



Network Newsletter, Friday 10 November 2006

Dear Network Participant,

The November edition of the ARC/NHMRC Research Network for Parasitology Newsletter holds the following items for you:

- [1] **ARC/NHMRC Research Network for Parasitology scientists awarded over twenty grants and fellowships worth almost \$8 million in the recent ARC and NHMRC funding rounds...p2**

***Awards***

- [2] **Network Travel Award Winners...p4**

***Profiles***

- [3] **2006 ASP Fellow Prof Nicholas Sangster...p5**  
[4] **Rob Walker, PhD candidate from IBID, UTS...p9**

***Conferences***

- [5] **Preliminary Program - IMED 2007...p11**  
[6] **13th International Congress on Infectious Diseases, Kuala Lumpur, Malaysia June 19 – 22, 2008...p11**

***Positions vacant***

- [7] **Research Chair (Level E) in Molecular Parasitology at Charles Sturt University (CSU), Wagga Wagga...p11**  
[8] **Research Scientist (Molecular Parasitology) at the QLD Department of Primary Industries & Fisheries...p12**  
[9] **Postgraduate position – malaria research at Trinity College Dublin...p13**  
[10] **Visiting Research Assistant / Associate Professor at the National Research Center for Protozoan Diseases, Obihiro University of Agriculture and Veterinary Medicine, Japan...p13**  
[11] **Lecturer/Senior Lecturer in Microbiology at University of Technology, Sydney...p14**

- [1] **ARC/NHMRC Research Network for Parasitology scientists have again performed extremely well in recent ARC and NHMRC funding rounds, being awarded over twenty grants and fellowships worth almost \$8 million:**

### **ARC Discovery Projects**

Kieran Kirk and Kevin Saliba (Australian National University)  
**Ion transport in the malaria parasite and parasitised erythrocyte**

Georges Grau and Nick Hunt (The University of Sydney)  
**Microparticles as effectors of microvascular alterations in brain inflammation**

### **ARC Linkage Projects**

Andrew Thompson, Alan Lymbery and colleagues (Murdoch University)  
**The nature, diversity and potential impact of infectious agents in Western Australian threatened mammals**

Shelley Walton (Menzies School of Health Research) and colleagues  
**Evaluating the impact of new interdisciplinary interventions to enhance dog health to benefit community health outcomes in remote Indigenous communities**

John Ellis (University of Technology, Sydney) and colleagues  
**Gastrointestinal parasites and their diagnosis**

### **ARC Linkage International Project**

Robin Gasser, Aaron Jex (The University of Melbourne) and Dr DT Littlewood (UK)  
**A high-throughput method for unlocking the mitochondrial genomes of significant pathogens**

### **NHMRC Project Grants and Fellowships**

Kieran Kirk (Australian National University)  
**Chloroquine resistance and the physiology of the malaria parasite's digestive vacuole**

Ian Clark (Australian National University)  
**Research Fellowship**

Georges Grau, David Cook, Nick Hunt (The University of Sydney)  
**Relationship between cell-cell interactions and disease severity in patients with cerebral malaria**

Shelley Walton, Bart Currie (Menzies School of Health Research)  
**An immunodiagnostic assay for scabies**

Alex Loukas, Mal Jones (Queensland Institute of Medical Research)  
**Role of tetraspanins in the schistosome tegument**

Mal Jones, Alex Loukas, Don McManus (Queensland Institute of Medical Research)  
**Transport pathways of host-derived iron in schistosome parasites**

Don McManus, Geoff Gobert (Queensland Institute of Medical Research),  
 Paul Brindley (Tulane University)  
**Transcriptome profiling of the human pathogen *Schistosoma japonicum***

Michelle Wykes, Michael Good, Susan Pierce (Queensland Institute of Medical Research)  
**Malaria and long term immunity**

Dave Kemp (Queensland Institute of Medical Research)  
**Research Fellowship**

Alex Loukas (Queensland Institute of Medical Research)  
**Research Fellowship**

Leann Tilley (LaTrobe University)  
**Trafficking of the cytoadherence-mediating protein to the host cell surface in malaria parasite-infected erythrocytes**

Bernd Kalinna (The University of Melbourne), Paul Brindley (Tulane University)  
**Transduction of *Schistosoma mansoni* using Boudicca, an endogenous retrotransposon of schistosomes**

Brendan Crabb, Stuart Ralph (Walter and Eliza Hall Institute of Medical Research)  
**Epigenetic control of antigenic variation in *Plasmodium falciparum***

Alex Maier, Melanie Rug (Walter and Eliza Hall Institute of Medical Research)  
**Functional genomic analysis of exported DNA J molecules in the malaria parasite *Plasmodium falciparum***

Tim Davis, Harin Karunajeewa, Ivo Mueller, Kevin Batty, Prof Ken Ilett (The University of Western Australia), A/Prof Stephen Rogerson (The University of Melbourne)

## **Antimalarial drugs in pregnancy: preclinical and clinical studies of conventional and novel agents**

### **WHO/TDR**

Malcolm Jones & Geoff Gobert (Queensland Institute of Medical Research)  
**A hidden antigen approach to schistosomiasis vaccination.**

### **DANA PROGRAM IN HUMAN IMMUNOLOGY**

Donald McManus, Queensland Institute of Medical Research, Yuesheng Li, Hunan Institute of Parasitic Diseases (China) & Thomas Wynn, National Institutes of Health (USA)

### **Immunopathogenic Mechanisms in Human Schistosomiasis**

#### **Awardees:**

Congratulations to all the successful researchers!

(If there are any other awardees out there, who we have inadvertently missed, please let us know).

#### **Awards**

#### **[2] Network Travel Award Winners**

Congratulations to the most recent Network Researcher Exchange, Training and Travel Award winners:

- **Dr. Catherine Miller**, IBID Research Fellow, University of Technology, Sydney, who participated in a Researcher Exchange with visit Prof. Emanuela Handman's *Leishmania* Laboratory at the Walter and Elisa Hall Institute in Melbourne for the purpose of training in the safe handling of the *Leishmania* parasite in October 2006.
- **Miss Mieke Burger**, PhD student in Marine Parasitology, The University of Queensland will attend the Fish Histopathology Workshop at the University of Tasmania in December 2006.

## **Profiles**

### **[3] Prof Nick Sangster**



*Congratulations to Professor Nick Sangster who was awarded an Australian Society for Parasitology (ASP) Fellowship at the ASP & Network Annual Conference in July this year for his outstanding contributions to the science of parasitology. Nick was the Editor-in-Chief for the International Journal for Parasitology from 2003-2006, and is now a Specialist Editor for the journal. In September 2006 Nick became Professor in Veterinary Pathobiology, at the Division of Veterinary Science, Charles Sturt University, Wagga Wagga NSW. In a candid interview, Lisa Jones talks to Nick about being an ASP Fellow, his Network Travel Award and his recent move to Wagga Wagga, NSW.*

#### *1. Tell me about your area of research?*

Nick researches anthelmintic resistance in sheep nematodes. His aim is to improve the understanding and the means of diagnosis and he has used resistance as a tool to develop research on worms. Nick says that his studies on sheep parasites using worms are unique. He is also interested in the host-parasite relationship and controlling sheep parasites.

#### *2. How did you become involved in parasitology research?*

Nick says, "I fell into parasitology". His first experience of a parasite was on Macquarie Island, a subantarctic island located in the Southern Ocean, when he was 17 years old. Nick picked up a dead penguin that had ticks under its feathers and wondered at how a tick could survive in such extreme and amazing temperatures (the Island's mean temperatures for summer and winter are 7.0° C and 3.3° C respectively) and 150m below the surface of the Antarctic Ocean.

Nick says that, even though he was always interested in animal disease (his primary training is as a veterinarian), he always knew he wanted to be a researcher; a feeling confirmed half-way through his vet science degree when given the opportunity to spend a year conducting research.

---

ARC/NHMRC Research Network for Parasitology, Institute for the Biotechnology of Infectious Diseases, University of Technology, Sydney, PO Box 123, Broadway, NSW, 2007, Australia. Telephone: +61-2-9514 4006; FAX: +61-2-9514 4201; E-mail: [Lisa.Jones@uts.edu.au](mailto:Lisa.Jones@uts.edu.au) Website: <http://www.parasite.org.au/arcnet>

Supported by the Australian Research Council, the National Health and Medical Research Council and the Australian Society for Parasitology.

### 3. *What interests you about working in this area?*

Nick says that, "Parasitism is a fundamental aspect of biology and I am interested in the opportunity to control parasites. It is a tough field to study. Internal parasites are the biggest problem of sheep and as a researcher it is hard to make much impact. These parasites are difficult to study - other parasites attract better resources and tools – but I have a fascination with the field and the nature of parasites and the intimate relationship they have with their host."

### 4. *Tell me about your Network Travel Award and what part it has contributed in your research work?*

Nick says, "I really enjoyed my Network Researcher Exchange; it was a wonderful experience. I worked with some of the best scientists in the world and the Network has helped to bring these researchers together."

During his Network Researcher Exchange Nick spent one month at The Walter and Eliza Hall Institute of Medical Research (WEHI) to gain skills in genome annotation and look at global tools for genomic mapping; and one month at CSIRO Livestock Industries in Brisbane on the sheep genomics programme.

Nick's time at WEHI was spent using a computer programme to look for gene targets within the *Haemonchus* genome (a sheep parasite). This genome will be fully sequenced by the end of the year. Nick will use a component of the genome in his research. He worked with Terry Speed's Bioinformatics group and Nick says, "It was great to be immersed in this research – this group are one of the best in the world." WEHI have a range of locally developed tools that Nick can use in his current research.

Whilst working at CSIRO Livestock Industries in Brisbane, Nick worked with scientists he has previously collaborated with; he used the CSIRO online sheep genomics programme to browse sheep and cattle genomes and looked at individual genes. Nick is interested in the host-parasite relationship, especially the gene products sheep use to deal with parasites.

### 5. *How do you see your research career developing in the future?*

Nick has recently moved to Charles Sturt University at Wagga Wagga campus to head up Pathobiology at the new veterinary school. Nick says, "I will have better access to animals like sheep, cattle, and horses for my studies and will use both farm and lab animals." Nick described the different types of animal studies within his research as a combination of epidemiology and field work and the highly controlled research conducted in the laboratory. Nick says, "The two are very different but lab work will help with developing diagnostics and this can be applied directly to the field. I can see the paddock from my window." Nick is excited about the rural focus for this vet school. He says,

---

ARC/NHMRC Research Network for Parasitology, Institute for the Biotechnology of Infectious Diseases, University of Technology, Sydney, PO Box 123, Broadway, NSW, 2007, Australia. Telephone: +61-2-9514 4006; FAX: +61-2-9514 4201; E-mail: Lisa.Jones@uts.edu.au Website: <http://www.parasite.org.au/arcnet>

Supported by the Australian Research Council, the National Health and Medical Research Council and the Australian Society for Parasitology.

“Because the students all have ‘bush’ backgrounds, this vet school will be building up a stock of people who have rural experience with good links to the local community. This will enable us to address and raise a range of broad issues in veterinary research that we haven’t come across previously. We will look for opportunities to study parasites that cause major production loss but not necessarily a lot of deaths.”

*6. Tell me about moving to Wagga.*

When asked about the decision to move to Wagga Wagga, Nick says, “I wanted a change - I’d been in Sydney for 30 years and I saw this as an opportunity for new challenges. The undergraduate programme will be problem-based, students will be mainly from rural areas, and we will be setting up research to address rural issues and problems, which will help research right across the veterinary field. With all of the resources invested in this school, I will be able to conduct lab and field research, mentor staff (we have a young team), and put a lot of effort into helping to establish a brand new programme. This is an inland university and I see research in veterinary science as a way of building the University’s research profile.”

*7. Tell me about your involvement with the ASP?*

Nick joined the ASP in 1978 as a student member and says that, “The leading goal of the ASP is to support young people and those who drive the ASP have that philosophy. I found that ASP members were very encouraging and supportive from the very first scientific meetings I attended.” Nick was President of the ASP in 1999 and has been involved in the ASP Council for many years. He says, “The ASP has supported many great things and this has led to the creation of the ARC/NHMRC Research Network for Parasitology.” Nick was part of the original committee who helped to form the ARC/NHMRC Research Network for Parasitology and, he says, “It is great to see the Network develop true to its original aims.”

*8. Tell me about the highlight of your science career so far?*

Nick says, “Actually, a lot of great things have happened in the past 6 months. I was offered a chair at both The University of Sydney and Charles Sturt University on the same day; the International Journal for Parasitology impact factor that came out was amazing – this was the result of a team effort at an international level and helped me look for my next challenge; and I treasure being awarded an ASP Fellowship especially as I look up to Fellows of the ASP.”

*9. How does it feel to be made an ASP Fellow?*

Nick says, “Personally and professionally being made an ASP Fellow is the best thing; I am delighted – especially as I hold the ASP in such high esteem – it is just wonderful. Professionally, it means that I don’t have to prove

anything and can concentrate on what I want, and need, to do as a research scientist. Being an ASP Fellow is recognition of contributions to the Society as well as parasitology generally; it is not just about achievements directly related to your job but about attitudes and involvement”

*10. What would you like to do in the future?*

Nick says, “I want to focus on the next generation of parasitology researchers. Parasitic problems are difficult to solve and I have skills that I’d like to pass on. I think every researcher’s history and approach to solving scientific problems is unique and that it will take more than one mind to solve parasitic problems.”

Nick’s aim is to help foster an interest in parasitology research in the next generation of undergraduate students. He says, “Veterinarians need to be in research but they tend not to do it; most are attracted to the clinical work. I think of myself as a scientist first, and then a veterinarian. If I can get vets interested in research and link research and clinical practice I think that is the best approach. We will then be applying the full breadth of science knowledge to veterinary science.”

*We thank Nick for his continued support of the Network and wish him all the very best for his move to Charles Sturt University - we’ll look forward to welcoming new Network members as his team at Wagga grows. Congratulations Nick for being awarded the status of ASP Fellow.*

#### [4] Network Travel Award for Rob Walker



(Rob helping at our Network parasitology exhibition during Science Week)

*Rob Walker is a PhD student based in IBID (Institute for the Biology of Infectious Diseases) at the University of Technology, Sydney. Rob won a Network travel award and in February 2006 visited Dr Malcolm Jones at QIMR (Queensland Institute for Medical Research) as part of his research.*

*Tell me about your area of research?*

I'm researching a parasite called *Eimeria*, the parasite that causes coccidiosis in chickens. Previously I have worked with *Toxoplasma*. My PhD focuses on the sexual stage development of *Eimeria maxima*.

I find parasites like *Eimeria* very interesting and my PhD research is very broad because there is so little known at the molecular and genetic level about *Eimeria*, so there is a lot of knowledge to be gained.

*How do you see your research developing in the future?*

My research focuses on stopping the spread of disease; once we gain more information about sexual stage gene expression this work will become more specific. We will have some new targets that may help to combat *Eimeria* infections and stop the spread of disease; specifically to stop transmission between the hosts.

*How has the Network travel award helped your research develop?*

The Network travel award enabled me to travel to Brisbane where I worked with Dr Malcolm Jones and was able to access state-of-the-art equipment so that I could focus my research on a specific sexual stage of *Eimeria*. The technique I used was laser microdissection and pressure catapulting (LMPC) which enabled me to target specific cell types and gain information about their gene expression. This was a fantastic technique and Mal has a lot of expertise in this area.

*What advice do you have for other Network scientists who want to apply for a travel award?*

---

ARC/NHMRC Research Network for Parasitology, Institute for the Biotechnology of Infectious Diseases, University of Technology, Sydney, PO Box 123, Broadway, NSW, 2007, Australia. Telephone: +61-2-9514 4006; FAX: +61-2-9514 4201; E-mail: Lisa.Jones@uts.edu.au Website: <http://www.parasite.org.au/arcnet>

Supported by the Australian Research Council, the National Health and Medical Research Council and the Australian Society for Parasitology.

Apply for a Network travel award, it was a fantastic experience for me, it could just give you the edge you need for your research.

Working with new people is really important, each scientist will have a different point of view and I always try to be open to new ideas. I think that it's important to pay attention to what other scientists in the Network are doing; most people will be happy to help you if you ask.

*What advice do you have for science students who are considering parasitology as a career?*

It is good to be passionate about parasitology, and the technologies around these. To enjoy parasitology I think you need to be open-minded and prepare to be multi-disciplinary because you will learn a broad range of techniques. Parasitologists need to think about the overall aim of their research and think holistically about the parasite/parasitic disease because something that a veterinarian tells you might be as important as something that a statistician tells you.

*What do you see as the benefits of being part of the Network?*

The Network encourages people to communicate more between laboratories, it encourages collaborations. Being part of the Network has enabled me to get help from people with great expertise.

*Tell me about the highlight of your science career so far?*

Achieving good results from decisions that I personally made about my project. I'm very lucky to be supported by people who have encouraged me to direct my own research. Over the 24 months of my PhD I've realised that I am becoming an expert in my specific area of research, and this is a scary, but liberating, concept.

*What would you like to do in the future?*

Finish my PhD (that's not trivial), then travel and maybe work overseas as a post doc. I enjoy research, there are a lot of empowering things about it, I like the creativity of being a scientist, and I want to continue to be challenged by my research in the future.

*We wish Rob all the best in his future and hope to hear more about his exciting research career in parasitology over the next few years.*

## **Conferences**

### **[5] Preliminary Program - IMED 2007**

The first International Meeting on Emerging Diseases and Surveillance will take place in Vienna, Austria - February 23~25, 2007

See the IMED website <http://imed.isid.org> for updated program information. The abstract deadline is December 1, 2006, via the online abstract submission page

[http://ww2.isid.org/abstracts/Conference\\_login.lasso?cid=022](http://ww2.isid.org/abstracts/Conference_login.lasso?cid=022)

### **[6] 13th International Congress on Infectious Diseases, Kuala Lumpur, Malaysia June 19 – 22, 2008**

The Preliminary Program and Call for Abstracts will be available in April 2007. In order to receive the Preliminary Program you must return the registration card included in this announcement or send an e-mail with your complete mailing address to [info@isid.org](mailto:info@isid.org)

For further information please contact the International Society for Infectious Diseases

web site: [www.isid.org](http://www.isid.org)

e-mail: [info@isid.org](mailto:info@isid.org)

phone: (617) 277-0551

fax: (617) 278 -9113

## **Positions vacant**

### **[7] Research Chair (Level E) in Molecular Parasitology at Charles Sturt University (CSU), Wagga Wagga**

A Research Professorship is available within the newly formed Division of Veterinary Science at CSU in Wagga Wagga. This is one of 10 Strategic Research Chairs appointed to help expand research activity across CSU campuses. A molecular scientist is being sought to fill this position.

The campus lies in a regional centre of 60,000 people which is half way between Sydney and Melbourne. It has excellent air connections to both cities and good recreational and educational opportunities. The Vet program in Wagga has several characteristics which make it unique in Australasia. This undergraduate program at CSU has accepted a mandate to train veterinarians with skills and attitudes particularly suited for working in rural Australia after graduation. A separate undergraduate course in Animal Science starts in 2007. Staff have been appointed across a range of veterinary disciplines to develop and deliver an excellent curriculum in undergraduate education, postgraduate training and research. In addition to first class teaching facilities,

there are plans for further development of teaching spaces and research laboratories.

Veterinary Parasitology has been identified as a strength and a research focus. The parasitology group currently consists of two academic staff (Nick Sangster and Tiggy Grillo) and other staff have worked in the field and are potential collaborators. A research laboratory is being refurbished and equipped for molecular work. Other PC2 laboratories and other laboratory space are available for research and a new, fully equipped and staffed Veterinary Diagnostic Laboratory is due for completion in early 2008. CSU owns 1000 ha. of farms immediately adjacent to the site with sheep, cattle and horses plus appropriate facilities. Animal holding facilities are also available and laboratory animal facilities are planned.

The professor will be expected to develop research activities in the area of molecular parasitology and lead a team of researchers. Ability to interact with other staff and activities is essential as is a record in obtaining research funds and publication. Development of molecular diagnostics for use in the diagnostic service and provision of molecular skills to the group are examples of some desirable activities. The current interests of the staff are in helminth parasites of sheep, cattle and horses including the development of molecular tools and understanding molecular population structure. Other field-based research is planned. Scientists with interests in these areas, overlapping fields or complementary areas within the broad field of veterinary parasitology are encouraged to apply. Teaching is not a requirement of the position, but the Professor can contribute if desired.

Interested scientists are encouraged to contact Professor Nick Sangster on the numbers below to discuss the position or lodge an expression of interest, in the first instance. CSU is flexible in the nature of the appointment and will consider options such as full time continuing or shared positions. Further information about the University and Division of Veterinary Science within the School of Agricultural and Veterinary Sciences is available on <http://www.csu.edu.au/faculty/sciagr/sag/>

Enquiries:  
Professor Nick Sangster  
[nsangster@csu.edu.au](mailto:nsangster@csu.edu.au)  
(02) 69334107  
0411 026 827

### **[8] Research Scientist (Molecular Parasitology) at the QLD Department of Primary Industries & Fisheries**

Please see the attached link for a position at the QLD Department of Primary Industries & Fisheries, Molecular Bioscience Technologies, Emerging

---

*ARC/NHMRC Research Network for Parasitology, Institute for the Biotechnology of Infectious Diseases, University of Technology, Sydney, PO Box 123, Broadway, NSW, 2007, Australia. Telephone: +61-2-9514 4006; FAX: +61-2-9514 4201; E-mail: Lisa.Jones@uts.edu.au Website: <http://www.parasite.org.au/arcnet>*

*Supported by the Australian Research Council, the National Health and Medical Research Council and the Australian Society for Parasitology.*

Technologies Delivery for a Molecular Parasitologist to work on tick vaccine development.

<http://www.jobs.qld.gov.au/search/JobDetail.asp?jobid=65653>

The closing date is Monday, 20 November 2006. Applicants are encouraged to apply online. For further details please contact Dr Ala Lew by telephone +61(0)7 3362 9502 or email [ala.lew@dpi.qld.gov.au](mailto:ala.lew@dpi.qld.gov.au)

### **[9] Postgraduate position – malaria research at Trinity College Dublin**

A postgraduate position is available in the Malaria Research Group at Trinity College, Dublin. The project will investigate novel mechanisms of resistance to antimalarial drugs coming into use in Africa and is in collaboration with Dr. Alexis Nzila of the KEMRI/Wellcome Trust Centre, Kilifi, Kenya. Some travel to Kenya will be required. The position is available from 1 April, 2007 or by arrangement, for one year in the first instance, renewable up to a total of three years subject to satisfactory progress. A stipend and fees are provided. Minimum requirements are a good honours degree or equivalent in a molecular-biological subject.

Applications, including a CV, brief statement of career plans and contact details of 2–3 referees, should be sent as soon as possible to **Ms. Jayne Magovern** at the Dept. of Microbiology, Moyne Institute of Preventive Medicine, University of Dublin – Trinity College, Dublin 2, Ireland or by email [magoverj@tcd.ie](mailto:magoverj@tcd.ie)

Informal inquiries can be addressed to **Dr. Gus Bell**, tel. 01-896 1414, e-mail [abell@tcd.ie](mailto:abell@tcd.ie).

### **[10] Visiting Research Assistant / Associate Professor at the National Research Center for Protozoan Diseases, Obihiro University of Agriculture and Veterinary Medicine, Japan**

Applications are now invited for a Visiting Research Assistant / Associate Professor (depending on the qualification) at the Unit of Molecular Epidemiology and Protozoan Pathogenetics headed by Professor Dr Panagiotis Karanis at the National Research Center for Protozoan Diseases (NRCPD) of the Obihiro University, Japan.

Current lines of work include “Development of vaccines and drugs for the treatment of parasitic diseases, including methods of molecular biology, cell biology, and genome and proteome research”. Applicants with strong backgrounds in Medical Parasitology, molecular biology/genetics or medicine who are interested to work in an interdisciplinary environment are particularly encouraged to apply.

---

*ARC/NHMRC Research Network for Parasitology, Institute for the Biotechnology of Infectious Diseases, University of Technology, Sydney, PO Box 123, Broadway, NSW, 2007, Australia. Telephone: +61-2-9514 4006; FAX: +61-2-9514 4201; E-mail: [Lisa.Jones@uts.edu.au](mailto:Lisa.Jones@uts.edu.au) Website: <http://www.parasite.org.au/arcnet>*

*Supported by the Australian Research Council, the National Health and Medical Research Council and the Australian Society for Parasitology.*

Qualified applicants should send a short curriculum vitae and three letters of reference to: Professor Dr P. Karanis, National Research Center for Protozoan Diseases (NRCPD), Obihiro University of Agriculture and Veterinary Medicine, Inada-cho, Obihiro 080-8555, Japan Tel:+81-155-49-5644, fax: +81-155-49-5643, E-mail: [Karanis@obihiro.ac.jp](mailto:Karanis@obihiro.ac.jp)

**[11] Lecturers/Senior Lecturers in the Institute for the Biotechnology of Infectious Diseases (IBID) and the Department of Medical and Molecular Biosciences (MMB) at the University of Technology, Sydney**

These two positions will be based within the Department of Medical and Molecular Biosciences (MMB) and the Institute for Biotechnology of Infectious Disease (IBID). They are an excellent career progression for candidates who can demonstrate the ability and experience to teach into the Medical, Biomedical and service teaching programs of the Department and develop a research program within IBID, including the supervision of honours and postgraduate research projects.

Salary range:

Lecturer: \$66,254 to \$78,659 pa.

Senior Lecturer: \$81,109 to 93,368 pa.

The application closing date for these positions is Monday 4 December 2006 and the positions are available from January 2007.

Please go to the UTS website for further information and to apply [http://www.hru.uts.edu.au/employ/aca\\_vac.html](http://www.hru.uts.edu.au/employ/aca_vac.html)

If you have any parasitology news stories please contact me by email [Lisa.Jones@uts.edu.au](mailto:Lisa.Jones@uts.edu.au) or telephone 02-95144006.

**Please send me items for the next newsletter by 27 November 2006.**

Best wishes,

Lisa  
Communications Coordinator,  
ARC/NHMRC Research Network for Parasitology