



Assoc. Professor  
Tailoi Chan-Ling

## President's Report Tailoi Chan-Ling

How time passes. It is already one year since the 7th World Congress for Microcirculation was held in Sydney and I hope all concerned have recovered from this great effort. The feedback we have received for both the scientific and social program have been nothing short of fantastic. For such a small society, we should be very proud of the high standard we achieved. As you will see from

the Treasurer's report, the congress was also a financial success. This legacy should make possible some special initiatives to enhance the Scientific/Social program of our future bi-annual National meetings.

I took over from Michael Perry as President of the Society after the World Congress and I would like to take this opportunity to say a special thank you to Michael for steering the Society over the years. It was his foresight that led to our society making a bid to host the World Congress at Munich in 1996 and it would be an accurate summary to say that this World Congress consumed a good part of his professional and personal life for the 12-18 months preceding the congress. His low key, relaxed style of leading was much appreciated by all.

The World congress resulted in some new faces joining our ranks and it is crucial that we maintain this vibrant energy into the future. Jay Browning has kindly agreed to chair the organising committee for the next ANZMS annual meeting which is planned for Thursday 11th September, 2003 to Sunday 14th September, 2003. Jay has selected the wonderful location of Fraser Island for this meeting. We are dependent on the general membership to encourage students, young and old investigators to

attend our meeting and to organise scientific symposia. Do give this some serious consideration, as traditionally, our meetings have centered around a number of symposia with additional oral and poster free communications. Also, please let Jay know if you have any international visitors who may be in Australia during September, 2003. A further matter for consideration. This year in Melbourne, will be the first FASEB style meeting in November where many societies will hold their meeting under this joint banner. Our American counterpart have taken this route and hold their annual meeting with Experimental Biology and APS. Proponents of this style of meeting appreciate the greater opportunity for

interaction with the wider cardiovascular community while others yearn for their "own" meeting where is more "collegial and close knit". We shall wait for feedback after November this year and it can be a matter for discussion at our next AGM in 2003.

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*"the World congress resulted in some new faces joining our ranks"*

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Many societies now have a webpage. If you feel this would be a useful initiative and more importantly, if you are a talented website designer and are willing to host this website, do let us know. I would also like to encourage members to use this society newsletter to pass on any successes or news. Our Secretary, Chris Jackson should be heartily congratulated for his success in the first round of NHMRC Development Grants for 2002.

Finally, could I please encourage everyone to renew their membership promptly. It is critical that we increase the number of financial members of our society in order to fund our initiatives and to support the running costs for this society. Your prompt renewal will save additional resources to send out reminders at a later time.

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Australian and New Zealand Microcirculation Society

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# Treasurer's Report

James Brock



Dr James Brock

*"the Society made a profit of about \$45,000."*

The accounts for the World Congress are now complete and I am able to report that the Society made a profit of about \$45,000. This money is now being invested. We intend to use some of these funds to support Symposia organized by society members at the next World Congress of

Microcirculation. We will also be using the interest from the investments to augment the Society Prizes. Apart from the World Congress account, the Society has a cheque account (\$4833.82) and a term deposit (\$8714.78). The accounts for 2001-2002 are given below. As we have to present accounts to the Department of Fair Trading (NSW) on an annual basis, I will be e-mailing Society members for their approval of these accounts. My intention, with the agreement of the Society, is to close the term deposit when it next matures and combine it with the World Congress funds and invest the total in higher interest schemes.

## Statement of receipts and payments for the period 18/8/2001-30/6/2001

### Receipts

Interest Term acct	\$222.43
Credit acct	\$3.46
Subscriptions	\$840.00
<b>Total</b>	<b>\$1065.89</b>

### Payments

Meeting expenses	\$101.48
<b>Total</b>	<b>\$101.48</b>

### Credit for period

18/8/01-30/6/02	\$964.41
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### Cash to account for:

Opening balance	\$12584.19
Credit	\$964.41
<b>Closing balance</b>	<b>\$13,548.60</b>

### Represented by:

230350030748(Term acct)	\$8714.78
230300905842(Chq. acct)	\$4833.82
<b>Total</b>	<b>\$13,548.60</b>

To this sum we will add the proceeds of the World Congress which stand at \$50,566.90 (includes \$5195.41 contribution from Society). These accounts need to be professionally audited before being finalised.

# International Congress

Michael Perry



Assoc. Prof Michael Perry

The Seventh World Congress for Microcirculation, held at the Sydney Convention and Exhibition Center, Darling Harbour was a great success on a number of accounts: firstly the organising committee were not called on to sell their homes to pay for a loss, we in fact made a modest profit. Mercifully none of us were sued, and although we fought a bit on occasions we survived the experience and still like each other. Many of the distinguished and some of the not so distinguished delegates said that the science, the venue and the technical arrangements were all excellent. I personally am very happy it is over and pleased to report that the angina has now abated.

To host a Congress requires a group of dedicated people to give very freely of

themselves if it is to be a success. The organising committee did this and that is why it was successful. I am eternally grateful to Tailoi and James for organising the scientific program, to James for keeping us more than solvent and for dealing with the blasted GST, to Grant McPherson for our website which was excellent, to Tim Neild for looking after sponsorship amongst other things, to Joe Simonetta for organising the social events, to Chris Jackson for help in many different areas and to Dirk Van Helden who came down from Newcastle for our meetings and to Nick Hunt for his scientific contributions, his professorial presence and for an after dinner speech that was, to use the words of Darth Vader "most impressive".

## David George Garlick BSc, MB BS, PhD 1933-2002

David Garlick was a renowned microcirculationist and founder of the Australian and New Zealand Microcirculation Society. He was a man with a passion for distance running and cycling and a somewhat Irish attitude towards authority-it was something to be challenged. In latter years he developed interests in sports physiology and produced a highly acclaimed distance education course in sports medicine.

David matriculated from Brisbane State High School and after flirting with an arts degree completed Medicine at Sydney

University. He then went to Canberra where he did his PhD in the Department of Experimental Pathology with Colin Courtice, one of the world's foremost experts on lymph and the lymphomyeloid complex.

David returned to Sydney where he joined the Pathology department for several years (1964-66) before going on an ANU postdoctoral Travelling Fellowship to work with Gene Renkin at Duke University. They investigated blood-lymph transport of macromolecules in the dog's paw and contributed very significantly to the pore theory of capillary permeability. Renkin and Garlick predicted two populations of pores across the capillary wall, small pores of 4nm radius and large pores of 80 nm radius. The also calculated possible contributions of the pinocytotic vesicles located in the endothelial cell wall to transcapillary transport. After leaving Renkin's laboratory David travelled to Copenhagen to work with Christian Crone on the movement of small solutes across the capillary wall using the multiple indicator dilution technique. Both of the studies with

Renkin and Crone are landmark papers in the area of microvascular permeability. Such was the standing of the Renkin & Garlick study that the data were re-analysed by many different investigators over the years to develop various aspects of pore theory.

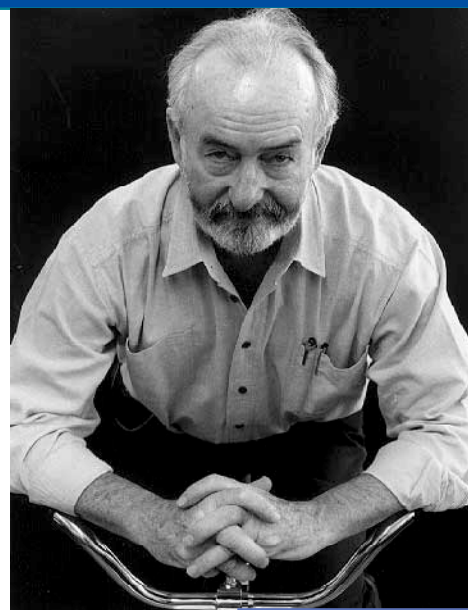
In 1980 David organised the first meeting of the Australian and New Zealand

Microcirculation Society at Little Bay in Sydney. The second meeting of the Society he organised at Leura in the Blue Mountains.

This was a satellite of the IUPS meeting held in Sydney in August 1983. Subsequent meetings of the ANZ Microcirculation Society were held in 85 in Adelaide in conjunction with Lymphology; 87 at UNSW in Sydney; 89 at ANU, Canberra; 91 in Lorne, Victoria; 93 at Little Bay, Sydney; 95 in Auckland, New Zealand; 97 St

Vincent's Hospital Melbourne; 99 Stamford Grand Hotel, Adelaide and in 2001 the Society hosted the World Congress at Darling Harbour in Sydney. Despite the fact that David left the field of microcirculation in 1975 to follow his interests in sports physiology he continued to be heavily involved with the Society until 1999. Without his enthusiasm and drive and his personal contact with people in microcirculation and related areas the society would not have been founded.

David was great company and a fine scientist. He enjoyed social occasions and was a clever after dinner speaker, a tradition which he introduced into the society. He will be sadly missed by all his colleagues and friends. David is survived by his ex-wife Marina, their daughter Mia and his partner Gwen Harrigan.



Dr David Garlick

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*"In 1980 David organised the first meeting of the ANZ Microcirculation Society"*

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# Forthcoming Meetings



Kingfisher Bay  
Resort

## ANZ Microcirculation Society Scientific Meeting 2003

### Venue:

Kingfisher Bay Resort, Fraser  
Island, Queensland  
(<http://www.kingfisherbay.com>)

### Proposed Dates:

Thurs 11<sup>th</sup> - Sun 14<sup>th</sup> Sept, 2003.



Indian Head, Fraser  
Island

Society Dinner Saturday night,  
with scheduled break Saturday  
afternoon (array of options  
including, whale watching,  
bush walking, 4wd to  
swimming lakes).

### Symposium organising chair:

Jay Browning  
([J.Browning@gu.edu.au](mailto:J.Browning@gu.edu.au))  
Anatomy & Physiology, School  
of Health Sciences,  
Griffith University-Gold Coast,  
Parklands, Southport QLD  
Phone: 07-55528936  
FAX: 07-55528908



Whale watching,  
Frased Island

## 8th World Congress for Microcirculation to be held in 2007

The 7th World Congress for  
Microcirculation was held in Sydney last  
year. Usually held each 5 years years, the  
council of the Microcirculatory Society,  
USA, has agreed to move the date of the  
next World Congress for Microcirculation to  
the year 2007. This move was negotiated to  
avoid conflicting with the biennial meeting  
of the European Society for  
Microcirculation that will be held in  
Amsterdam in summer 2006 and also to  
avoid conflict with the IUPS Congress that  
will be held in San Diego in spring 2005.

Circulate



## Australian Health and Medical Research Congress

The first Australian Health & Medical  
Research (AH&MR) Congress will be  
held this year in Melbourne.

### Web address:

<http://www.ahmrcongress2002.conf.au/>

**Venue:** Melbourne Exhibition and  
Convention Centre

**Date:** Nov. 25-29 2002

## The British Microcirculation Society 40th Annual Spring Meeting

Sessions on angiogenesis, renal micro-  
circulation, NO, blood brain barrier,  
endothelial cell biology, cell-cell and  
cell-matrix interactions, tumour microv-  
asculature, diabetes, inflammation and  
lymphatic biology

### Web address:

[http://www.microcirculation.org.uk/  
Symp2003.html](http://www.microcirculation.org.uk/Symp2003.html)

**Venue:** University of Bristol, UK

**Date:** 7th - 8th April 2003

## 5th Asian Congress for Microcirculation

### Web address:

[http://www.circulationasia.com/  
main.htm](http://www.circulationasia.com/main.htm)

**Venue:** Manila, Philippines

**Date:** February 20-22, 2003

# Scientific Profile

## Suzanne Campbell



Suzanne Campbell

Suzanne Campbell is in the final year of her PhD in the Renal Research group, Kolling Institute of Medical Research at Royal North Shore Hospital, Sydney.

Sue joined **Professor Eileen Gallery's research group** in 1993 as a research assistant where her initial role was to examine the production of vasoactive agents from endothelial cells isolated from the decidual layer of the uterine wall of normal and pre-eclamptic women.

Sue explains that "Pre-eclampsia is a hypertensive disorder of pregnancy that occurs in approximately 7% of first pregnancies in Australia and is a major cause of both maternal and fetal morbidity and mortality. This multifactorial, multi-systemic disorder classically manifests in the third trimester with clinical features reflecting widespread maternal vascular dysfunction, due to endothelial cell activation and damage. The disease is initiated, however, with faulty placentation resulting from reduced

placental cytotrophoblast invasion of the uterine vasculature."

Much of Sue's PhD work has focussed on the role played by matrix metalloproteinases in normal and abnormal placentation. "In collaboration with colleagues from the Sutton Arthritis Research Laboratory, we developed a *in vitro* bilayer co-culture model to study cell-cell communication

between maternal decidual endothelial cells and placental cytotrophoblasts from normal and pre-eclamptic pregnancies." Sue said. "Using this model, we have provided evidence of maternal-fetal cell interactions that could contribute to the control of

placentation in normal pregnancy, and that suggest a maternal role in reduced cytotrophoblast invasion and inadequate placentation in pre-eclampsia".

**Suzanne Campbell won the New Investigators Award for her presentation of this work at the 7<sup>th</sup> World Congress for Microcirculation, 2001.**

***"Pre-eclampsia occurs in approximately 7% of first pregnancies"***

## We want your contribution

Future editions of Circulate will have new sections including:

- ◆ Positions vacant
- ◆ Scholarships available
- ◆ Recent breakthroughs

In addition, this information will be emailed, as acquired, on a monthly basis to Microcirculation members. We encourage all members to take advantage

of this free service and **welcome any contributions from Society members, in these areas or any categories, especially "Scientific Profile" and "Upcoming meetings"**.

Short stories should be 100-300 words - include images as jpg files. Articles should be forwarded to Dr Chris Jackson ([cjackson@med.usyd.edu.au](mailto:cjackson@med.usyd.edu.au))

# Contacts



## PRESIDENT



### **Tailoi Chan-Ling**

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University of Sydney NSW 2006

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Research Interests: Angiogenesis, mural cell biology, retinopathies

## VICE-PRESIDENT



### **Tim Neild**

Department of Human Physiology,

Flinders University

GPO Box 2100

Adelaide South Australia 5001

Tel: 08-82045304 FAX: 08-82045768 email: [tim.neild@flinders.edu.au](mailto:tim.neild@flinders.edu.au)

Research Interests: endothelium and smooth muscle in arterioles, electrical coupling between cells

## SECRETARY



### **Chris Jackson**

Sutton Arthritis Research Laboratories

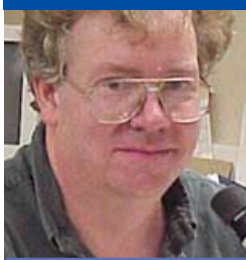
Royal North Shore Hospital

St Leonards NSW AUSTRALIA

Tel: 02-99266043 FAX 02-99266269 email [cjackson@med.usyd.edu.au](mailto:cjackson@med.usyd.edu.au)

Research Interests: Angiogenesis, matrix metalloproteinases, wound healing, arthritis

## TREASURER



### **James Brock**

Prince of Wales Medical Research Institute

High st, Randwick NSW 2031

Tel: 02-93822711 FAX 02-93822723 email: [j.brock@unsw.edu.au](mailto:j.brock@unsw.edu.au)

Research Interests: Neural control of the vasculature

## PAST-PRESIDENT



### **A/Prof. Michael Perry**

School of Physiology and Pharmacology

University of New South Wales

Sydney 2052 AUSTRALIA

Ph. 61-2-9385 2556 Fax 61-2-9385 1059 email: [M.Perry@unsw.edu.au](mailto:M.Perry@unsw.edu.au)

Research Interests: Gastrointestinal Microcirculation and Inflammation

# Join Now!

The Microcirculation Society aims to further scientific research in all aspects of microcirculation. We especially encourage PhD students and young scientists to join.

**Join now and receive membership till the end of 2003.** Benefits for members of the ANZ Microcirculation Society include:

◆ Discounts are offered for registration costs to attend the ANZ Microcirculation Scientific Meeting

◆ Being a smaller, specialised society, ANZ Microcirculation meetings allow more time for relevant scientific and social interaction between participants

◆ Student members are eligible for **travel scholarships** to attend the ANZ Microcirculation Scientific Meeting. As

the Society is financially well-placed, new scholarships are expected to be quite generous

◆ Free advertisements for positions vacant, scholarships, equipment for sale etc, in "Circulate" and via email

◆ Receive an email copy of Society's newsletter "Circulate"

## **IMPORTANT NOTE**

*At present the number of financial members of the Society has fallen to 22 and I would encourage all those interested to confirm their membership by payment of their dues . Those uncertain of their membership status can contact me at [j.brock@unsw.edu.au](mailto:j.brock@unsw.edu.au)*

*James Brock, Treasurer*



Australian and New Zealand Microcirculation Society  
c/- Dr C Jackson  
Sutton Laboratory  
Royal North Shore Hospital  
Tel: 02 99266043  
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## I wish to (re)join the ANZ Microcirculation Society

Mr/Mrs/Dr/Ms/Miss \_\_\_\_\_

Address \_\_\_\_\_

Tel( ) \_\_\_\_\_ Fax( ) \_\_\_\_\_ email \_\_\_\_\_

Research Interests \_\_\_\_\_

Please tick the appropriate boxes:

\$40 for regular membership until 31st Dec 2003

OR  \$10 for student membership until 31st Dec 2003

Please find enclosed a cheque

OR  I have transferred the money\* to:

"The Australian and New Zealand Microcirculation Society" BSB 062303 Acct No. 00905842

Signature \_\_\_\_\_

Please complete this form and send (or \*email the information) to:

**The Treasurer, Dr James Brock**  
Prince of Wales Medical Research Institute  
High st, Randwick NSW 2031

