

President

Prof. David Allan
The University of Sydney
president@auaps.org.au

National Secretary

Prof. J.W. Lynch
The University of Queensland
secretary@auaps.org.au

Treasurer

A/Prof. Peter Thorn
The University of Queensland
treasurer@auaps.org.au

Editor & IT Manager

Hon A/Prof. Dave Davey
ITmanager@auaps.org.au
editor@auaps.org.au

Webmaster

Dr Annick Anselin
webmaster@auaps.org.au

Associate Editor

Dr. Simon Potocnik
RMIT University
newsletter@auaps.org.au

Student Representative

Mr. Donny Camera
RMIT University
Donny.camera@rmit.edu.au

Councillors

Dr. Livia Hool
The University of Western
Australia
lhool@cyllene.uwa.edu.au

A/Prof. Lea Delbridge
The University of Melbourne
imd@unimelb.edu.au

Dr Kate Murphy
The University of Melbourne
ktmurphy@unimelb.edu.au

Dr. Robyn Murphy
La Trobe University
r.murphy@latrobe.edu.au

Prof. Daniel Markovich
The University of Queensland
d.markovich@uq.edu.au

A/Prof. Matthew Watt
Monash University
matthew.watt@med.monash.edu.au

Dr. Yue-kun Ju
The University of Sydney
ju@physiol.usyd.edu.au

Public Officer

Dr. Robyn Murphy
La Trobe University
r.murphy@latrobe.edu.au

Letter from the President

The recent AGM in Sydney confirmed my election as the new President for a 3 year term. I am honoured but also harbour some feelings of trepidation. Honoured because this feels like the culmination of my 40 year love affair with physiology and research; trepidation because my crystal ball is somewhat murky and my platform for the future is not as clear as it should be.

Let me start by thanking David Adams who has been a high profile and active President making important contributions to the increased membership, helping to maintain and improve our annual meetings and providing a strong international role.

For those who do not know me, let me give a short potted history since we all see the future filtered through our past experiences. I discovered physiology at school in London triggered by A level Zoology, which was lamentably lacking in functional thinking, and by reading in the local library, which had a surprisingly catholic collection. I entered Medicine at University College in London in 1964 and, more or less on my first day, was exposed to Andrew Huxley asking me how to calculate the capacitance of a nerve fibre. This was a revelation to me; Medicine was not just Anatomy and examining patients, but needed the physical and chemical sciences for a deeper understanding. Muscle was the best represented subject at UCL and it engaged my interest immediately and permanently. After completing medicine, and working for one year in hospitals, I had no hesitation in returning to UCL to do a PhD with Brian Jewell on cardiac muscle. An early and formative experience was my first communication to the Physiological Society. This is always a stressful experience preceded by much practising and usually accompanied by crises, such as the



slides that stick in the projector and learning to communicate and fight a hangover simultaneously. We also suffered the indignity of having our communication voted on by the Society; more an existential than a practical concern but certainly helped to maintain focus when preparing for those tricky questions.

From those early days my commitment to physiology has rarely faltered. I came to Australia in 1989 and have been a member and regular participant at AuPS meetings ever since. University College and the University of Sydney have each provided a nurturing environment for research and I have always tried to use my teaching as an opportunity to put over the excitement and fascination of understanding of how animals work.

So is AuPS on the right track and where should we be directing our limited resources? I am sure we are right to put so much of our energy into trying to get the format of our annual meetings right. We have experimented with stand-alone meetings, meetings with one other society and the national meetings with multiple societies and all

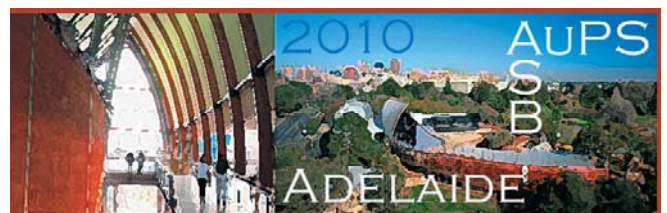
have valuable attributes as well as draw backs. I am sure we should continue to explore these and other formats. Our continuing focus on providing opportunities for students to learn about science, to make their contributions in a supportive but critical environment and to provide career advice is essential. Perhaps our focus on teaching, both as a necessary skill and as a way of attracting bright young minds to biomedical research, could be strengthened. Those who heard David Attwell's Physiological Societies Exchanger Lecture know it was a superb development from simple basic ideas to complex experimental approaches to blood flow regulation in the brain. This lecture started life as an outreach lecture sponsored by the Physiological Society for school children. As a Society we could do more to excite young minds and I suspect many of us would be happy to occasionally engage in the process. I'm pleased that the tradition of the teaching symposium is reasserting itself at the forthcoming Adelaide meeting and look forward to learning about their Science Teaching Outreach.

The internationalisation of science continues to intensify. The formal commitments of AuPS are

to IUPS and FAOPS where we are represented by Caroline McMillen and David Cook respectively. We need a continuing focus on the IUPS and FAOPS meetings and activities to ensure that our international connections continue to strengthen and develop.

My commitment is to work with the Council to help in the development of all these activities. Please let me or other Councillors know if you see problems or ways to improve our Society. With the concerted efforts by all of us, our second 50 years as a Society can be as successful as our first 50 years.

David Allen
president@aupps.org.au



The Australian Physiological Society Council, 2010.

Student Representative Profile

Donny Camera has commenced the second year of his PhD at the Royal Melbourne Institute of Technology (RMIT) University, Bundoora campus. He is working with an established team of exercise physiologists led by Professor John Hawley.

Donny has a wide ranging interest in exercise from his own performance on the football field to the changes in human muscle glycogen content and the impact an appropriate training regimen can have. His research project centres on the interactions between diet, resistance and endurance training and intracellular muscle, protein activation and glycogen content.

The work is providing key information about the sort of diet and training required to produce the optimum performance for each individual.



Eulogy for Emeritus Professor Michael Roberts

On the first of January 2010, Michael Roberts passed away.

Michael had an exceptional knowledge of science across many disciplines. Partly because of this, but also because of his analytic mind, he was known for his penetrating and incisive questions at seminars on a wide range of topics – and was somewhat feared by postgraduate students from a range of areas who perceived that he understood their projects better than they themselves did!

Michael was deeply committed to Science education and was universally regarded by students and colleagues as an excellent teacher. In 2002 he was awarded The Stephen Cole The Elder Prize for Excellence In Teaching, the highest teaching award in the University of Adelaide.

His attention was particularly focussed upon the BSc course. The esteem in which he was held was manifest when his second-year Science class was informed of his illness. There was an absolute avalanche of emails from the students expressing concern and support.

He decided about 15 years ago that didactic teaching, particularly in the practical class, was ineffective. He and Garry Scroop therefore developed the student-centred research practical concept which was subsequently awarded “Best Practice” standard nationally, and for which they won a national teaching award. This approach has been adopted widely both at Adelaide and nationally.

His commitment to teaching caused him to become Associate Dean for Learning and Teaching in the Faculty of Science, a position that enabled him to press for structural changes in L & T in the Faculty.

Michael very much enjoyed socialising and throughout most of his career, late Friday afternoon drinks with an ever-changing group of students and colleagues at the University Club were a highlight of his week. Fortunately, he adhered to his long-standing practice of taking the train home to Brighton after these occasions.

Michael had been planning and preparing for his retirement for several years. He had progressively built, but not quite finished, a house in the bush near Cambrai, and was aiming to spend much of his retirement there.

He particularly loved the arid environment in which his house was located.

He was diagnosed with a brain tumour a few weeks before his retirement date. From that point on, his major concern was to ensure the welfare of his family after his death. In particular, he was desperately keen to finish the house so that his family could enjoy using it. He finally achieved this about 2 months before his death, which was the source of great satisfaction to him. Despite understanding only too well the implications of his condition, he remained positive although completely realistic about his death sentence. I never once saw any evidence of self-pity or anger.

His personal life was occasionally turbulent, and, although he and his wife Margaret separated some years ago, they remained good friends and, at the end, he returned to live with Margaret who cared for him lovingly.

He is survived by Margaret, his children Tracy, Ben, Christopher and Kate, and a number of grandchildren.

Timothy Miles

This is one of many eulogies for a person who was clearly loved and respected by many.

<http://diseaseoftheweek.wordpress.com/2010/01/03/a-eulogy-for-emeritus-professor-michael-roberts/#comments>

The University of Adelaide and the Australian Physiological Society wish to propose “**The Michael Roberts Excellence in Physiology Education Award**” in memory of Professor Michael Roberts.

The inaugural award will hopefully be made this year. The recipient will be the keynote speaker of the Education Symposium at the 2010 AuPS Meeting in Adelaide.

The award is to recognise excellence in either physiology teaching or research into physiology education.

This award is timely given the increase in accountability, research and diligence in Physiology Education and the on going commitment from our society.

Editor



**ASMR Medical
Research
Week®**

4 - 11 June 2010

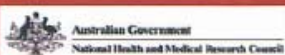


SAVING LIVES

SAVING MONEY

Sponsored by:

**Major National Sponsors
of ASMR MRW® 2010**



Invitation

ASMR Medical Research Week® Dinner 2010

7:00pm for 7:30pm start

Thursday 10th June

Grand Ballroom

Hilton on the Park, Melbourne

The Victorian Branch of the Australian Society for Medical Research (ASMR) invites you to share and enjoy the fellowship of the health and medical research community at our annual gala dinner.

The Keynote Speaker and ASMR medalist for 2010 is *Baroness Susan Greenfield CBE Hon FRCP*, Professor of Pharmacology at the University of Oxford.

Cost: \$110/ head (tables in settings of ten) includes GST and three course meal with drinks

Dress: Lounge Suit

**To reserve your table, fax this form to 03 9329 1777
or book online - www.asmr.org.au/MRWVic.html**

Tickets will be issued on receipt of full payment.

Please email dietary requests to Claire Bucklow cb@asnevents.net.au

Institute/Department: _____

Mailing Address: _____

Contact Person: _____

Phone: () _____ Fax: () _____

Email: _____

No. of tickets _____ @ \$110 Total Cost \$ _____

Payment Method:

Cheque enclosed

Made payable to: ASN Conferences P/L - ASMR MRW

and mailed to ASN Events, PO Box 200, Balnarring, VIC 3926 – WITH THIS FORM

Please email Tax Invoice, att: _____

Email: _____

and quote order number (if applicable): _____

Credit card (Visa or MasterCard) by completing the following details:

Card Number: _____

Expiry Date: _____ / _____ Amount: \$ _____

Cardholder Name: _____

Cardholder Signature: _____

Meetings in 2010

Adelaide 28th Nov to 1st Dec, 2010

DECEMBER 2010

National Wine Centre, South Australia

The joint meeting of
the **Australian
Society for Biophysics &
the Australian
Physiological Society**

AUPS/ASB ADELAIDE



5th Australian Health & Medical Research Congress

2010 Date: 14 - 18 November 2010

Melbourne Convention & Exhibition Centre

A call for abstracts and registrations will be made soon.

Meeting website <http://www.ahmrcongress.org.au/> for registration rates and instructions on how to submit your abstract.

International Conference on Integrative Medicine. October 2010 Jerusalem.

The scientific committee of the convention is still open to accept additional topics to the conference program.

More details and information in English, German, French, Spanish and Russian

Are available in our site: www.mediconvention.com

ANZCCART conference July 2010

Hobart from July 20-22.

The Bureau of Animal Welfare will again be providing funds for a number of registrations for Victorian independent AEC members to attend the ANZCCART conference - this year.

See the ANZCCART website for further details on the conference.

Baker IDI Heart & Diabetes Institute in collaboration with Elsevier
the second Asia Pacific Conference on the Metabolic Syndrome (APCMS)

"Asian Perspectives on a Global Health Challenge"

6 to 7 November 2010. Singapore.

New Synchrotron and Neutron Users Symposium 2010

Friday 9 July 2010

Auditorium, Monash Centre for Synchrotron Science

770 Blackburn Road, Monash University Clayton Campus

Renal Physiology Meeting

Queenstown, New Zealand, **29-30 August, 2010**,
Official satellite of the Queenstown Molecular Biology Meeting.

For more information, please go to; www.qmb.org.nz

AuPS Sustaining members



This issue of AuPS News was compiled by Simon Potocnik with many thanks to the generous contributors.
The next issue of AuPS News will be distributed to members in September 2010. All contributions for AuPS News should be sent to: newsletter@aps.org.au by the end of August, 2010.

Meetings in 2011

Perth AuPS meeting 2011

This will be a combined meeting with **ASCEPT and HBPRCA** and so should be a week of scientific presentations of considerable interest to a wide range of AuPS members. The meeting is planned for the week beginning Sunday 4th December and there will be a number of shared sessions and symposia as well as dedicated sessions for the individual societies involved. AuPS and ASCEPT will run as is traditional, from Sunday to Wednesday. The local organizing committee consists of staff from The University of Western Australia (Associate Professors Livia Hool and Lynette Fernandes and Professor Don Robertson).

We urge all AuPS members to support this meeting. AuPS meetings in Perth have traditionally been an opportunity for participants to not only attend the meeting but to go on to enjoy the climate, beaches and many other tourist attractions that "The West" has to offer.

Heart to Heart: from Access to Action

Invitation and Call for Abstracts

**The third Heart Foundation Conference to be held in Melbourne,
17 - 19 March 2011.**

Melbourne, Convention and Exhibition Centre, will host leading international and Australian presenters to showcase key clinical, research, and public health perspectives on cardiovascular disease.

The program will span primary prevention through to reduction of risk factors, and treatment and ongoing management of cardiovascular disease. Already, six outstanding international speakers and ten leading Australian speakers are confirmed for the program.

The public health stream of the program will cover areas such as Aboriginal and Torres Strait Islander heart health, tobacco control and smoking cessation, overweight and obesity, physical activity and sedentary behaviour, and healthy eating.

The research and clinical practice stream will cover topics including acute coronary syndromes, chronic heart failure, management of clinical risk factors such as lipids and hypertension, arrhythmias, thrombosis, and more. In addition, there will be a focus on quality use of medicines, and on state of the art devices and imaging

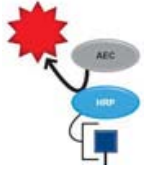
Call for abstracts is now open

<http://www.heartfoundation2011.org/abstract.asp>

ANNOUNCEMENT OF FAOPS COUNCIL

The FAOPS Council has consulted council members and representatives of relevant societies and decided that the 7th FAOPS Congress to be held in Taipei and the 8th FAOPS Congress to be held in Thailand will be **postponed to 2011 and 2015**, respectively.

What secondary detection method will help you today?



1. Enzymatic and biotin detection

Check out our most popular secondary antibodies tested in:

- **WB:** HRP conjugated polyclonal antibodies
- **ELISA:** Biotin or HRP conjugated monoclonal and polyclonal antibodies
- **ICC/IF and IHC:** HRP conjugated polyclonal antibodies

Browse our [full list of secondary antibodies](#) at www.abcam.com



2. Fluorescent detection

FITC is the most common dye used in immunostaining.

- View our most popular FITC conjugated goat secondary antibodies tested in **ICC/IF** or **IHC**
- Investigate our labeled secondary antibodies suitable for **Flow Cytometry** at www.abcam.com

3. Contact your local distributor:

In Australia:

Sapphire Bioscience Pty. Ltd.

Ph: +61 2 9698 2022 Fax: +61 2 9698 1022
sales@sapphirebioscience.com

In New Zealand:

Sapphire Bioscience (NZ) Ltd.

Ph: 0800 532 476 Fax: 0800 532 478
nz.sales@sapphirebioscience.com