



SOCIETY FOR FREE RADICAL  
RESEARCH  
(Australasia)



NEWSLETTER March, 2003

<p><i>President</i></p> <p><b>MICHAEL DAVIES</b> The Heart Research Institute 145 Missenden Road Camperdown, NSW 2050 AUSTRALIA Phone: +61-2-9550-3560 Fax: +61-2-9550-3302 E-mail: m.davies@hri.org.au</p>	<p><i>Treasurer</i></p> <p><b>DES RICHARDSON</b> Professor and Program Head Children's Cancer Institute Australia PO Box 81, High St, Randwick, Sydney New South Wales, 2031 Australia Phone: +61-2-9382-1813 Fax: +61-2-9382-1850 E-mail: d.richardson@ccia.org.au</p>
<p><i>Secretary</i></p> <p><b>PAUL WITTING</b> Centre for Thrombosis and Vascular Research School of Medical Sciences University of New South Wales UNSW, 2052 AUSTRALIA Phone: 61-2-9385-1377 Fax: 61-2-9385-1389 E-mail: p.witting@unsw.edu.au</p>	<p><i>President-Elect</i></p> <p><b>IAN DAWES</b> Dept. Biochemistry and Molecular Genetics University of New South Wales UNSW 2052 AUSTRALIA Phone: +61-2 9385-2089 Fax: +61-2-9385-1050 E-mail: i.dawes@unsw.edu.au</p>

The Executive would like to thank all those who have contributed to this issue of the Newsletter. Special mention should be made to the efforts of Roger Truscott and the Organising committee for the successful **SFRR(A) 2002 Meeting**: details and reports on the event are enclosed in this Newsletter. As always, the Executive will continue to keep members informed of recent and up-coming events in Australasia and elsewhere around the globe via the the current 2003 "Diary". Please feel free to submit relevant articles to the Secretary if you wish the information to be made available to the members of SFRR(A). A membership form for 2003-2004 is attached to the back of this Newsletter. Membership fees are due by July 31, 2003.

---

### From the President.....

As foreshadowed at the AGM held in Sydney in Dec 2001, the Society has now effected a merger with the Sydney Free Radical Group Inc. This merger has brought a number of benefits to the Society:

- We are now an Incorporated organization with Paul Witting as Public Officer.
- Our bank balance has increased quite dramatically putting the Society on a much sounder financial footing.
- Through Incorporation we have Public Liability insurance that makes organising meeting far less stressful for the people concerned. Many thanks are due to Peter Southwell-Keely for his sterling efforts on this matter. As part of this process we have applied for, and been accepted as, a GST-exempt, not-for-profit, charity with our own business number (ABN) – this makes getting donations from companies much easier.

We have also moved our website from its former location to a new server (which is at the Heart Research Institute) and we have a new URL which is hopefully easier to remember: [www.sfrra.org](http://www.sfrra.org)

The revamp of the website is not yet complete, but links to this new site have been created on a number of sites (e.g. other SFRR regions, Oxygen Club of California). Suggestions for other organisations that might host links to our site are most welcome. We are currently looking for a keen person to maintain this site, which will not involve a large amount of work (and training can be provided): **if anyone would like to volunteer please get in touch with Mike** via the address given on the first page of this newsletter

The International committee have met twice during the year (in Paris at the Biennial meeting, and at the Oxygen Society meeting). Amongst the business discussed have been funding arrangements for future meetings, and the location of the next two Biennial meeting: Argentina in 2004 and Switzerland in 2006. Further details on plans for our own meetings are given in the minutes of the meeting held in Wollongong. These plans have been updated recently by our Japanese colleagues and it gives me great pleasure to announce that the **'Second Joint Meeting of the Society for Free Radical Research (Australasia) and the Society for Free Radical Research (Japan)'** will be held in conjunction with the **'Satellite Symposium of the 3rd International Conference on Food Factors'** and the **'Evidence-based Food Factor Forum in Kyoto 2003'** - in Kyoto, 4-7th December 2003, under the joint title: **'International Joint Meeting on Food Factors and Free Radicals in Health & Disease' (FFFR 2003)**. A Flyer announcing the meeting is included in this Newsletter and further details and information on travel awards to attend this meeting will be sent out to the membership in due course.

One further matter is the recent decision of the Oxygen Society (SFRR Americas) to change its name: this organization has now renamed itself as the "Society for Free Radical Biology and Medicine". This change was brought about by a desire to bring the name of the organization closer to that of the journal, and also to broaden the scope of the society away from its (nominal) focus on oxygen-derived species.

Michael Davies  
President SFRR(A)

---

## International Joint Meeting on Food Factors and Free Radicals in Health & Disease (FFFR2003)

Period: December 4 – 7, 2000

Venue: Kyoto Park Hotel, Kyoto, JAPAN,

Language: English

### Organising Committee

**Presidents :** Hajime Ohigashi, Micheal J. Davies, Toshikazu Yoshikawa

**Secretary General** Yuji Naito

### **Program Committee**

Kazuki Kanazawa , Junji Terao

Shinya Toyokuni, Koji Uchida

**Hideo Yamagishi, Yorihiro Yamamoto**

**Masaaki Yoshikawa**

### **FFFR2003 Registration Secretariat**

C/o JTB Communications, Inc.

Sankei Bldg. 7F, Umeda 2-4-9,

Kita-ku, Osaka 530-0001

JAPAN

Tel:+81-6-6348-1391\_Fax: +81-6-6456-4105

E-mail: [fffr2003@jtbc.com.co.jp](mailto:fffr2003@jtbc.com.co.jp)

### General Information

**KYOTO – The Host City:** Kyoto, the seat of the Imperial Court and ancient capital of Japan for over 1000 years, retains a rich heritage and remains the cultural center of Japan with over 2000 temples and shrines including 17 UNESCO World Heritage Sites. This modern, yet historical city with its magnificent mountain backdrop provides the perfect setting for our conference.

**Scientific Program – The Aim and Scope:** FFFR2003 will feature four days of scientific communications, consisting of Special Lectures, Plenary Lectures, oral sessions and poster sessions.

FFFR2003 will cover the roles of functional food science and free radicals in health (physiology) and disease (pathology) in humans, animals, microorganisms and plants.

### **Social Program**

All participants and accompanying persons are invited to attend the Meeting Welcome Reception and banquet.

---

## Final word on WOLLONGONG 2002

It was with a sense of mild trepidation, at least from the conference organiser (!), that the 2002 annual meeting of the Australasian Society for Free Radical Research commenced in Wollongong on Dec 14. On this occasion the organising committee had endeavoured to broaden the scope of the meeting in an attempt to have as many biological fields represented as possible. Considering the vast, and growing, number of systems in which radicals and oxidants / antioxidants are implicated this was not too difficult a task. Thus we saw presentations on topics ranging from exercise, plant photobiology, and yeast genetics, to cardiovascular and Alzheimer's disease – even (surprisingly) to cataract!

In order to help him recover from jet lag, Tony Kettle was scheduled as first speaker and, while I do not remember all of his data, everyone in the audience did vividly recall the image of a snotty nose.

There were too many excellent talks, and too little space here, to summarise them individually, but as one who listened to all the talks, I was very impressed by the overall quality of both the presentations and the science underpinning them. High quality posters were also evident and it was a difficult task for the panel to select winners.

My thanks, and those of the other committee members, go to all of the presenters. On my part I would like to also express my thanks in print to Paul Witting, secretary of SFRR(A), and to the committee members: Mike Davies, Des Richardson and Peter McLennan for their invaluable assistance, encouragement and support. Peter's friendship with a winemaker from Penfolds assured that the conference dinner was going to be a hazy success and the chefs at Food for Thought contributed to a fantastic evening. As Ulf Brunk was heard to say on leaving the restaurant "I have never attended a conference dinner with so much choice on the menu".

There are many people who contribute to the success of a meeting such as this, but one in particular deserves special thanks. Susan McGinty handled most of the problems that arose with ease and even managed to complete some experimental work toward the end of her PhD at the same time. She assured me on many occasions that everything would turn out fine, and on the afternoon of the 16<sup>th</sup>, when the conference finally ended, she was proven right !

Roger Truscott

### Chairman 2002 Organising Committee

---

#### *Prof. Roger Dean awarded SFRR(A) Distinguished Service Award*

At the SFRR(A) meeting in Wollongong, Prof. Roger Dean (now Vice-Chancellor and President, University of Canberra) was awarded the second SFRR(A) Distinguished Service Award. This award was launched in 2001 to recognize outstanding service to both the Society and the field of free radical research. As many readers will be aware, Roger served as President of the Society in the early 90's and was the chairperson of the organizing committee of the highly successful 7<sup>th</sup> Biennial meeting of the International Society for Free Radical Research which was held in Sydney in November 1994. In addition to these high profile roles, he also gave unstinting support to the society in many different ways, has (and hopefully will continue to) attend virtually every meeting the society had ever held, and fostered and encouraged many younger scientists entering the field. He also organized and provided, via his role as Director of the Heart Research Institute in Sydney, much practical and financial help for the Society and its meetings. A thoroughly well deserved award.

Prof. Jan Gebicki, a long standing colleague and collaborator, adds the following more personal comments on Roger's early days in Australia:

“When I first met Roger in Sydney in the late eighties he was choosing between a chair at Sydney University and the starting up of a new Research Institute for studies of cardiovascular disease from scratch. It was clearly not an easy decision – even the idea of becoming a New Australian had to be part of it – and he was exploring the views of many people. I thought that the Directorship would be a more challenging but also potentially more rewarding position and it may be that the balance of other views was similar, reinforcing Roger’s decision for the HRI. The rest is history. One other vivid memory is of a meeting, shortly after the start of his appointment, when Silvia and I heard Roger playing one of his compositions in the rehearsal hall at the Opera House. It was a novel experience both for us and for the grand piano, a testimony to Roger’s talent and energy for which he is justly famous.”

---

### **2002 Conference overview from a conference delegate perspective (Carole Firth , Canterbury, NZ)**

The 2002 SFRR Australasia conference was a time of firsts for me – first overseas conference, first free radical conference and first visit to New South Wales. It was also an opportunity to finally put faces to the names of the many free radical scientists I have heard about through my reading.

Indeed, the opening day was perfectly designed for meeting people, with ample time for registration and a leisurely lunch. A welcome reception/poster session that evening provided a pleasant end to the day and gave students, in particular, the chance to display their latest research in a relatively informal and friendly atmosphere. The posters were of a high quality and incredibly varied, in terms of both styles and topics, which included method development, clinical studies and everything in between these two extremes. It confirms (for any supervisors who may doubt it) that we students actually do work very hard!

The remainder of the conference focussed on oral presentations, which were divided into nine sessions and included a number of invited speakers from throughout the world. These sessions ran smoothly, with speakers giving professional presentations and staying within their allotted times (something bound to keep the audience on side). Talks often complemented the posters and, not surprisingly, also covered a rich array of topics. It certainly reinforced the wide-ranging impact free radicals have in biological systems, something that is easy to forget when we are in our own laboratories researching our own area of interest.

The oral presentations held something for everyone, with subjects ranging from transition metals and radiation-induced damage to various diseases and therapeutic approaches. Jeff Coombes’ overview on exercise and oxidative stress was intriguing but, unfortunately, has still left me with no reasonable excuse to avoid moderate levels of exercise! For those of us accustomed to considering only the negative aspects of free radicals, Kevin Downard’s talk was also fascinating. The potential of using free radicals on a millisecond time-scale, to probe protein structure and folding, certainly provides a novel function for these highly reactive species.

After a busy day of talks, the conference dinner was much anticipated. The drink flowed, the menu offered a wide selection of food (once again, something for everyone) and the company was excellent. Before I knew it, the evening was over and, by mid-afternoon the next day, the conference had also come to an end. It was all over for another year and, I am sure, the organizers breathed a sigh of relief that the conference had been such a success.

---

## **Minutes from the 2002 AGM**

Convened Sunday, December 15 2002 at the McKinnon Building, University of Wollongong, NSW, AUSTRALIA.

Meeting opened at 5.40 pm –

The President Mike Davies welcomed all delegates attending the XI th annual meeting of the SFRR(A) and thanked those attending the meeting for giving their time to attend the AGM. The President proposed that the meeting follow the agenda he detailed in his opening statement.

### **1. Apologies.**

Roland Stocker  
Christine Winterbourn  
Jan Gebicki  
Trevor Mori

### **2. Matters arising from the previous minutes as published in the January 2002 issue of the Newsletter.**

None

President called for a general acceptance that the minutes were a true and accurate account of the events from the previous AGM.

Member accepting - Peter Southwell-Keely  
Second - Kevin Croft

### **3. Presidents Report**

Mike congratulated the Australasian Branch for the number of abstracts submitted to the International meeting, citing a significant representation from our society – our region contributed 6 major talks, numerous posters, and 22 delegates, which is very impressive given the distance involved and the size of our society. This degree of representation is a very positive affirmation of the high standing in which the science being carried out by members of the Society is held at the international level. He encouraged the membership to continue to support both the branch and International meetings of SFRR as this is important to ensure a high profile for researchers in our region.

Mike then went on to briefly outlined the events of the SFRR International meeting held in Paris the previous year summarising the outcome of the elections for the positions made vacant by the out-going Executive.

<b>President:</b>	Kelvin Davies (currently President-Elect)
<b>President-Elect:</b>	Catherine Rice-Evans (President from 1 <sup>st</sup> January 2005)
<b>Secretary-General:</b>	Angelo Azzi
<b>Treasurer:</b>	Henry Forman.

In regional news Mike indicated that the web-site for the local Australasian branch had now been transferred from the Department of Pathology, University of Sydney. He thanked Prof. Nick Hunt for the efforts he had made in establishing and maintaining the site over the last 4 years.

The SFRR(A) web-site is now located at [www.SFRR\(A\).org](http://www.SFRR(A).org)

Mike then went on to canvas the members present at the AGM in search of a custodian to regularly up-date the newly appointed web-site. After some discussion and with no volunteers forthcoming it was suggested that the duties fall to the Secretary. Paul Witting (Secretary) responded that he would be willing to be involved as long as someone with a better knowledge of web-site maintenance were also included on a consulting basis. After some further discussion the matter was not resolved and the issue will be investigated at a later date.

Mike also thanked Peter Southwell-Keely for his efforts in determining the level and type of indemnity insurance that the Society should carry for forthcoming meetings. He noted that up until the Society had become recently incorporated (refer to the Secretary's report) the liability for SFRR(A) meetings had laid with the local organizing committees. However, as SFRR(A) will carry independent insurance from this point onwards those volunteering to organise future meetings can go ahead with the some degree of confidence and peace of mind in relation to the issue of personal liability.

#### **4. *Secretary's report***

- I continue to maintain contact with the body of members via e-mail throughout the year. E-mail continues to be the preferred medium to disseminate information and the Society has now ceased to offer hardcopies of the Newsletter or other correspondence to members.
- As reported by the President, the transfer of SFRG to SFRR and the Incorporation of the latter society (#Y1704435) has gone ahead. In view of this action, I have contacted the Department of Fair Trading (NSW Consumer Protection Agency) to notify the agency that Roland Stocker (formerly of the Heart Research Institute) has vacated his position as Public Officer of SFRG. The newly appointed Public Officer of SFRR (A) Inc is now Paul Witting (Centre for Thrombosis and Vascular Research, UNSW).
- As requested by the President I am currently collating past Newsletters in electronic format with the aim to establish an archive of publications from SFRR(A). This archive will be made accessible to the public through a link within the web-site for SFRR(A).

## **5. Treasurer's Report for the SFRR (Australasia)**

### **Summary of Accounts as of 13<sup>th</sup> December, 2002**

**Opening Balance: (from last Treasurer's report of 23/8/02) = \$58,981.42**

#### **Income:**

Subscriptions from 23/8/02-13/12/02: \$347.84

#### **Expenditure:**

Service Fees: \$25.30

Setup of SFRR(A) Website 23/10/02 \$100

Registration of SFRR(A) Domain name 2/12/02 \$138.60

Conversion of NZ to Aus \$: \$14

**Current Balance of all accounts (Including Term Deposits) as of 13/12/02: \$ 59,051.36**

#### **Comments:**

- i. Bank fees of \$7 AUS were again charged for each subscription that was in New Zealand dollars. This needs to again be examined. This problem was noted in my last three Treasurer reports.
- ii. Some individuals are sending in membership forms without payment. These persons have been notified that their applications will not be processed until payment is made.
- iii. Memberships should be paid by cheque or money order. Cash will not be accepted.
- iv. A total of \$40,000 is in Term Deposit Accounts. This is to take advantage of the far greater interest offered. The money can be withdrawn at any time for a small fee.
- v. Subscriptions for 2002 were slightly down on 2001. Subscriptions for 2003 should now be actively sought from members. A membership drive should be commenced to attract new people to the society.

## **6. Future Meetings**

**2003** - Mike opened discussion on the proposed return joint meeting of the SFRR(J) + SFRR(A). He indicated that given the success of the inaugural joint meeting held in Sydney, December 2001, SFRR(J) were very keen to reciprocate and hold a similar meeting in Japan. The SFRR(A) members present approved of the idea in principle. Mike reported that at this stage Roland Stocker had contacted the Japanese requesting a date and venue and at this stage the meeting had been set for December 4-7, 2003 at Kyoto.

Mike also indicated that there was a necessity for some degree of revenue raising from members of the SFRR(A) to off-set the costs for students and other researchers to attend the meeting. Mike suggested that he get into contact with Roland Stocker to determine a strategy for the purpose of gathering funds. It is likely that any funds obtained be distributed to SFRR(A) members by a committee convened to assess formal applications for travel bursaries.

Phil Burcham canvassed the membership to determine whether future meetings should be centralised to the major capital cities in Australia and New Zealand. A discussion followed where it was generally agreed that the meetings continue to be moved around the various states and provinces to promote the Society. Mike Davies indicated that Perth (Kevin Croft likely to head the Organising Committee) and Queensland (with

Jirka Neuzil expressing some interest to organise a meeting) were centres that will likely host meetings in the future.

2004 – Tony Kettle committed to organizing the 2004 SFRR(A) meeting. He suggested that a joint Peroxidase/SFRR(A) meeting be held in tandem. Mike Davies suggested that a back-to-back approach may be better with a joint day held for those members of SFRR(A) with an interest in Peroxidase (bio)chemistry. Such an approach would not exclude the attendance of researchers primarily interested in free radical and clinical research. Tony indicated Queenstown, New Zealand, would be the likely venue with a tentative date set for November of 2004. Some opposition was voiced concerning the overlap between University semester and any date during the month of November. Tony indicated he would consider this before announcing a final date for the meeting.

Meeting was adjourned at 6.55 pm.

Paul Witting  
(Secretary)

### **Research Group Highlight**

#### **Genomic and biochemical responses of plants to environmental stress**

*Group Leader:* Barry Pogson (Ph. D)

*Contact Details - Address:*

Dr Barry Pogson,  
School of Biochemistry and Molecular Biology,  
Faculty of Science,  
Australian National University,  
Canberra, ACT,  
Australia 0200

Ph: (+61 2) 6125 0313  
Fax: (+61 2) 6125 5629  
barry.pogson@anu.edu.au

#### ***Main Research interests***

Genomic and biochemical responses of plants to environmental stress

#### ***Teaching Activities***

BIOL1007: Living Cells

BIOL3161: Genomics and its Applications (Convenor and Lecturer)

BIOL3177: Plant Biochemistry and Molecular Biology

#### ***Current Research Group***

Britta Förster - ARC Postdoctoral Fellow, Jan Bart Rossell - PhD Student

Abby Cuttriss - PhD Student, Anthony Millgate - PhD student, joint with CSIRO Plant Industry

Osman Mewett - Honours Student, Christina Spry - Undergraduate Visiting Scholar

#### ***Specific Research Activities***

*Functional Genomics of Environmental Stress:* Stresses such as excess light and drought reduce plant yield and can be lethal. We wish to identify the mechanisms by which plants perceive and respond to environmental or abiotic stress.

The approach utilizes cutting-edge genomic technologies, such as DNA chip arrays and high throughput screening of promoter-reporter gene fusions to identify novel genes and signalling pathways in the model plant, *Arabidopsis* (a member of the mustard family).

Also, we have identified a class of genes in the alga, *Chlamydomonas* that enable it to survive and grow under extreme light. Ultimately, an understanding of these mechanisms will be incorporated into traditional plant breeding programs towards improving crop yield.

*Photosynthesis and photoprotection:* Antioxidants, such as carotenoids and vitamin C (ascorbate) are essential for the survival of plants. We are determining their roles as safety valves against oxidative damage induced during photosynthesis. This program is a combination of biochemical genetics and photophysics.

*Chloroplast Development and Function:* Our work is focused on the characterization of plant pigments, particularly carotenoids and their role in photosynthesis and chloroplast development. Carotenoids are important pigments in photosystems, many fruits, flowers, and seafood. Nutritionally they are the source of vitamin A and offer some protection against certain cancers, heart and eye diseases. Thus, understanding their biosynthesis may lead to improved nutritional value of foods.

The goals are to elucidate the mechanisms that control carotenoid accumulation and chloroplast biogenesis using biochemical genetics. Of particular interest are mutations that alter seedling and chloroplast development.

*Related projects:* Several projects are undertaken by students based in CSIRO, for example, Anthony Millgate is studying the codiene/morphine biosynthetic pathway in poppy and other projects relate to grain development and germination, timing of flowering etc.

### **Select Recent Publications**

Park H, Kreunen SS, Cuttriss, AJ, DellaPenna, D and Pogson BJ (2002) Identification of the carotenoid isomerase provides insight into carotenoid biosynthesis, prolamellar body formation and photomorphogenesis. *Plant Cell* 14: 321-332.

Rissler H, Collakova E, DellaPenna D, Pogson B.J. (2002) Chlorophyll biosynthesis: characterization of the CHL I subunit of the magnesium chelatase in *Arabidopsis* reveals two gene products with different properties. *Plant Physiol.* 128: 1-10.

Pogson B.J. and Morris, S.C. (2002) Postharvest Senescence of Vegetables and its Regulation. IN Noodén, L.D. ed. Programmed Cell Death and Related Processes in Plants, Academic Press, San Diego. (in press).

Rissler H. and Pogson, B.J. (2001) Antisense inhibition of the beta-carotene hydroxylase and nonphotochemical quenching in *Arabidopsis*. *Photosynthesis Research* 67: 127-137.

Niyogi K.K., Shih C., Chow W.S., Pogson B.J., DellaPenna D. and Björkman O (2001). Genetic analysis of xanthophylls involved in nonphotochemical quenching. *Photosynthesis Research* 67: 139-145.

Förster, B Osmond, CB and Boynton (2001) Very high light resistant mutants of *Chlamydomonas reinhardtii*: Response of Photosystem II, nonphotochemical quenching and xanthophyll pigments to light and CO<sub>2</sub>. *Photosynthesis Research* 67: 5-15.

Pogson B.J. and Rissler, R (2000) Genetic manipulation of carotenoid biosynthesis and photoprotection. *Phil Trans R. Soc. B: Biol. Sci.* 355: 1395-1403.

Pogson B.J., Niyogi K., Björkman O., and DellaPenna D. (1998) Altered xanthophyll compositions adversely affect chlorophyll accumulation and nonphotochemical quenching in *Arabidopsis* mutants. *Proc. Natl. Acad. Sci. USA* 95: 13324-29.

Pogson, B.J., McDonald, K., Truong, M., Britton, G., and DellaPenna D. (1996) *Arabidopsis* carotenoid mutants demonstrate lutein is not essential for photosynthesis in higher plants. *Plant Cell* 8: 1627-39

Cunningham, F.X., Pogson, B.J., Sun, Z., McDonald, K., Gantt, E., and DellaPenna D. (1996) Functional analysis of the beta and epsilon lycopene cyclase enzymes of *Arabidopsis* reveals a mechanism for the control of cyclic carotenoid formation. *Plant Cell* 8: 1613-26

---

---

## SFRR Conference Travel Grants

Travel Grants will be provided on a competitive basis to a total value of A\$3000 for attendance at International meetings to be held in 2003. Deadline for submission is April 30, 2003 and applicants will be contacted subsequent to Committee selection. All financial members of SFRR (A) ( $\leq 35$  years of age) are eligible to apply and we welcome applications from Australia and New Zealand. A committee will review all applications, with these being judged on merit relative to opportunity. The decision of the committee will be final and no correspondence will be entered into with any individual applicant. The winner(s) will be notified in person, and transfer of the Travel Award is dependent on proof of acceptance for the abstract submitted.

To apply submit a copy of the abstract for the conference, a full Curriculum Vitae including a complete list of publications, and two reprints to: Dr Paul K. Witting, Secretary, Society For Free Radical Research (Australasia) Inc., Centre for Thrombosis and Vascular Research, School of Medical Sciences, University of New South Wales, UNSW, 2052, AUSTRALIA.

---

### For Your Diary - 2003 - - 2003 -

- April 2-5. 37th Annual Scientific Meeting of the European Society of Clinical Investigation Verona, Italy. For further information please contact: Cogest M. & C. Giovanni Ricevuti, MD, Vicolo San Silvestro 6 Dept. of Internal Medicine and Therapeutics I-37122 Verona University of Pavia – IRCCS Policlinico, san Matteo Italy P.le Golgi 2, I-27100 Pavia – Italy. Phone +39 045 597940 phone +39 0382 502499 / +39 0382 526944, fax +39 045 597265, fax +39 0382 526950, e-mail [cogest@tin.it](mailto:cogest@tin.it), e-mail [g.ricevuti@smatteo.pv.it](mailto:g.ricevuti@smatteo.pv.it) or at [www.genomica.net/ESCI/ESCI.htm](http://www.genomica.net/ESCI/ESCI.htm), <http://labtime.unipv.it/>, <http://www.aacc.org/ia/intmeet.stm> or Homepage: [www.esci.eu.com](http://www.esci.eu.com).
- April 11-15, 2003. Experimental Biology 2003 Meeting, American Physiological Society "Physiology InFocus" Symposium on "Physiological Implications of Oxidative and Nitrosative Stress" (April 12-13, 2003), San Diego, California, USA. The purpose of this symposium is to disseminate state-of-the-art information on the role that oxidative and nitrosative stress plays in regulating mammalian physiology and pathophysiology. Session topics and speakers include: General Overview and Physiological Relevance: Barry Halliwell, Joe McCord, Bruce N. Ames & Joseph S. Beckman. Emerging Concepts in Oxidative and Nitrosative Signaling: Barry L. Fanburg, Kathy Griendling, Jason P. Eiserich & Joan Mannick. Oxidative/Nitrosative Stress and Cardiovascular Consequences: John Keany, Matthew Grisham, Marie-Luise Brennan & Bruce A. Freeman. Oxidative/Nitrosative Stress and Pulmonary Consequences: Benjamin Gaston, Yvonne Janssen-Heininger, Aron B. Fisher & Maret Traber. Other program items of interest at the EB meeting include a workshop on "Methods to Detect Oxidative and Nitrosative Stress" and the following symposia: "Oxidative Stress, Antioxidant Supplementation and Diabetes", "Mitochondria Regulation of Cell Function", "Regulation of Ion Channel Structure and Function by Reactive Oxygen and Nitrogen Intermediates", "Redox Regulation of Renal Function and Arterial Pressure", "The Function and Regulation of Mitochondrially Produced Nitric Oxide in Cardiomyocytes", "Molecular Regulation of Nitric Oxide Synthase Activity", "Redox Signaling of Angiogenic Response in the Heart" and "Functional Genomics and Proteomics of Hypoxia". For more information on these symposia and registration details, please see the following web site: [http://www.faseb.org/meetings/eb2003/call/index\\_reg.html](http://www.faseb.org/meetings/eb2003/call/index_reg.html) or contact Dr. Barbara Horwitz (President of APS) at [bahorwitz@ucdavis.edu](mailto:bahorwitz@ucdavis.edu). Early registration and abstract deadline is February 13, 2003. Reduced registration fees (\$60) for graduate students.
- May 21-24, 2003. Diet and Optimum Health Conference: Hilton Hotel, Portland, OR, USA. Organized by the Linus Pauling

Institute at Oregon State University and co-sponsored by the Oxygen Club of California. Scientific and public sessions will explore the roles of oxidative and nitrate stress, as well as antioxidants, micronutrients and phytochemicals in human health and disease. The second "Linus Pauling Institute Prize for Health Research" (\$50,000 and a medal) will be awarded. For more information, contact the Linus Pauling Institute, Oregon State University, 571 Weniger Hall, Corvallis, OR 97331-6512 USA. Email: [lpi@oregonstate.edu](mailto:lpi@oregonstate.edu); Phone (541) 737-5075; FAX (541) 737-5077. <http://lpi.oregonstate.edu/conf2003/Conference.html>

- June 14-16, 2003. 1st International Conference on cGMP Special Focus on Nitric Oxide/sGC interaction and its therapeutic implications, Leipzig, Germany. GKV-Kongressorganisation mbH., D-63067 Offenbach/Main, Germany. Tel. +49 69 82979418. Fax +49 69 82979433. E-mail: [gkv@gkv-touristik.de](mailto:gkv@gkv-touristik.de). <http://www.cyclicgmp.net>

- June 26-29. Summer meeting of the Society for Free Radical Research- Europe: Free radicals and Oxidative Stress: chemistry, Biochemistry and Pathophysiological. Local organiser: Dimitrios Galaris ([dgalaris@cc.uoi.gr](mailto:dgalaris@cc.uoi.gr)), info: [www.uoi.gr/conf\\_sem/sfrr](http://www.uoi.gr/conf_sem/sfrr)

- July 2-4, 2003. Biochemical Society Meeting. University of Essex, United Kingdom Free Radicals: Enzymes, Signalling and Disease (3 day symposium) Organizers: Chris Cooper (Essex, UK), Mike Wilson (Essex, UK), Victor Darley-Usmar (Birmingham, USA). Superoxide: Production and Destruction (2 day symposium) Organizers: Martin Brand (Cambridge, UK), Tony Moore (Sussex, UK), John Moody (Plymouth, UK). More details can be found on the Biochemical Society's meetings web page: <http://www.biochemistry.org/meetings/>. The Essex meeting itself is on: <http://www.biochemistry.org/meetings/programme.cfm?meetno=679>. Relevant e-mail addresses: Biochemical Society: [meetings@biochemistry.org](mailto:meetings@biochemistry.org), Local organizer (Prof. Chris Cooper): [ccooper@essex.ac.uk](mailto:ccooper@essex.ac.uk)

- November 18-21. 1st International Conference on Polyphenols and Health, Vichy, France. For more information, visit [www.evicevents.com/polyphenols/index.html](http://www.evicevents.com/polyphenols/index.html) or contact conference organizers Christine MORAND, Ph.D. at [cmorand@clermont.inra.fr](mailto:cmorand@clermont.inra.fr).

- November 20-24. 10th Annual Meeting of Society for Free Radical Biology and Medicine (formerly known as The Oxygen Society). Sheraton Seattle Hotel & Towers, Seattle, Washington USA. Abstract submission period: May 1 - September 3, 2003 Registration on-line at [www.oxygensociety.org](http://www.oxygensociety.org). For more information, visit [www.oxygensociety.org](http://www.oxygensociety.org) or contact The Oxygen Society via email at [info@oxygensociety.org](mailto:info@oxygensociety.org) or (925) 472-5904.

- **December 4 – 7, Second co-joint meeting of the Societies for Free Radical Research Australasia and Japan. International Joint Meeting on Food Factors and Free Radicals in Health & Disease (FFFR2003) Venue: Kyoto Park Hotel, Kyoto, JAPAN, contact Secretariat C/o JTB Communications, Inc. Sankei Bldg. 7F, Umeda 2-4-9, Kita-ku, Osaka 530-0001, JAPAN. Tel:+81-6-6348-1391\_Fax: +81-6-6456-4105 E-mail: [fffr2003@jtbcom.co.jp](mailto:fffr2003@jtbcom.co.jp)**

## **- 2004 -**

- April 14-18. 7th International Conference on Plasma Membrane Redox Systems and their Role in Biological Stress and Disease, Asilomar, California, Information: [prunck@pharmacy.purdue.edu](mailto:prunck@pharmacy.purdue.edu)

- September 12-15, 2004. Third International Conference on Metal Toxicity and Carcinogenesis National Institute for Occupational Safety and Health, Morgantown, West Virginia, USA, For further details, please contact Xianglin Shi, Ph.D., Conference Organizer, Tel: (304) 285 6158, Fax: (304) 285 5938, email: [xshi@cdc.gov](mailto:xshi@cdc.gov).

- November 17-21. 11th Annual Meeting, Society for Free Radical Biology and Medicine, Sheraton Frenchman's Reef and

Morningstar Resort, St. Thomas, Virgin Islands. Abstract submission period: May 1 - September 3, 2004 on-line at [www.sfrbm.org](http://www.sfrbm.org). For more information, visit [www.sfrbm.org](http://www.sfrbm.org) or contact The Oxygen Society via email at [info@sfrbm.org](mailto:info@sfrbm.org) or (925) 472-5904.

---

---

**Society for Free Radical Research (Australasia)**  
**2002/3 MEMBERSHIP APPLICATION/RENEWAL FORM: (Due date 31 July 2003)**

**Title:** \_\_\_\_\_ **Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**e-mail:** \_\_\_\_\_

**Research Interests** (short description for the 2000 membership directory):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Annual Fees:**

[ ] Full Membership Aus\$30 / NZ\$35    [ ] Student Membership Aus\$15 / NZ\$17

Please tick the appropriate box above and send a cheque payable to "Society for Free Radical Research (Australasia)" in Australian dollars to:

**Dr Des Richardson, Treasurer, SFRR (Australasia)**  
**Children's Cancer Institute Australia**  
**PO Box 81, High St, Randwick, Sydney**  
**New South Wales, 2031**  
**Australia**

**Members in New Zealand can make membership payments, in New Zealand dollars,** by contacting Dr. Tony Kettle(tony.kettle@chmeds.ac.nz) at Christchurch School of Medicine, PO BOX 4343, Christchurch.

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

**Date:** \_\_\_\_\_

(Student membership only - ask your supervisor to complete the declaration below)

*I confirm that the above applicant is at present a student under my supervision.*

**Name:**

**Signature:**

**Institution:**

**Date:**

---