



## Branch reports

### Queensland

The Queensland Branch of the ASM continues to offer many opportunities for scientific and social discourse. The planned activities for 2003 include:

- Hosting of the ASM visiting speakers.
- Monthly scientific meetings of the Clinical SIG and serology/virology SIG (thanks to Bob Silcock and Jacquie Schooneveldt).
- The organisation of the competition for the BD award.
- Support of and participation in the regular North Queensland medical science meeting organised by Rob Norton.
- An 'out of town' scientific meeting in December.
- A continuation of the policy of paying one year's ASM membership for Honours students.

Complete information can be found at the Branch's website at <http://www.life.sci.qut.edu.au/obrienm/QBranch/Gateway2001.html>, so check it out.

*Phil Giffard, Branch Chairperson*

### South Australia

After the national conference in Melbourne the state's activities included two visiting speakers (Professor Stanley Brul and Associate Professor Doug Bartlett) and our Christmas meeting. Both visiting speakers presented excellent talks, although attendances were low; attracting a good audience after the national conference is always a challenge.

The Christmas meeting was again a highlight of the year with over 50 members attending the 'Barefoot in the Boat House' function at the Unley High School rowing club boat house on the banks of the Torrens River. Some of the highlights of the evening included an

olive oil tasting present by Dr Peter Hayball from the University of SA, a cryptic 'Pick the Feet' quiz and a little Karaoke late into the night.

2003 again promises to be a challenging year. We have a specific focus on student membership this year and started the year with a student information night at a local pub. Attendance was very encouraging and has resulted in a number of new members. Also, seven students have applied to present at the BD and branch travel awards night which will be held in April.

In May we will hold a clinical meeting with four speakers presenting aspects of *M. avian* infections and the role of spa water. At this meeting (13 May) we will also host the extraordinary AGM of the society.

In June the branch will host a Saturday workshop on genomics and proteomics. This workshop will introduce these topics and give an opportunity for members to learn more about the potential future role of these technologies in microbiology. The branch will then hold its AGM in August with Professor Chittleborough being the invited speaker to share his extensive expertise in the area of water management.

*Andrew Butcher, Branch Chairperson*

### Tasmania

The membership of the Tasmanian branch is largely split between the cities of Hobart and Launceston, about 2.5 hours' drive apart. Therefore we have a mix of local and combined meetings, the latter, such as the AGM, being held in rural settings convenient to both cities. Committee meetings (three since our AGM in November) are held conveniently at the Hobart/Launceston University campuses via video link.

Likewise, our visiting speakers are requested to deliver talks at both Launceston and Hobart venues (this year so far, Stanley Brul on food microbiology/bacterial stress and Douglas Bartlett on extremophiles).

To make up an expected shortage of further interstate visitors we intend to utilise the wealth of experience of local members, giving low-key short talks on aspects of microbiology that have excited them, like an unusual case study, their research, their teaching, whatever. A mycology workshop being organised in Launceston by Dr Peter Dadson for 12 April is an example of the potential for self-sufficiency in our ongoing microbiology education.

*Martin Line, Branch Chairperson*

### Victoria

The new year has seen the Vic Branch committee involved in organising a number of activities for members, some old and some new additions to the calendar.

The year kicked off with a new event, the March Madness Meeting, which saw Prof. Colin Masters, Australia's internationally recognised expert in neurodegenerative diseases, and Mr Paul Selleck from CSIRO's Australian Animal Health Laboratories describe the history, epidemiology and detection of transmissible spongiform encephalopathies, with particular emphasis on the emergence of vCJD in Europe. The meeting was followed by dinner and was sponsored by Abbott Australasia.

Future meetings in the planning stages include the ever-popular Southern 'News from the Hospitals' and a number of student events to follow our end-of-year barbecue and essay competition. These include a Careers Information Evening and a Quiz Night social event.



The committee remains as active and hard-working as ever, although we will miss the contributions of Barbara Bell who has decided to step down after numerous years of dedicated service. It is therefore pleasing and encouraging that we received a good response to our call for new committee members and should be welcoming these enthusiastic members soon.

Enzo Palombo, Branch Chairperson

Western Australia

The Western Australian Branch of ASM has had a particularly busy time over the past months.

Immediately post the Melbourne ASM we invited Lynne Garcia to run a parasitology workshop. The response from our members was overwhelming and, with Curtin University School of Biomedical Sciences allowing us the use of their magnificent facilities and their staff expertise, the workshop was off to a brilliant start. Lynne had brought all her slides and set each microscope up for the participants to ensure best value for all. All members greatly appreciated the effort and time both Lynne and her husband John spent preparing for the workshop and many lessons were learnt and ideals achieved after the intense 4 hours.

The workshop concluded with a well earned morning tea with Lynne and John thanking ASM WA for the opportunity to conduct the workshop which they also thoroughly enjoyed. We are eagerly awaiting their return to have an even more comprehensive day!

December saw the regular 'Around the Labs' evening of talks followed by a substantial supper and local wines – a fond farewell to the busy year. Speakers were:

- Mariana Veljanovska (MicroServe Laboratory): Microbial challenge trials.
• Robert Peters (Western Diagnostic Pathology): Cryptosporidia.

- Coen van der Werff (St John of God Pathology): Cases of interest.
• Dr Maia Rupnki (University of Slovenia): Toxin variants of C. difficile.

A new innovation for our branch was the suggestion put forward by committee member Catherine Gangell that we consider a vacation scholarship for final year students. The aim was for the student to propose a body of work that would be supervised and also completed (or near completion) by the end of the summer break.

We had many applications and two scholarships were awarded. The winners received funding from the local branch and the work was to be reported on and the report submitted to the branch upon completion. A presentation is also to be given in the future. The winners were:

Jasmine Tay, Department of Medicine, Fremantle Hospital and Jenefer Hole, University of WA. Our first speaker for 2003 was Associate Professor David Ellis on 17 March.

Plans are almost finalised for a Country Weekend that is held biannually. This year we are combining with AIMS and the Australian Society of Cytogeneticists for a relaxing day at Margaret River on 17 May. The programme will include topics on forensic science, flow cytometry, histopathology, VRE, mycology, HIV diagnosis, marketing and the medical scientist and, as we are in the middle of WA's wine fields, what better way than to finish with a talk on wine making and the mandatory tasting!

Suellen Blackaby, Branch Chairperson

New Members

ACT

- Amy Victoria JENNISON
Haralambos KORRES
Fleur ROBERTS

NSW

- Karl Adam HASSAN
Fanrong KONG
Stephen KWONG
David LIUWANTARA
Victoria Mary MADIGAN
Railya MOUSINA
Monique Zoe NICOLLE
Sally Rachel PARTRIDGE
Naomi STANLEY
Zubair M WALIUZZAMAN
Peter A WHITE

QLD

- Anita Marie BARRY
Phillip Dieter FROMM
Rebecca May KING

SA

- Branka GRUBOR-BAUK

VIC

- Luminita BADEA
Amitava BASU
John BOYCE
Dieter Mark BULACH
Martina CHIAREZZA
Melissa DAWSON
Sally Anne TURNER

WA

- Jenefer HOLE
Yvette Mixiadi KAZADI
Dale MORGAN
Kevin ROLLER
Jasmine Wee Ting TAY
Kelly Ann WATSON

INTERNATIONAL

- Maree GILLIES



## Award nominations invited

### ASM Distinguished Service Award

The ASM Distinguished Service Award provides a mechanism whereby the Australian Society for Microbiology recognises outstanding service of, or contributions by, individuals or organisations to the Society.

It is intended that both individuals and corporations be eligible for the award. The selection criteria for an individual and for an organisation are different. Membership of the Society is not a requirement.

Individuals or organisations deemed worthy of recognition for Distinguished Service to the Society may be nominated, in writing and in confidence, by individual members or branches to the President of the Society. The information accompanying the nomination should include a summary of the individual's or organisation's contribution to the Society.

The selection committee will consist of the Executive Committee of the National Council. Recommendations concerning the Distinguished Service Award will be made to the National Council, at which time a decision concerning the award will be made.

### Honorary Life Membership

Honorary status is the highest membership recognition given by the Society and carries with it all the rights and privileges of a Member or Fellow, together with exemption from payment of the annual subscription.

Nominations for election to Honorary Life Membership may be forwarded to Council by 30 June in any calendar year. At this time nominations will be grouped and presented to the Honours Subcommittee for assessment and review. Based upon the recommendation of the Honours Subcommittee, nominees may be elected to Honorary Life Membership by National Council at the next meeting of Council, if feasible. No more than three Honorary Life Members shall be elected in any one year.

The Council may elect a person as an Honorary Life Member who, in its opinion, has rendered distinguished service to the science of microbiology, to the Society, or to both.

A person shall not be considered for election as an Honorary Life Member

unless the Council has received from the proposer:

- A nomination for Honorary Life Membership signed by the proposer, a seconder, and 10 other signatories each of whom shall be a Member or Fellow of the Society.
- A complete curriculum vitae together with a condensed summary and photograph suitable for publication in *Microbiology Australia*.
- A statement summarising the nominee's major contribution to the discipline and/or practice of microbiology, to the Society, or to both, together with information attesting to the high personal and professional standards of conduct of the candidate; and
- A bibliography of scientific publications and/or contributions to the relevant area of microbiology.

For further information concerning these awards, please contact the National Office on (03) 9867 8699 or e-mail [admin@theasm.com.au](mailto:admin@theasm.com.au)

## Book Review

### Malaria Frontline

**Author:** Tony Sweeney  
**Publisher:** Melbourne University Press

The army malaria research unit carried out major research on malaria during World War II. This research is said to have made more advances in the knowledge of chemoprophylaxis for malaria in its three year operation in North Queensland than in the previous 50 years or the subsequent 20 years.

In his book, Tony Sweeney, formerly Officer in Command of the unit, presents a compelling account of the unique operation of this outstanding research

team. He provides a historical perspective of the problems faced by armies operating in malarious areas, such as the South Pacific, and gives detailed accounts of the experiments involving injection and transfusion of hundreds of servicemen who volunteered for testing in the search for a prophylactic drug.

Dr Sweeney explores the difficulties in establishing cooperation between British and US pharmaceutical companies and the key role played by NH Fairley and his staff in ensuring that all options were evaluated. The work of the malaria unit meant that drugs could be tested under 'field conditions' within a few weeks, rather than the six months in the USA.

In his foreword, Professor CRB Blackburn asks whether similar studies could be conducted now. He notes the peculiar conditions applying at the time and suggests that perhaps major terrorist attacks might provide the motivation and community support for the formation of a unit of bio-terrorism.

The book is a history of a monumental endeavour that was responsible for keeping allied armies in the field and saving many lives. It is written in a clear, concise style that makes this a useful book for those interested in malaria or the history of scientific research.

*RJ Akhurst*



Contributions listing interesting sites or short reviews are welcome. Please send to <pbishop@nursing.usyd.edu.au>.

**Bioterrorism**

<http://www.health.gov.au/pubhlth/strateg/bio/>

Australia's biosecurity health response

<http://nationalecurity.ag.gov.au/>  
National Security Australia.

<http://pubs.ama-assn.org/bioterr.html>

Bioterrorism articles in JAMA.

<http://www.bt.cdc.gov>  
CDC bioterrorism information.

<http://www.hopkins-biodefense.org/>  
Center for Civilian Biodefense Strategies.

<http://www.whitehouse.gov/homeland/>

Homeland security actions.

[http://www.who.int/emc/deliberate\\_epi.htm](http://www.who.int/emc/deliberate_epi.htm)

Health aspects of biological and chemical weapons (WHO).

<http://www.asmtusa.org/pasrc/bioprep.htm>

ASM-USA resources related to bioterrorism.

<http://www.australiagroup.net/agcomcon.htm>

Australia Group homepage.

<http://www.usaha.org/NAHEMS/>

USA National Animal Health Emergency Management System.

<http://www.usps.com/news/2001/press/serviceupdates.htm>

Security of US mail.

<http://www.sis.nlm.nih.gov/Tox/biologicalwarfare.htm>

National Library of Medicine page on biological warfare.

<http://bmbf.od.nih.gov/sect7a.htm>

Biosafety, Biomedical and Microbiological Laboratories: agent summary statements.

<http://www.cidrap.umn.edu/>  
Center for Infectious Disease R&D.

<http://www.avma.org/press/biosecurity/>

Biosecurity for Am Vet Med Assoc.

Book Review

**Management of Perinatal Infections:**

**Cytomegalovirus, Enterovirus, Hepatitis B, Hepatitis C, Herpes Simplex Virus, HIV, Listeria, TB, Parvovirus, Rubella, Group B Streptococcus, Toxoplasma, Syphilis, Varicella Zoster virus**

**Editor:** Pamela Palasantbiran, Mike Starr & Cheryl Jones

**Publisher:** ASID 2002

**Intro:** Prof Lyn Gilbert

This new publication provides an approach to the management of 14 infections during pregnancy and the perinatal period. The algorithms follow a set of themes which include clinical and microbiological diagnosis, perinatal transmission risks and available intervention strategies. It represents a consensus among Australasian specialists in perinatal infection and has been endorsed by the Australasian Society for Infectious Diseases (ASID) and the Royal College of Obstetricians and Gynaecologists of Australia and New Zealand.

The book is intended to help guide the initial assessment and investigation of the patient, rather than discourage non specialists from referring pregnant women with suspected infection during pregnancy.

Copies of *Management of Perinatal Infections* can be ordered now \$35 each incl. GST, postage and handling (extra postage may be charged for overseas orders). To order fill out the form opposite.

**Details**

Name: \_\_\_\_\_

Mailing address: \_\_\_\_\_

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**Payment**

Please provide \_\_\_\_\_ copies of *Management of Perinatal Infections* @ \$35 each \$ \_\_\_\_\_

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Name on credit card: \_\_\_\_\_

Signature: \_\_\_\_\_

**Post to: Diane Walsh, ASID Secretariat, 145 Macquarie St, Sydney, NSW, 2000**

**Fax: (02) 9252 3310**

**E-mail: asid@racp.edu.au**

**Cheques should be made payable to Australasian Society for Infectious Diseases.**





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### Looking back at 1997...

Most of you will remember 1997 by Dolly the sheep (going public), the success of the unmanned Mars pathfinder mission, the discovery of nanotubes and the reporting of a number of complete genome sequences including *E. coli*, *H. pylori* and *H. influenzae*. For young bugs in Australia it was the second year that the BD student awards were held and the annual scientific meeting of ASM was in Adelaide.

This year we thought we would take a look at past BD award winners to see what they have done since 1997 and what they are up to now. Three of the winners in '97 were Christine Yeates (NSW) Ruth Foxwell (ACT) and Zoey Durmic (WA). We questioned them on their experiences over the past six years and they provided some advice for young microbiologists.

#### Christine Yeates

Chris received the BD award for initial experiments from her PhD, working on development and optimisation of DNA extraction methods for soil at Macquarie University with Michael Gillings and Andrew Holmes.

***Tell us a little about the work you have been doing since graduating.***

My first position after finishing my PhD was in the Department of Microbiology at Miami University in the USA. This was not in Florida, but in a town called Oxford in Ohio. The position was on a project examining the influence of dissolved organic carbon on stream microbial communities and was very different from my PhD research. For one thing I was now working on sediment rather than soil, and I was extracting phospholipid fatty acids (PLFAs) from microbes, rather than DNA. The research was more chemistry-based than I was used to, and the learning curve was certainly very steep.

The project was part of a collaborative one with groups from at least three other universities and involved sampling streams over the USA and also in Costa Rica (unfortunately I never got to go sampling!). This proved a great opportunity to compare a range of methods to see if they would agree.

The community structure from T-RFLP data agreed very well with that from the PLFAs and it was surprising (at least for me) to see how similar the replicates from one stream could be. However, I have discovered one of the greatest drawbacks to collaborative research across several groups, and that is the wait for results and therefore publications.

The desire to return home was too great and after 18 months I returned to take up a postdoctoral position at The University of Queensland (UQ). While I was overseas, I had applied for a UQ Postdoctoral Fellowship to work on a project examining the bacteria involved in removal of phosphorus from wastewater, again a big change in direction. I was lucky enough to get the fellowship, which has meant I have a lot of independence and control over the project, and this has been a great experience.

The main project I'm working on involves the development of methods using bacterial artificial chromosome (BAC) vectors to clone large pieces of DNA from uncultured bacteria from wastewater treatment processes. The results have been very promising and there is a lot of potential for further investigation.

#### ***How did you go about getting these positions?***

After my PhD, I followed in the path of many Australian PhD students and headed overseas to do a postdoc. I found the position in the newsletter from that other ASM (the American Society for Microbiology). It is a great source of information about jobs available not only in the USA, but also Europe.



When I decided to return to Australia, I spent some time contacting researchers here that I would like to work with. With help in project design from Linda Blackall, I was able to secure a UQ postdoctoral fellowship.

### **What were your likes and dislikes about working overseas?**

I think my major dislike about working overseas is that it is not Australia. I think the experience is very different for each individual and is very dependent on work and living environment. Moving from Sydney to a small town in Ohio was certainly a huge culture shock but a great experience nonetheless. I think it makes you develop a different kind of independence far away from the safety nets you have back in your home country.

### **Would you recommend overseas work to other students?**

I think taking up a position overseas after my PhD was a great move for me. I would definitely recommend it, but be very careful where you go. One of my big regrets was that after I accepted this first position, I was offered another position that was in a field more related to my PhD research. I had been so worried I wouldn't get a job, that I ended up losing out on what were two additional opportunities that were in fields closer to my own expertise (and interests).

I did learn some great techniques during my postdoc and don't regret taking the position, but my advice is to hold out (if you can) for what you really want. Contact people when you are getting close to submitting your thesis and make the most of contacts through your colleagues in Australia too.

### **What does the future hold for you?**

When I was an undergraduate, I said I would never do honours. During honours, I swore I would never start a PhD. During my PhD, I stopped making these statements and have just waited to see what would happen. I still don't know what that will be. For the moment I really enjoy the research I am doing and

hope to start some lecturing later this year. After that, well who knows...

### **Do you feel attending conferences as a student helped you in your career?**

I think attending conferences is extremely important when you are a student. I think it should be compulsory for students to also attend at least one overseas conference during their PhD. I found conferences a great way to make contacts. I think attending the ASM conference is almost compulsory, even if just to catch up with friends. You never know when something that was briefly mentioned over drinks might lead you to develop collaborations, a job or a useful technical contact.

### **Are you still involved in ASM?**

I became a member again not long after returning to Australia but don't have much other involvement at the moment.

### **Do you have any particular advice for young microbiologists?**

Stick with it, I guess. Try not to get too disheartened when everyone talks about the lack of funding and lack of jobs – there is always something out there for you if you are keen to pursue it. Apply for as many awards as you can, especially things like the BD award, since it always looks great on the CV. Good luck!

## **Ruth Foxwell**

Ruth won the BD award for her presentation on mechanisms of immunity to non-typable *Haemophilus influenzae* in the lung. After graduating she moved into an academic position as a lecturer at the University of Canberra. Ruth has since been promoted to senior lecturer and more recently appointed as Academic Director of the Division of Health, Design and Science. The following are some questions Ruth answered for us about her career since '97.

### **What type of work have you been doing since graduating?**

My work is mixed between lecturing undergraduates, supervising post-graduates and community service tasks. I

have been PhD coordinator for the Higher Degrees Committee and Chair of the Higher Degrees Committee.

On the research front, I continue to look at the interaction of NTHi and the immune system. Our group looks at the difference between immune and non-immune animals and the immune response on pulmonary and middle ear challenge. Of particular interest at the moment is the programming of the cytokine response. We also have a fascinating project involving the uptake of bacteria from the gut via M-cells, having quantified an *in vitro* system.

### **How did you go about getting these positions?**

I found contacts through community service contributions (e.g. ASM) an important factor.

### **Have you ever worked abroad?**

Yes, I spent many years overseas prior to doing my PhD.

### **What were your likes and/or dislikes about working overseas?**

No negatives. I found it great working in different cultural environments and learning new ways from people with different training. It also gave me confidence in the great way we educate in Australia.

### **Would you recommend overseas work to other students?**

Absolutely!!

### **Do you feel attending conferences as a student helped you in your career?**

Absolutely. It allowed for a broadening of perspective and was good for contacts and for technique application.

### **Are you still involved in ASM?**

Yes. I'm the Chair of NQC, on National Executive and on *Microbiology Australia's* Editorial Board.

### **Do you have any particular advice for young microbiologists?**

Be passionate about your work.



## Zoey Durmic

Zoey won the BD award for her PhD project on dietary control of swine dysentery. Here is what Zoey had to say.

### ***What type of work have you been doing since graduating?***

From 1999-2002 I was employed as a Postdoctoral Research Fellow at CSIRO Livestock Industries. The project was about isolation and characterisation of methane-producing microorganisms from rumen and reducing the global methane emissions by immunising the animals against these microorganisms.

More recently I took up a position as a Lefroy Research Fellow at the Faculty of Natural and Agricultural Sciences at the University of Western Australia. The project involves the study of rumen microorganisms and various aspects of rumen microbiology.

### ***How did you go about getting these positions?***

The postdoctoral position was advertised in a local newspaper in Western Australia and the more recent position was advertised on the university employment site.

### ***What was the biggest change moving from a university setting to an industry setting?***

More money, less freedom.

### ***What are your likes and dislikes about working in industry?***

There are contractual obligations that drive the project in one direction. Funds are relatively secure, resources readily available and accessible, but the goal strongly dictates the pace and the pattern of work.

### ***What are your likes and dislikes about working in science in Australia?***

People seem to be more relaxed, but enthusiastic, motivated and interested in what they are doing (which I like). I dislike the isolation and occasional lack of adequate appreciation for the local science and expertise.

### ***What does the future hold for you?***

I'd like to stay in WA and contribute to the local development of science and research, and to see more work done in areas of animal microbiology. I can see the trend of science moving away from fundamental research and becoming more applicable and profitable.

### ***Do you feel attending conferences as a student helped you in your career?***

It was very helpful in terms of getting to know people in your area and exposing yourself and your work to them. It is also very important 'ice-breaker' in giving talks or presenting posters. This all is probably more important when you are a student than later on when you have already achieved something in your field, you are known better, and have more experience in giving presentations.

### ***Are you still involved in ASM?***

I was a WA branch committee member up until the end of last year. I am planning to apply to be a MASM soon.

### ***Do you have any advice for young microbiologists?***

Use every chance to travel and to network. Be active with ASM – go to the meetings, talks, workshops. And remember that there are other areas of microbiology (i.e. veterinary, food, environmental) that can be fun and offer you excellent career opportunities!

Joanne Clarke

## **WA Curtin University Student Representative**

We would like to welcome the new WA Curtin University student representative, Belinda Clark, to the WA branch committee. Belinda is taking over from Brett Jacobs who has moved to Geraldton for work at St John of God Pathology.

*I moved from South Africa to Australia in 1991. I studied pharmacy for two years before deciding to travel. Upon my return I started working at the Burswood Casino before electing to go back to university. I am currently studying my second year of Medical Science at Curtin. I recently began working part-time at Royal Perth Hospital in the microbiology department which I enjoy immensely. I am looking forward to 2003 and being the Curtin student representative for ASM – Belinda Clark*

## **SA student information night**

On 12 March, the SA branch of the ASM hosted an informal gathering at the Stag hotel to try and get new students involved in the ASM. The evening aimed to inform students of the benefits of becoming a member, as well as notifying them of upcoming events.

The students were told about a new offer the SA branch has introduced which allows them to gain free membership of the ASM if their supervisor is a member. It is hoped that this initiative may encourage more students and their supervisors to become involved in local meetings.

A challenge was put forward to the students at the pub night to tell the SA branch what they needed in terms of meetings or courses from the ASM. One suggestion that was raised was a course on oral presentation skills. The rest of the pub night was spent drinking, eating and talking between students and members of the SA branch committee.

The postgraduate award night is going to be held on 9 April at the University of SA. Two awards are given, the BD award, which is given to the best presentation by a masters or PhD student, and the SA branch prize, which is given to the best presentation by an honours student. The two awards both include registration to the national conference (in Auckland, New Zealand), airfares and accommodation.

The BD winner will present their talk with the representatives from the other states, while the honours student can present their work as a poster. Any one interested in presenting or attending the award meeting should contact Heather Rickard, at [heather.rickard@unisa.edu.au](mailto:heather.rickard@unisa.edu.au)





## Meetings

Contributions listing relevant meetings are welcome. Please send to:  
<pbishop@nursing.usyd.edu.au>

### 2003

**25-28 May**  
**Jamberoo Valley Lodge,**  
**Jamberoo, NSW**  
**(40km south of Wollongong)**  
**BacPath VII 2003**

Will cover a broad area of bacterial pathogenesis, with some invited speakers presenting on the impact of genomic and post-genomic technologies on this research area.

To subscribe to the BacPath e-mail list send e-mail to: [Mailserv@cc.monash.edu.au](mailto:Mailserv@cc.monash.edu.au)  
Contact: Prof Mark Walker  
University of Wollongong  
Tel: (02) 4221 3013

**7-10 June**  
**Durban, South Africa**

**Words of Welcome:**  
**23d ICC International Congress of**  
**Chemotherapy**

**Theme: *Ingqungquthela* – a zulu word which refers to a meeting where important issues are discussed**

Further information:  
[www.congrex.nl/icc2003/](http://www.congrex.nl/icc2003/)

**23-25 June**  
**Bethesda, Maryland, USA**

**2003 Annual Conference on**  
**Antimicrobial Resistance**

<http://www.nfid.org/conferences/resistance03/>

**12-16 July**  
**Davis, CA, USA**

**The American Society for Virology**  
**22nd Annual Scientific Meeting**

Website: [ASV@mcw.edu](mailto:ASV@mcw.edu)

**13-16 July**  
**Paris, France**

**The 2nd IAS Conference on HIV**  
**Pathogenesis and Treatment**

E-mail: [ias2003@jcdconseil.com](mailto:ias2003@jcdconseil.com)

**20-23 July 2003**

**Raffles City Convention Centre,**  
**Singapore**

**2nd International Congress of Asia**  
**Pacific Society of Infection Control**  
**Infection Control – Towards**  
**Quality Care**

For more information please contact:  
Communication Consultants  
56A Somme Road  
Singapore 207874  
Tel: (65) 6293 8220  
Fax: (65) 6293 8230  
E-mail: [comcon@pacific.net.sg](mailto:comcon@pacific.net.sg)  
Website: [www.icas.org.sg/apsic](http://www.icas.org.sg/apsic)

**13-15 August**  
**Surfers Paradise Marriott Resort, Qld**  
**Celebrate the 20th NRL**  
**Workshop on Serology**

*The 20th NRL Workshop on Serology promises to be the most informative and most controversial yet.*

Contact: Debra Irvine  
Workshop Secretariat  
Fitzroy VIC 3065  
Tel: (03) 9418 1117  
Fax: (03) 9418 1155  
E-mail: [debra@nrl.gov.au](mailto:debra@nrl.gov.au)  
[www.nrl.gov.au](http://www.nrl.gov.au)

**27-30 August**  
**Les Diablerets, Switzerland**  
**6th International Meeting on**  
**Microbial Epidemiological Markers**

Tel: (41) 61 686 77 11  
Fax: (41) 61 686 77 88  
E-mail: [info@akm.ch](mailto:info@akm.ch)

**15-17 September**  
**University of Navarra,**  
**Pamplona, Spain**  
**Brucellosis 2003 International**  
**Research Conference**

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31008, Pamplona, Spain  
Tel: (34) 948 425600  
Fax: (34) 948 425649  
E-mail: [brucellosis2003@unav.es](mailto:brucellosis2003@unav.es)  
Website: <http://www.unav.es/brucellosis2003/>

**28 September – 1 October**  
**Amsterdam, The Netherlands**  
**9th Congress of the European**  
**Confederation of Medical Mycology**  
**ECCM and 7th Trends in Invasive**  
**Fungal Infections TIFI: Joint Meetings**

Website: [info@congresscare.com](mailto:info@congresscare.com)

**28 September – 2 October**  
**Auckland, New Zealand**  
**Microbiology – Art in Science**  
**NZ/ASM 2003: Joint Annual Scientific**  
**Meeting & Exhibition of the New**  
**Zealand & Australian Societies for**  
**Microbiology**

Contact: Janette Sofronidis  
MicroNZ 2003 Secretariat  
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E-mail: [secretariat@micronz2003.org](mailto:secretariat@micronz2003.org)  
Website: [www.micronz2003.org](http://www.micronz2003.org)

**6-10 October**  
**Conrad Jupiters Gold Coast, Qld**  
**The Australian Institute of**  
**Medical Scientists**  
**South Pacific Congress 2003**  
**Sun, Surf and Science!**

Contact: Fran van Til  
e.events limited  
PO Box 647  
Rangiora 8254, New Zealand  
Tel: (64) 3 313 2097  
Fax: (64) 3 313 2098  
E-mail: [fran@eenz.com](mailto:fran@eenz.com)

**15-18 October**  
**Kuala Lumpur, Malaysia**  
**Third Federation of Asia Pacific**  
**Microbiology Societies Conference**  
**Emerging Issues in Microbiology**  
**Expanding Research Frontiers for**  
**Biotechnology**

Chair: Assoc Prof Vikineswary FAPMS  
Institute of Biological Sciences  
Faculty of Science  
University of Malaya  
50603 Kuala Lumpur  
Malaysia  
Fax: (603) 7967 4178  
Email: [wiki@um.edu.my](mailto:wiki@um.edu.my);  
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[nurhaya@um.edu.my](mailto:nurhaya@um.edu.my)  
Website: [www.um.edu.my/conf/FAPMS](http://www.um.edu.my/conf/FAPMS)

**16-19 October**  
**Santa Margherita,**  
**Portofino, Italy**  
**International Meeting on**  
**Antimicrobial Chemotherapy in**  
**Clinical Practice (ACCP)**

<http://www.accp.it/>

**14-16 November**  
**Hotel Inter-Continental,**  
**Berlin, Germany**

**2nd International Symposium:**  
**Resistant Gram-Positive Infections**

Congress Secretariat: KIT GmbH  
Kurfürstendamm 71  
D10709 Berlin, Germany  
Tel: (49) 30 246 03 240  
Fax: (49) 30 246 03 310  
E-mail: [rgpi@kit.de](mailto:rgpi@kit.de)  
Website: <http://www.GramPos.com/>

**1-5 December**  
**Melbourne Convention Centre**  
**13th International Symposium on the**  
**Biology of Actinomycetes**

Convener: Dr Ipek Kurtböke  
University of the Sunshine Coast, Qld &  
Symposium Secretariat  
C/o Conference Strategy Pty. Ltd  
PO Box 1127  
Sandringham Vic 3191  
Website: [www.conferencestrategy.com.au](http://www.conferencestrategy.com.au)





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