

Victorian News

The Australian Society for Microbiology VIC Branch Newsletter April 2021, Vol 537



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2020-2021 Calendar

Event	Date
Nancy Millis Student Awards 2021	23 rd March, 2021
ASM2021	31 st May – 3 rd June, 2021
MEEM	29 th April, 2021
BACPATH2021	27 th September, 2021
ASM HOUR	^{4th} May 2021

Events

Event Report: 2021 Nancy Millis Student Awards Night

The annual ASM Nancy Millis Student Awards were held on Tuesday 23rd March 2021. This year, things were a little different. From the comfort of their own couch, ~75 microbiologists from around Victoria tuned into the event online via zoom. The evening was hosted by our VIC branch chair, Assoc. Prof. Catherine Satzke (Murdoch Children's Research Institute).

The evening commenced with two presentations from research students competing for the ASM VIC Branch Award (for Honours and Masters by Coursework students). Beau Patrick (La Trobe University) and Damian Hughes (La Trobe University) were competing for this prize. Following deliberations by the judges, the ASM VIC Branch Award was awarded to Beau Patrick (pictured below) for his presentation "Network Phylogeny: Serratia Phages in a Sea of Sequences". As the ASM VIC Branch Award winner, Beau will receive a prize consisting of registration at the Annual Meeting in Melbourne (May/June 2021).

Six speakers, Natalia Rosas Bastidas (Monash University), Cheryll Sia (The University of Melbourne), William Gilmore (La Trobe University), Manasa Bharathwaj (Monash University), Mwila Kabwe (La Trobe University) and Yi Nong (The University of Melbourne) competed for the prestigious ASM Nancy Millis Student Award, and a prize consisting of registration (and an oral presentation) at the ASM Annual Meeting in Melbourne. Following the judges deliberation, the winner of this prize was Cheryll Sia (pictured below), who presented "Population genomics of emerging resistance in Salmonella Dublin". For the first time, we also held a special People's Choice award. The audience voted William Gilmore's presentation (pictured below) "Differential activation of innate immune receptors by Bacteroides fragilis bacteria and their secreted outer membrane vesicles (OMVs)" the best presentation of the night. As part of his award, William will receive a year's membership to the ASM.

The evening was wrapped up with presentations from the recipients of this year's ASM VIC Branch Summer Student Research Awards. Jacinta Agius (La Trobe University), Cecil Wheeler (Federation University), Taylah James (The University of Melbourne) and Sameer Khan (Hudson Institute) each delivered short presentations summarising their research experience project and findings.

Congratulations to all students who competed for prizes on the night – their research presentations were outstanding!

Contributed by: Sam Manna



"I'd like to thank the members of the Petrovski Lab for their support and the ASM for the opportunity to present on the night. It was great to hear from so many people that are passionate about microbiology, and it was an honour to be selected for the ASM Vic Branch Award."

Beau Patrick, ASM VIC Branch Award winner



"I am incredibly grateful and honoured to have been awarded the 2021 ASM Nancy Millis Student Award for the ASM Victoria branch – it's a monumental milestone achievement for me, my PhD and scientific career. Behind this award are people who deserve

recognition — my supervisors Prof. Deborah Williamson, Prof. Ben Howden and Dr. Danielle Ingle, my friends and colleagues from the Williamson laboratory, Mary Valcanis and the Enteric Group at MDU PHL — as well as the ASM committee for organising this event. Microbiology has always been the most interesting field of science for me in that it branches into multiple disciplines that all collectively study living microorganisms — so, microbiologists can be the same but different. But what brings all microbiologists together here in Australia are organisations like ASM — so thank you again for making me the Victorian recipient of this award this year."

Cheryll Sia, Nancy Millis Award winner



"Presenting at the ASM Nancy Millis Student Awards Night was a highlight of my PhD to date and a fantastic experience to present in front of my peers as well as exerts in the field. I am very proud to have been awarded the People's Choice Award and inspired to continue towards a career in Microbiology. I'd like to thank the ASM for giving me the opportunity as well as my supervisors and our awesome lab group for supporting me!"

William Gilmore, People's Choice winner

ASM2021: Annual Scientific Meeting 31st May – 3rd June 2021

We are delighted to announce that ASM 2021 will be a hybrid meeting, running both face to face and online from 31 May – 3 June 2021.

For those attending in person, we look forward to seeing you at the Melbourne Convention and Exhibition Centre for what will be a truly unique and memorable ASM.

If you are unable to attend in person, we look forward to connecting with you online and providing an engaging virtual experience! ASM 2021's program will allow in person attendees and virtual attendees to present their work as orals or posters.

The Organising Committee have invested heavily in virtual software that allows remote attendees to interact and meaningfully engage with the conference through live chat functions (on both the plenary live streams and e-Poster presentations) and networking opportunities with peers and sponsors (live chat and video calls).

When: 31st May – June 3rd 2021

Where: Melbourne Convention & Exhibition Centre

and Online

Key Dates:

- 9th April, 2021 Early Bird Registration Deadline
- 9th April, 2021 Oral Submission Deadline
- 12th April, 2021 Poster Submission Deadline

For more information see the ASM2021 website: https://www.theasmmeeting.org.au/



MEEM: Microbial Ecology and Environmental Microbiology Symposium 29th April 2021

The Microbial Ecology and Environmental Microbiology (MEEM) in Victoria Symposium is coming up at the end of the month. This symposium is designed to promote communication/collaboration for those interested in microbial ecology, environmental microbiology, evolutionary microbiology and related disciplines.

This is a free event with a fantastic line up of speakers (see attached the timetable/flyer for more information) so don't forget to register!

Date: Thursday 29th April 2021, 2:00-5:00 pm AEST **Venue**: Zoom/Online (a link will be sent to registered participant upon booking and one day prior)

Cost: Free

Registration: https://www.trybooking.com/BPRUW



What: Microbial Ecology-Environmental Microbiology (MEEM) in Victoria (3 ECR speakers, 3 PhD speakers; post meeting drinks and trivia)

When: Thursday 29th April, 2021 from 2:00-5:00 pm

Where: Online via Zoom



Why: Promote communication/collaboration for those interested in microbial ecology, environmental microbiology, evolutionary microbiology, and related disciplines

RSVP: Try Booking Link: https://www.trybooking.com/BPRUW

Cost: nil

Follow us on social media using the hashtag: #MEEM2021

Virtual BacPath2021 27th September 2021

Due to the current and on-going situation with Covid19, the BacPath2021 organising committee have decided to postpone this year's conference, to be held in QLD, until 2022. We currently envisage that we will hold the conference at the usual time (last week in September 2022), with final dates subject to venue availability and our ability to book.

We are hoping that by then things will be back to normal, and we can enjoy a full in person conference. We will provide updates on this as things progress, and hope you appreciate that this was not an easy decision. In lieu of this decision, the organising committee have decided to organise a short, online 'mini' conference.

This virtual BacPath2021 will be aimed at final year PhD students and early career post docs (https://www.trybooking.com/BPPZW), and abstracts should be sent directly to John Atack (i.atack@griffith.edu.au). We plan to select abstracts for short (10 min) talks only, with 8-10 talks planned for.

Virtual BacPath 2021

Monday 27th Sept

9.30-12.30 pm ACST 8-11 am AWST

Submit an abstract if you are a final year PhD student or early career (<5yrs) post-doc

Keynote speakers



Catherine Satzke
Murdoch Children's Research Institute,
Melbourne

Tim Barnett
Telethon Kids Institute,

Synergism and antagonism of bacterial-viral co-infection in the upper respiratory tract

Host-dependent resistance to antifolate antibiotics

Registration for Zoom seminar is essential

https://www.trybooking.com/BPPZW

Free for ASM Members \$5 donation for Non-ASM Members

Registrations close 8am (AEST) Sept 27th

Submit abstracts direct to j.atack@griffith.edu.au by 5pm (AEST) Aug 27th



ASM Hour

Tuesday 4th May at 12:00pm (AEST)

Don't forget to register for this coming ASM hour to see these amazing presentations from world leaders in microbial pathogenesis and resistance



The Australian Society

for Microbiology

Tues - 4th May

12.00 pm - VIC, NSW, QLD, ACT, TAS **11.30 am** - SA, NT **10.00 am** - WA

Microbial pathogenesis and resistance

Chair Mark Schembri - University of Queensland	12.00
Metabolic control of fungal pathogen-host interactions Ana Traven - Monash University	12.05
The flavivirus NS1 protein is a target for broad-spectrum protective antibodies Daniel Watterson - University of Queensland	12.20
Defining the physiological substrates of bacterial multidrug efflux pumps Karl Hassan - University of Newcastle	12.35
Q & A	12.50

 $Registration \ for \ Zoom \ seminar \ is \ essential$

https://www.trybooking.com/BNBHY

Free for ASM Members \$5 donation for Non-ASM Members Registrations close 9am AEST 4th May

For enquires contact: admin@theasm.com.au

Day of Immunology – The Science behind vaccination – Public Lecture

30th April 2021 at 5.30 pm to 7.30pm

Join the Australian and New Zealand Society of Immunology (ASI) in celebrating international Day of Immunology 2021. In both Australia and New Zealand COVID-19 vaccines are being rolled out. Have you received your first dose or are you still deciding on whether to get vaccinated? Are you wondering how vaccines work? and how they are developed? This free public webinar is a great opportunity to have your questions answered and access accurate scientific information on COVID-19 vaccines and how vaccines work in general.

Registration essential at

https://www.eventbrite.com.au/e/day-of-immunology-2021-virtual-public-lecture-covid-19-vaccines-tickets-149504462873.

Upcoming VIC Branch Events in 2021

We have a wide variety of ASM Vic Branch events being planned throughout the year including:

- Student/Early Career Mentoring
- Student focused events
- Trivia Night
- Microbial Art Prize
- Microbial Bioinformatics Workshop
- Agriculture and Veterinary Symposium
- Food Microbiology
- Regional Events

These will be a mix of online and in person events, so stay tuned for emails and future announcements and don't forget to renew your ASM membership.

News and Views

Renew and Update your ASM Membership

The main objective of the Australian Society for Microbiology (ASM) is to advance the science of microbiology in Australia.

The society does this through the production and promotion of reading material, lectures, seminars, symposia and demonstrations on topics relevant to microbiology, as well as establishing and maintaining suitable standards for the practice of microbiology as a profession.

The ASM also promotes the awareness of microbiology and its role in everyday life, and actively liaises with governments and other professional bodies at both State and Federal levels in support of its members and the profession.

It's that time of year when your membership is due for renewal. Don't forget to update your details so you don't miss out on all the members benefits including:

- Reduced conference registration,
- Free entry to many of our Victorian branch events
- Access to the new online community
- Professional development opportunities
- Eligibility for many ASM awards

Don't forget to recommend your friends and colleagues to join us.

If you have finished your PhD and have been working for the last two years in the field of microbiology you should consider applying for a professional membership MASM.

Professional membership eligibility criteria:

- Completed an academic qualification in microbiology at degree level or alternative qualifications acceptable to the Council; and
- Have satisfactorily completed two years of postgraduate work to advance the discipline of microbiology.

If you meet these criteria, all you need to do it obtain a declaration form a referee who is a MASM or FASM finical member of the society, your curriculum vitae and academic record/copy of degree and submit online

For more information see.

https://www.theasm.org.au/professional-membershipmasm

If you have 10 years or more experience in the field of microbiology and are a ASM MASM you should consider applying to become a Fellow of the Australian Society of Microbiology (FASM)

Fellows of the Society are those microbiologists who, through a process of peer assessment, are determined to be either specialists in their field, or scientists who have made a significant contribution to the profession.

Fellowship is the higher qualification of the ASM which is granted by the Council on the recommendation of the National Examinations & Qualifications Board.

Fellowship eligibility criteria:

- A financial MASM member of ASM at the time of applying for the fellowship.
- At least 10 years' experience in the field of microbiology.

Required Supporting Documents:

- Curriculum Vitae, including details of your tertiary and other relevant qualifications, a list of your major publications.
- Completion of a FASM Referee Declaration (form downloadable below).

Further details can be found on the ASM National Website

https://www.theasm.org.au/fellowship-fasm-1

The ASM online community



We are excited to launch the ASM online community to members. A space where you can communicate to individuals or your special interest groups, share branch events, post announcements such as employment opportunities and scholarships, or request protocols and strains.

Now you don't have to wait for the next meet-up to connect with other members.

Please log in, explore, set up your profile and introduce yourself in one of our forums.

To login:

- Go to: https://community.theasm.org.au/
- Click the "Sign in" button located at the top right corner.
- The first time you login you will need to set up your password. Click the "Can't access your account?" link.
- Enter the email address on file with ASM and then click the "Send Password Link" button.
- Check your email for the link to set up your password.

Infection and Immunity Podcast - Evidence Explained

The Peter Doherty Institute of infection and immunity has started a new podcast.

The first season is all about COVID-19 – the virus, variants and vaccines. The Doherty Institute is at the clinical, research and public health forefront of the global COVID-19 response.

In the podcast they talk to experts and collaborators each fortnight to discuss the latest scientific and public health evidence around the pandemic.

You can find and subscribe to the podcast on your favourite app.

ECR call for expressions of interest for Microbiology Australia

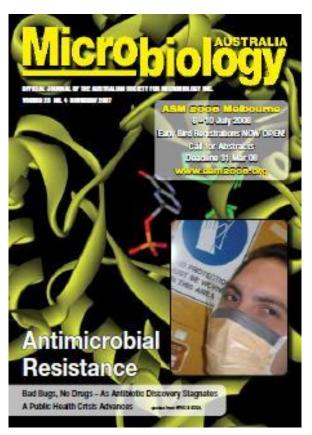
Early career (less than 5 years post-graduation) and student researchers who would like their area of research to be featured in Microbiology Australia are invited to contribute a proposal of their articles.

The Editorial Board will select up to 10 articles for invited submissions. Articles will be peer-reviewed and feature in the third issue of 2021 for publication in September.

As a guide, the article should be up to 1500 words, be targeted to the wider community of Australian microbiologists, and should describe the author's original research. Articles will go through the normal process of peer review and editing.

Please send Expressions of Interest (EOI) to editorasm@gmail.com before July 2021 and include a suggested title, name of the contributor, and contact details, (name of supervisor for students and a brief CV listing graduation year for early career researchers), and a brief abstract of fewer than 200 words.

All contributors must be members of the Australian Society for Microbiology.



Information on AstraZeneca Vaccine in response to new vaccine safety concerns

COVID-19 Immunisation Program COVIDvaccinaton@ddhs.vic.gov.ai

As you may already be aware, there has been an update to the advice on the use of the AstraZeneca COVID-19 vaccine. This advice was provided by the Australian Technical Advisory Group of Immunisation (ATAGI). ATAGI is a group of medical and technical experts who advise the Commonwealth Minister for Health on the medical administration of vaccines in Australia, including COVID-19 vaccines.

There is evidence of rare but serious side effect involving thrombosis (blood clotting) after people receive their first dose of AstraZeneca vaccine.

The risk of developing this side-effect following receipt of the AstraZeneca vaccine is extremely rare.

The new age-based recommendations are made out of an abundance of caution and the benefits of the COVID-19 AstraZeneca vaccination outweigh the risks for the vast majority of people.

As a result of this evidence the Australian Technical Advisory Group of Immunisation (ATAGI) on 8 April 2021 provided the following recommendations regarding the Australian vaccination rollout:

The Pfizer COVID-19 vaccine is preferred over AstraZeneca COVID-19 vaccine in adults aged under 50 years who have not already received a first dose of AstraZeneca vaccine.

This advice is based both on the increased risk of complications from COVID-19 with increasing age (and thus increased benefit of vaccination), and the potentially lower, but not zero, risk of blood clotting (thrombosis with thrombocytopenia syndrome) with increasing age.

People who are under 50 years and are currently booked to receive their first dose of the AstraZeneca COVID-19 vaccine should contact their provider and reschedule their appointment.

AstraZeneca COVID-19 vaccine can be used in adults aged under 50 years where the benefits are likely to outweigh the risks for that individual and the person has made an informed decision based on an understanding of the risks and benefits. You should discuss your benefit-to-risk balance with your doctor.

People who have had their first dose of COVID-19 Vaccine AstraZeneca without any serious adverse effects can be given their second dose. This includes adults under 50 years of age. People who have had blood clots associated with low platelet levels after their first dose of COVID-19 Vaccine AstraZeneca should not be given their second dose.

The Commonwealth Department of Health will develop resources and provide more information about the benefits and risks of AstraZeneca vaccine.

The ATAGI advice has significant implications for the Victorian rollout of the Australian Government's COVID-19 vaccination program, which will need to be

worked through over the coming weeks. In the interim, state COVID-19 vaccination services will provide:

- 1. Access to Pfizer COVID-19 vaccine for eligible adults aged under 50 years who are part of a priority groups identified Commonwealth prioritisation framework (eligible Phase 1a and 1b).
- 2. Access to the AstraZeneca COVID-19 for eligible adults aged under 50 years requiring a second dose or eligible adults over 50 years requiring a first dose.

The Victorian Government will continue to work closely with the Australian Government on the COVID-19 vaccine rollout. State COVID-19 vaccination service capacity is dependent on the supply of Pfizer COVID-19 vaccine and AstraZeneca COVID-19 vaccine.

Please see the attached communique and FAQs. As more information and resources are developed by the Commonwealth Department of Health we will share these with you. Victorians who have any questions about their health or about AstraZeneca should speak to their doctor.

Contact and Society Details

Vic Branch Committee

Chair: Catherine Satzke

(catherine.satzke@mcri.edu.au)

Deputy Chair/Public Health: Mary Valcanis

(valcanis@unimelb.edu.au)

Secretary: Sarah Baines (bainess@unimelb.edu.au)

Treasurer: Chris Stubenrauch

(christopher.stubenrauch@monash.edu) Immediate Past Chair: Karena Waller

(klwaller@unimelb.edu.au)

VSP Coordinator: Lauren Zavan
(l.zavan@latrobe.edu.au)

Communications and Marketing (incl. Newsletter Editor): Jake Lacey (jake.lacey@unimelb.edu.au),

Louise Miles, (lo.miles@alfred.org.au)

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One Health: <u>Steve Petrovski</u>, Jacqueline Heath, Jake Lacey, Chris Stubenrauch, Mary Valcanis. Medical Microbiology: <u>Seema Kanade</u>, Sarah

Baines, Maria Liaskos, Jake Lacey

Regional Engagement: Andrew Greenhill, Catherine

Satzke, Steve Petrovski

Skills, Education, Engagement and

Communications: <u>Jacqueline Heath</u>, Priscilla Johanesen, Karena Waller, Seema Kanade, Lauren Zavan, Harshini Weerasinghe, Sam Manna.

Submissions: Deadlines for ASM Victorian News is the 5th of the Month. All notices should be emailed to Jake Lacey (jake.lacey@unimelb.edu.au),

Find us on:

Website: http://victoria.theasm.org.au/

Twitter: @ASM_VicBranch

Facebook: The Australian Society for Microbiology

(ASM) - Victorian Branch





Becoming a Member: 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:

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

<u>Please note</u> 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.

Upgrade to a professional membership (MASM): to be eligible for MASM, you must have: Completed an academic qualification in microbiology at degree level or alternative qualifications acceptable to the Council; and have satisfactorily completed two years of postgraduate work to advance the discipline of microbiology. If you meet these criteria, all you need to do it obtain a declaration form a referee who is a MASM or FASM finical member of the society, your curriculum vitae and academic record/copy of degree and submit online. For more information see. https://www.theasm.org.au/professional-membership-masm

Visiting speakers' program (VSP): Do you know of an outstanding speaker coming to Australia? If so, consider them for the Visiting Speakers Program (VSP). This program is now coordinated by the ASM Executive standing committee and the National Office in consultation with State branches. For more information, please contact Lauren Zavan (I.zavan@latrobe.edu.au), who is the VSP Coordinator for the ASM VIC Branch.

Organising events: 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) for more information

Advertisements: Would you like to advertise your event, job vacancy or other news item in our newsletter? If so, please contact Jake Lacey (jake.lacey@unimelb.edu.au) Advertising rates are: Not-for-profit adverts: free of charge and For-profit adverts: \$50 per advert.

ASM History SIG: If any ASM members have significant ASM memorabilia that they would like to the 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

ASM National Office:

9/397 Smith Street, Fitzroy VIC 3065

Tel: 1300 656 423 Fax: 1300 655 841

Email: admin@theasm.com.au
Weblink: http://www.theasm.org.au/

ABN 24 065 463 274

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 or

asmvicbranch@gmail.com

A list of the other ASM branches can be found online at http://www.theasm.org.au/