



Theme: Back to the Future

# 5th Annual Southern Cross Travel Medicine Conference and the Inaugural Southern Cross Tropical Medicine Conference

Friday 16 - Sunday 18 September 2022. Hilton Hotel Brisbane

## ACTM Executive and Conference Organising Committee

- President – Prof Peter Leggat
- Conference Chair and President-Elect – Prof Colleen Lau
- Vice President & Honorary Treasurer – Prof Richard Franklin
- Honorary Secretary – Dr Harunor Rashid
- Chair of Faculty of Expedition and Wilderness Medicine – Prof Marc Shaw
- Chair of Faculty of Travel Medicine – Dr Jennifer Sisson

## Scientific Program Committee:

- Chair – Prof Marc Shaw
- Travel Medicine sub-committee:
  - Dr Sarah McGuinness
  - Dr Deborah Mills
  - Dr Jennifer Sisson
- Tropical Medicine sub-committee:
  - Prof Colleen Lau
  - Prof Patricia Graves
  - Prof Andrew Steer
  - A/Prof Susana Vaz Nery
- Abstract Manager:
  - Dr Ramona Muttucumaru



**Travel  
Medicine**



**Tropical  
Medicine**



**One Health  
Workshop**



**Research**



[www.sctravelmedconference.com](http://www.sctravelmedconference.com)

**#SCTMC**



Sessions	Time	Meeting room
Main sessions	Friday, Saturday, Sunday	Queen's Ballroom, Level 5, Hilton Hotel
One Health Workshop	Friday afternoon	Victoria Room, Level 6, Hilton Hotel
Spatial Epidemiology Workshop	Saturday morning	Lockyer Room, Level 5, Hilton Hotel
Practice of Travel Medicine Workshop	Saturday afternoon	Lockyer Room, Level 5, Hilton Hotel

## FRIDAY 16 SEPTEMBER, 2022

08:00 – 08:30	<b>REGISTRATION</b>
08:30 – 08:45	<b>OPENING SESSION TROPICAL MEDICINE</b>
	<b>ACTM President:</b> Prof Peter Leggat, James Cook University <b>Acknowledgement of Country</b> <b>Conference Chair:</b> Prof Colleen Lau, University of Queensland
08:45 – 11:00	<b>NEGLECTED TROPICAL DISEASES 1</b> <b>Chairs:</b> Prof Colleen Lau, University of Queensland & Prof John Kaldor, University of New South Wales
08:45 – 09:30	<b>OPENING PLENARY SESSION:</b> <b>Eliminating neglected tropical diseases – From science to policy</b> <b>Ashdown Oration</b> Dr Patrick Lammie, Task Force for Global Health
09:30 – 10:30	<b>FREE COMMUNICATIONS</b> <ul style="list-style-type: none"> <li>• <b>The impact of single vs. double-dose ivermectin mass drug administration on the prevalence and intensity of soil-transmitted helminth (STH) infections in Solomon Islands (8 mins)</b> Mr Brandon Le, University of New South Wales</li> <li>• <b>Impact of a school-based preventive chemotherapy program for schistosomiasis and soil-transmitted helminthiasis control in Angola (8 mins)</b> Dr Adam Bartlett, University of New South Wales</li> <li>• <b>Modelling lymphatic filariasis in American Samoa: GEOFIL demonstrates need to adjust elimination targets (8 mins)</b> Dr Angus McLure, Australian National University</li> <li>• <b>Lymphatic filariasis endgame strategies: Using GEOFIL to model mass drug administration and targeted surveillance and treatment strategies in American Samoa (8 mins)</b> Mr Callum Shaw, Australian National University</li> <li>• <b>Community-wide deworming leads to a lower burden of STH infection in school-aged children compared with school-based deworming alone: Results from the Community Deworming against Soil-transmitted Helminths (CoDe-STH) trial in Vietnam (8 mins)</b> Dr Clare Dyer, University of New South Wales</li> <li>• <b>Mass drug administration is cost-effective compared to school-based preventive chemotherapy for hookworm control in Dak Lak province, Vietnam (8 mins)</b> Mr John Paul Caesar Delos Trinos, University of New South Wales</li> </ul>
10:30 – 11:00	<b>MORNING TEA</b>
11:00 – 12:30	<b>NEGLECTED TROPICAL DISEASES 2</b> <b>Chairs:</b> Prof Andrew Steer, Murdoch Children's Research Institute & A/Prof Susana Vaz Nery, University of New South Wales
11:00 – 11:30	<b>Neglected tropical diseases in Australia</b> A/Prof Asha Bowen, Telethon Kids Institute
11:30 – 12:30	<b>FREE COMMUNICATIONS</b> <ul style="list-style-type: none"> <li>• <b>Trachoma in Indigenous Australian communities (10 mins)</b> Ms Carleigh Cowling, University of New South Wales</li> <li>• <b>Developing a nationwide response to snakebite as an NTD; the Myanmar Snakebite Project (10 mins)</b> Prof Julian White, University of Adelaide (Virtual presentation)</li> <li>• <b>Bayesian networks as a tool for public health scenario analysis and decision making – Evaluating antigen and antibodies for lymphatic filariasis surveillance in American Samoa (10 mins)</b> Dr Helen Mayfield, University of Queensland</li> <li>• <b>Bayesian network analysis of lymphatic filariasis serology from Myanmar shows benefit of adding antibody testing to post-MDA surveillance (5 mins)</b> Mr Jesse Masson, James Cook University/University of Queensland</li> <li>• <b>National scabies prevalence surveys in Fiji and the Solomon Islands (5 mins)</b> Ms Sarah Anderson, Murdoch Children's Research Institute</li> <li>• <b>Understanding the burden of skin-NTDs in northern Australia: working towards regional control strategies for scabies (5 mins)</b> Dr Victoria Cox, Menzies School of Health Research</li> </ul>



Allocated 30 Category 2 points (Activity No. 362812) in the RACGP QI&CPD Program for the 2020 - 2022 triennium.

<b>12:30 – 13:30 LUNCH by the pool, Hilton Hotel</b>	
<b>13:30 – 15:00</b>	<b>MALARIA and other VECTOR-BORNE DISEASES</b> <b>Chairs:</b> Prof Patricia Graves, James Cook University & Prof Michael Good, Griffith University
<b>13:30 – 15:00</b>	<b>ONE HEALTH WORKSHOP* (SESSION 1)</b> <b>Chair:</b> Prof Richard Franklin, James Cook University <b>The third dimension: Environment in One Health</b>
<b>13:30 – 14:00</b>	<b>Malaria elimination in Papua New Guinea</b> Prof Leanne Robinson, Burnet Institute
<b>13:30 – 14:00</b>	<b>One Health governance of AMR – A global review and Australian case study</b> A/Prof Simon Reid, University of Queensland
<b>14:00 – 15:00</b>	<b>FREE COMMUNICATIONS</b> <ul style="list-style-type: none"> <li> <b>Predictive risk mapping of lymphatic filariasis residual hotspots in American Samoa to inform surveillance and control strategies (10 mins)</b>            Dr Angela Cadavid Restrepo, University of Queensland </li> <li> <b>Synthesising environmental, epidemiological, and genetic data to assist decision making for onchocerciasis elimination (10 mins)</b>            Prof Warwick Grant, LaTrobe University </li> <li> <b>Evaluating molecular xenomonitoring as a tool for lymphatic filariasis surveillance in Samoa, 2018-2019 (10 mins)</b>            Lt Col Brady McPherson, Australian Defence Force Malaria and Infectious Disease Institute </li> <li> <b>Molecular xenomonitoring for surveillance in the endgame to elimination: statistical tools to support the design of surveys and analysis of data (5 mins)</b>            Dr Angus McLure, Australian National University </li> <li> <b>Development of a next-generation ultra-sensitive ELISA for the detection of low-density falciparum malaria (5 mins)</b>            Dr Diane Dogcio-Hall, Cellabs </li> <li> <b>Minimizing dengue serotype 1 infection by transmissible interfering particles (5 mins)</b>            Dr Aminath Shausan, University of Queensland </li> </ul>
<b>14:00 – 14:30</b>	<b>Water, sanitation and hygiene (WASH)</b> Mr David Sellars, James Cook University
<b>14:30 – 15:00</b>	<b>Emerging disease case study – health impacts and areas for concern</b> Prof Bruce Gummow, James Cook University
<b>15:00 – 15:15 AFTERNOON TEA</b>	

## FRIDAY 16 SEPTEMBER, 2022 (cont)

15:15 – 16:45	<b>VACCINE PREVENTABLE DISEASES</b> <b>Chairs:</b> Dr Sarah Sheridan, National Centre for Immunisation Research and Surveillance & Dr Harunor Rashid, University of Sydney	15:15 – 17:15	<b>ONE HEALTH WORKSHOP* (SESSION 2)</b> <b>The second dimension: Animals in One Health</b>
15:15 – 15:45	<b>All vaccines should be a global public good, but are they in the Asia-Pacific?</b> Prof Fiona Russell, Murdoch Children's Research Institute	15:15 – 15:45	<b>"Q-Fever – An update on latest Australian research – implications for travel medicine" – Prof Mark Stevenson, The University of Melbourne</b>
15:45 – 16:45	<b>Free Communications</b> <ul style="list-style-type: none"> <li><b>Japanese Encephalitis Vaccination via the IntraDermal route (JEVID) (10 mins)</b> Dr Luis Furuya Kanamori, University of Queensland</li> <li><b>Determinants of multidrug-resistant tuberculosis in Hunan province, China: A case-control study (10 mins)</b> Mr Temesgen Yihunie Akalu</li> <li><b>Risk Factors for community and household clusters of Q Fever in Queensland (10 mins)</b> Dr Tatiana Proboste, University of Queensland</li> <li><b>Identifying socio-ecological drivers of common cold in Bhutan: a national surveillance data analysis (5 mins)</b> Mr Tsheten Tsheten, Australian National University</li> <li><b>Estimating the risk of travel-related importations of measles into the Western Pacific Region (5 mins)</b> Dr Oyelola Adegboye, James Cook University</li> <li><b>Smallpox: Nepali people's memories of a childhood disease (5 mins)</b> Dr Susan Heydon, University of Otago</li> </ul>	15:45 – 16:15	<b>Exposure to Australian Bat Lyssavirus – A complex systems issue</b> Ms Eryn Wright, University of Queensland
16:45 – 17:15	<b>KEYNOTE – MATERNAL &amp; CHILD HEALTH</b> <b>Chair:</b> Prof Marc Shaw, Worldwide	16:15 – 17:00	<b>Rabies interactive case study</b> Prof Bruce Gummow, James Cook University
16:45 – 17:15	<b>Stunting in young children in low- and middle-income countries: a complex interplay between infectious diseases, environmental and socioeconomic factors</b> Prof Davidson Hamer, Boston University	17:00 – 17:15	<b>PANEL DISCUSSION</b>  <b>Including the second and third One Health dimensions in Travel Medicine and how do we do it?</b>
17:30 – 19:00	<ul style="list-style-type: none"> <li><b>Welcome drinks and canapes by the pool, Hilton Hotel (all delegates welcome)</b></li> <li><b>Book launch – Tourist health, safety and wellbeing in the new normal – Author, Dr Jeff Wilks</b></li> <li><b>Prizes for best abstract presentations by early career researchers and students</b></li> </ul>		

### Tourist Health, Safety and Wellbeing in the New Normal Book Launch

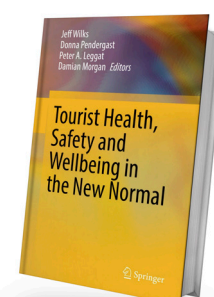
Please join us for the face-to-face launch of this new book considering all aspects of quality service and customer care for tourists in the new normal.

Key travel medicine chapters written by Peter Leggat, Deb Mills, Sarah McGuinness, Robert Steffen and Richard Franklin.

Contributors from psychology, aviation, education, law, public health, hospitality and tourism management.

Launch details: Friday 16 September, 5:45pm at the Hilton Pool area as part of the conference reception.

**A lucky draw for hard copies of the book at the launch – Please join us.**



## SATURDAY 17 SEPTEMBER, 2022

<b>08:00 – 08:50 REGISTRATION</b>	
<b>08:00 – 08:45</b>	<b>'The MORNING SEMINAR'</b> <b>Clinical tropical medicine case studies</b> Dr Sarah McGuinness, Monash University & A/Prof Asha Bowen, Telethon Kids Institute
<b>08:50 – 09:00</b>	<b>OPENING SESSION TRAVEL MEDICINE AND HEALTH</b> <b>Opening by College President:</b> Prof Peter Leggat, James Cook University
<b>09:00 – 10:30</b>	<b>OPENING PLENARY SESSION: THE NEW DAWN</b> Chair: Prof Marc Shaw, Worldwide
<b>09:00 – 09:30</b>	<b>A changing world – rising temperatures and more mosquitoes</b> <b>Robert Steffen Lecture</b> Prof Davidson Hamer, Boston University
<b>09:30 – 10:00</b>	<b>Decimated global disease surveillance</b> Prof Bernie Hudson, Sydney University
<b>10:00 – 10:30</b>	<b>The impact of the aftermath</b> Prof Jeff Wilks, Southern Cross University
<b>09:00 – 10:30</b>	<b>SPATIAL EPIDEMIOLOGY WORKSHOP (SESSION 1)</b> Chair: Dr Adam Bartlett, University of New South Wales
<b>09:00 – 10:30</b>	<b>Welcome</b> Dr Helen Mayfield, University of Queensland
	<b>Introduction to spatial epidemiology</b> Dr Kefyalew Alene, Curtin University
	<b>Spatial data, visualization and exploration</b> Dr Angela Cadavid Restrepo, University of Queensland
<b>10:30 – 11:00 MORNING TEA</b>	
<b>11:00 – 12:30</b>	<b>RE-EMERGING JAPANESE ENCEPHALITIS, MALARIA AND MONKEYPOX</b> Chair: Dr Sarah McGuinness, Monash University
<b>11:00 – 11:30</b>	<b>Japanese Encephalitis: re-emergence in Australia and implications for travel health advice?</b> A/Prof Philip Britton, University of Sydney
<b>11:30 – 12:00</b>	<b>Malaria: Challenges and successes</b> Prof Dennis Shanks, ADFMIDI
<b>12:00 – 12:30</b>	<b>Monkeypox: Where are we at with the ongoing story?</b> Dr Vincent Cornelisse, Kirby Institute UNSW (Virtual Presentation)
<b>11:00 – 12:30</b>	<b>SPATIAL EPIDEMIOLOGY WORKSHOP (SESSION 2)</b> Chair: Dr Adam Bartlett, University of New South Wales
<b>11:00 – 11:30</b>	<b>Geographically weighted regression and Bayesian networks</b> Dr Helen Mayfield, University of Queensland
<b>11:30 – 12:00</b>	<b>Geostatistical modelling</b> Dr Yalemzewod Assefa Gelaw, Telethon Kids Institute
<b>12:00 – 12:30</b>	<b>Mapping tuberculosis prevalence in Africa</b> Mr Eyob Gebreyohannes, Telethon Kids Institute'
	<b>Geospatial overlap of undernutrition and tuberculosis in Ethiopia</b> Mr Fasil Shiferaw, Australian National University
	<b>Closing Remarks</b> Dr Adam Bartlett, University of New South Wales
	<b>12:30 – 15:00</b> <b>Special lunch and networking session for early career researchers and postgraduate students at Howard Smith Wharves</b>

## SATURDAY 17 SEPTEMBER, 2022 (cont)

12:30 – 13:30	LUNCH by the pool, Hilton Hotel		
13:30 – 15:00	VIGNETTES IN TRAVEL MEDICINE: Lessons learned that may impact travellers. Chair: Prof Richard Franklin, James Cook University	13:30 – 15:00	THE PRACTICE of TRAVEL MEDICINE WORKSHOP* (SESSION 1)
13:30 – 13:50	Gone batty - Managing bat exposures as a GP Dr Mick Tong, Darwin GP	13:30 – 14:00	Travel medicine was asleep, but we have been awake: A brief overview of THNANZ and Travel Nurse competency framework. Mrs Catherine Keil, Travel Health Practitioner Pty Ltd Mrs Lisa Scotland, Worldwide
13:50 – 14:10	Clinical cases in travel medicine Dr Deb Mills, Dr Deb The Travel Doctor	14:00 – 14:30	The new age travel consult - How to fit it all in. Mrs Claire Wong, Worldwide Mrs Catherine Keil, Travel Health Practitioner Pty Ltd
14:10 – 14:30	Be it Fahrenheit or Centigrade’ ... fever in a returned traveller Dr Sarah Chu, Brisbane GP	14:30 – 15:00	Sex in the rainbow world Mrs Lisa Scotland, Worldwide
14:30 – 15:00	Clinical toxinology - ‘what on earth is that and why should I care?’ Prof Julian White, University of Adelaide (Virtual Presentation)		
15:00 – 15:15 AFTERNOON TEA			
15:15 – 17:45	DIFFERENT TYPES OF TRAVEL Chair: Dr Jennifer Sisson, Travel Doctor TMVC	15:15 – 17:30	THE PRACTICE of TRAVEL MEDICINE WORKSHOP* (SESSION 2)
15:15 – 15:45	Mass gatherings Dr Harunor Rashid, University of Sydney	15:15 – 15:45	Unravelling yellow fever for beginners Mrs Tonia Buzzolini, Travelvax (AUS perspective) Mrs Claire Wong, Worldwide (NZ perspective)
15:45 – 16:15	Marine Tourism Prof Jeff Wilks, Southern Cross University	15:45 – 16:15	Old? How old is old? A practical session to prepare the elderly traveller Mrs Patricia Smith, Registered Nurse
16:15 – 16:45	Dark Travel and those who travel darkly Prof Marc Shaw, Worldwide	16:15 – 17:00	And they are off! Empirical punch points: 1. The wandering back packer 2. The cruiser 3. Last Minute Traveller Ms Danielle Peel, Nurse Practitioner
16:45 – 17:15	Yellow Fever Conundrum Dr Jennifer Sisson, Travel Doctor TMVC	17:00 – 17:30	The Final Say: Bringing It All Together. Mrs Lisa Scotland, Worldwide Mrs Catherine Keil, Travel Health Practitioner Pty Ltd
17:15 – 17:45	Travel and sexually transmitted diseases Dr Deb Mills, Dr Deb the Travel Doctor		
18:00 – 18:30	ACTM Annual General Meeting (ACTM Members face to face and Zoom) Hilton Brisbane, Level 5, Queen's Ballroom		

\* These workshop sessions are for those that have registered to attend the Practice of Travel Medicine Workshop, and/or One Health Zoonoses workshop – you will be required to sign in for these sessions.

## SUNDAY 18 SEPTEMBER 2022

08:00 – 08:30	<b>REGISTRATION</b>
08:00 – 08:50	<b>The MORNING SEMINAR'</b> Chair: Dr Jennifer Sisson, Travel Doctor TMVC
08:00 – 08:30	<b>Dengue, Chikungunya and Zika: global situation in the COVID era</b> Prof Suresh Mahalingam, Griffith University
08:30 – 08:50	<b>Dengue, Chikungunya, and Zika: practical tips for travel medicine providers</b> Dr Sarah McGuinness, Monash University
09:00 – 10:30	<b>The 'WISEwords' Talks</b> Chair: Prof Marc Shaw, Worldwide
09:00 – 10:30	<b>WISEwords: Short presentations involving "Wisdom, innovation, stimulation, entertainment" in Travel Medicine, including "Ideas to stimulate the brain from those whose brains stimulate"</b> <b>'10 minutes and 10 slides' presentation</b> <div> <div> Prof Davidson Hamer Dr Jennifer Sisson Dr Anwar Hoosen Prof Dennis Shanks Dr Deb Mills A/Prof Phil Britton Mrs Claire Wong Dr Sarah McGuinness </div> <div> Responsible Photography During Travel Are We Ready for the Next Pandemic? Riding the Pandemic Wave How to Remember the Pandemic? Don't Pat Dogs? Paediatric Travel Med Quiz How I caused the Pandemic Getting the most 'bang for your buck' with Travel Vaccines </div> </div>
10:30 – 11:00	<b>MORNING TEA</b>
11:00 – 12:30	<b>CLOSING PLENARY: 'THE BROAD PICTURE'</b> Chair: Prof Peter Leggat, James Cook University
11:00 – 11:30	<b>The future of travel and the future of guidelines for travel medicine</b> Dr Jennifer Sisson, Travel Doctor TMVC
11:30 – 12:00	<b>How tourists are navigating travel in a COVID era</b> A/Prof Gabby Walters, University of Queensland
12:00 – 12:30	<b>The impact of travellers on an environment and hope for the future</b> Prof Davidson Hamer, Boston University
12:30 – 13:00	<b>CLOSING SESSION AND QUIZ</b> Chair, Scientific Programme Committee: Prof Marc Shaw, Worldwide

Please Note: There may be slight changes to the program to accommodate the requests and needs of the presenters and participants.



Platinum Sponsor

sanofi

Premium Sponsor



Gold Sponsors



AUSTRALIAN CENTRE  
for CONTROL & ELIMINATION of  
NEGLECTED TROPICAL DISEASES



JAMES COOK  
UNIVERSITY  
AUSTRALIA



THE UNIVERSITY OF  
SYDNEY  
Sydney Infectious  
Diseases Institute

Exhibition Sponsors



Sponsor for ECR and Student Prizes



*Tropical Medicine and  
Infectious Disease*

