria  
<https://www.sciencedaily.com/releases/2019/06/190621144242.htm>
- Gut bacteria may change the way many drugs work in the body  
<https://www.sciencenews.org/article/gut-bacteria-may-change-way-many-drugs-work-body>
- How bacteria nearly killed by antibiotics can recover — and gain resistance  
<https://www.sciencenews.org/article/bacteria-nearly-killed-antibiotics-recover-gain-resistance>
- Dissemination of pathogenic bacteria by university student's cell phones  
<https://www.sciencedaily.com/releases/2019/06/190621144216.htm>
- Vaccines may help bats fight white nose syndrome  
<https://www.sciencenews.org/article/vaccines-may-help-bats-fight-white-nose-syndrome>
- A belly full of wriggling worms makes wood beetles better recyclers  
<https://www.sciencenews.org/article/belly-full-wriggling-worms-makes-wood-beetles-better-recyclers>
- Rotavirus vaccines may lower kids' chances of getting type 1 diabetes  
<https://www.sciencenews.org/article/rotavirus-vaccine-kids-type-1-diabetes>
- Combination of drugs may combat deadly drug-resistant fungus  
<https://www.sciencedaily.com/releases/2019/06/190621154915.htm>
- A tiny crater on viruses behind the common cold may be their Achilles' heel  
<https://www.sciencenews.org/article/common-cold-viruses-may-new-weak-point-shell>
- Measles erases the immune system's memory  
<https://www.sciencenews.org/article/measles-immune-system-memory-infection>
- Stochastic model to explain microbiome composition  
<https://www.sciencedaily.com/releases/2019/06/190620104905.htm>

# MICRO NEWS and VIEWS

- Some fungi trade phosphorus with plants like savvy stockbrokers  
<https://www.sciencenews.org/article/some-fungi-trade-phosphorus-plants-savvy-stockbrokers>
- A fungus weaponized with a spider toxin can kill malaria mosquitoes  
<https://www.sciencenews.org/article/fungus-weaponized-spider-toxin-can-kill-malaria-mosquitoes>
- Skin bacteria could save frogs from virus  
<https://www.sciencedaily.com/releases/2019/06/190621220744.htm>
- New species of rock-eating shipworm identified in freshwater river in the Philippines  
<https://www.sciencedaily.com/releases/2019/06/190619142551.htm>

## World Hepatitis Day 28th July 2019




**HEPATITIS.**

**TIME TO TEST.  
TIME TO TREAT.  
TIME TO CURE.**

325 MILLION PEOPLE ARE LIVING WITH CHRONIC VIRAL HEPATITIS B AND C INFECTIONS WORLDWIDE.

#TestTreatHepatitis  
#WorldHepatitisDay

 World Health Organization

# **Advertise in the ASM VIC Branch Newsletter!**

Would you like to advertise your event, job vacancy or other news item in our newsletter?

Advertising rates are:

Not-for-profit adverts: free of charge

For-profit adverts: \$50 per advert

If so, please contact Catherine Satzke  
([catherine.satzke@mcri.edu.au](mailto:catherine.satzke@mcri.edu.au))

# Doherty Institute Seminar Series

Thursday, 4 July | 12.00pm | Auditorium



## *“Ageing and the immune system – a dangerous liaison”*

**Prof Alan Landay, Department of Internal Medicine, Rush University, Chicago**

**The immune system has been shown to be significantly impacted during the ageing process.** There is the expansion of senescent cells from both the innate and adaptive arms of the immune system as well as shortening of telomeres. As the host ages there is an increase in production of inflammatory cytokines that has been termed “inflammaging”.

The drivers of this inflammatory process have been shown to be due to changes in the host microbiome leading to alterations in gut integrity and release of microbial translocation products into the systemic circulation. The results of these immune changes have been linked to the development of non communicable diseases especially cardiovascular disease and alterations in vaccine responses in older individuals. There are now new classes of therapies known as senolytics that can be used to improve the functional declines of ageing. Alan Landay is Professor of Internal Medicine at Rush University in Chicago.

Prof Landay's visit to Australia has been made possible through the kind assistance provided by the Australian Society for Microbiology (ASM)

**The Peter Doherty Institute for Infection and Immunity**

**792 Elizabeth St, Melbourne VIC 3000**

# ASM VIC CALENDAR 2019

When planning meetings, please book dates with Catherine Satzke  
(Email: [catherine.satzke@mcri.edu.au](mailto:catherine.satzke@mcri.edu.au))

- ASM Annual Scientific Meeting 2019 – 30<sup>th</sup> June – 3<sup>rd</sup> July 2019, Adelaide SA
- ASM EduCon Meeting 2019 – 3<sup>rd</sup> – 4<sup>th</sup> July 2019, Adelaide SA
- Doherty Institute Seminar – Prof Alan Landay – Aging and the Immune System – 4<sup>th</sup> July 2019, Melbourne VIC
- ASM Vic Branch – Public Health Night – 22<sup>nd</sup> August 2019, Melbourne VIC



**Submission Deadline for July  
ASM Victorian News:  
July 4<sup>th</sup> 2019**

Email submissions to: [jhea@unimelb.edu.au](mailto:jhea@unimelb.edu.au)