



Australasian Wound & Tissue Repair Society

VOLUME 4 ISSUE 1

MARCH 2010



EXECUTIVE COMMITTEE

- Allison Cowin
President
- Zee Upton Vice
President
- Geoff Sussman
Treasurer
- Rachael Murray
Secretary
- Pritinder Kaur
- Joe Rothnagel
- Ian Darby
- Hilary Wallace
- Laura Poole-
Warren
- Mark Fear
- Nick Santamaria

INSIDE THIS ISSUE:

2nd AWTRS Conference	2
Grant outcomes	4
CRC bid	5
Upcoming meetings	9
Membership Info	15

March is here which means the AWTRS 2010 (22-24 March) is soon to start! After nearly two years of preparation, the conference committee is excited that the scientific program which is soon to become a reality. “Lots of you will soon be flying in to Perth to learn more about wound and tissue repair – and to have a great time in our beautiful city” says Drs Hilary Wallace and Mark Fear the conference convenors.

Inside this issue of the newsletter you will find lots of information about the conference including updates about the speakers and news about the “Masterclass” workshop. For more information go to pages 2-3 and visit our

conference website <http://awtrs2010.mtci.com.au/> where it is not too late to register for the meeting! The AWTRS AGM will also be held during the conference 12.30pm 24th March. Please come along to show your support for the society.

Also in this issue there is news of successful grant outcomes from the 2009 application round from both the NHMRC and ARC. Also, Professor Zee Upton updates us on the successful CRC bid for a Wound Management Innovation CRC.

Looking forward to seeing you in Perth

**A/Prof Allison Cowin,
AW&TRS President**





AWTRS 2010 ~ 2nd Australasian Wound & Tissue Repair Society Meeting: *Crossing the Boundaries* 22nd - 24th March, 2010, Perth

Two of our international speakers will take us from one end of the tissue repair spectrum to the other. Prof. Paul Martin from Bristol University (UK) will get down to basics with “Studies of wound repair and inflammation in flies and fish and mice”, while Prof. Jeffrey Hubbell from the École Polytechnique Fédérale de Lausanne (Switzerland) will push the boundaries of tissue repair with “Morphogen and material engineering in regenerative medicine”. Our other international speakers, kindly shared with the Australian Wound Management Association Conference, Cees Oomens (Netherlands) and Laura Edsberg (USA/Canada), will take us into the real-world problem of pressure ulcers and the efforts to understand the nature of tissue injury that occurs with pressure. We are also fortunate that so many key Australian researchers from diverse disciplines across the field of tissue repair have generously agreed to be part of the program.

We launch our conference this year with the inaugural AWTRS Master Class led by Paul Martin (UK), Rob Short (SA) and Zee Upton (QLD). Presentations have been selected for in-depth discussion, not normally possible in the main scientific programme. To get the Master Class off to a flying start, Oron Catts, Director of SymbioticA, the Centre for Excellence in Biological Arts (University of Western Aus-



tralia), will consider tissue regeneration from a completely different point of view in his presentation, “A Biased History of Regenerative Bodies, an Artistic Perspective”.

The two days of the main meeting have a great and varied line-up, starting with tissue repair-oriented sessions on inflammation and immunity, fibrosis, regeneration and novel mechanisms. Wednesday applies the science of tissue repair to cutting-edge therapies, wound models, wound diagnostics, and understanding the complexity of chronic wounds.

It's not too late to register, so go online to <http://awtrs2010.mtci.com.au> and have a look at the full program. We look forward to seeing you soon!

Hilary Wallace and Mark Fear (Co-Convenors)

AWTRS 2010 ~ *Crossing the Boundaries*



International speakers include:

Jeffrey Hubbell (Switzerland), is Professor of Bioengineering and Chemical



Engineering at the Ecole Polytechnique Fédérale de Lausanne (EPFL). Trained as a chemical engineer, his research activities are in matrix and morphogen engineering for regenerative medicine and polymer chemistry for

nonviral transfection vectors, drug delivery, and immunotherapy. He is author of more than 250 papers in peer-reviewed journals. He is Associate Editor of *Bio-technology* and *Bioengineering* and Associate Editor of the *Journal of Biomaterials Science, Polymer Edition*. Previous to moving to Lausanne, he taught at the Swiss Federal Institute of Technology Zurich, at the California Institute of Technology, and at the University of Texas in Austin. He holds a BS from Kansas State University and a PhD from Rice University.

Paul Martin (UK) is a Professor of Cell Biology in the Biochemistry and Physiology Departments at the University of

Bristol. He did a Biology Degree at the University of Sussex and studied for his PhD with Dr Julian Lewis at Kings College London and subsequently in Oxford. He set up lab in the Anatomy Dept at Oxford and



then moved to the Anatomy Department of UCL, London for 10 years, where he established models to study scar-free embryonic wound healing in mouse and zebrafish and *Drosophila*. The twin foci of Professor Martin's lab are to analyse parallels between the tissue movements that underlie embryonic development and those of wound healing, and to investigate the genetics and cell biology of wound inflammation, in the search for clues how best to modulate the inflammatory response to prevent scarring as wounds heal.

Grants Update

Congratulations to all our successful members and other wound healing researchers who were awarded grant funding for 2010. Below are some of the successful applications.

NHMRC Project and Development Grants awarded for 2010

Cowin, A, Murrell, D, Arkell, R, Function of Flightless I in the Skin Blistering Disorder, Epidermolysis Bullosa \$517,500

Cowin, A, Zola H, Nicholson I. Development of New Wound Therapy \$529,450

Griesser, H, Short, R, Vasilev, K, Brown, M, Hayball, J, Chemokine Gradients for Directed Migration of Captured Cells and Guidance Of Tissue Engineering \$686,250

Griesser, Prof Hans, Novel Silver Nanoparticle Coatings for the Prevention of Infection of Biomedical Implants And Devices \$451,200

Khew-Goodall, Y, Goodall, G, Proudman, S, Hissaria, P. Identification Of MicroRNAs in Scleroderma \$415,500

Stacey, M, Swaine, D, Middleton, J, Olver, J, Hayes, J, Garber, K, Hendrie, S, Miller, D, Auscan, K. Risk Assessment for Sitting Acquired Pressure Ulcers \$1,646,750

Weiss, A, Elastaderm \$323,747

ARC Linkage and Discovery Grants for 2010

Cooper-White; JJ, Fisk; NM, Grondahl; L, Wolvetang, EJ. Scalable, high throughput microfluidic platforms for tissue specific biomaterials development and tissue genesis \$400,000

Raston, CL, Bond, CS, Dunlop, SA, Swaminatha-Iyer, KL, Wood, FM. . Processing Pearl Nacre for Bio-Nanotechnology \$479,000



Successful Wound Management Innovation CRC



Professor Zee Upton has led a successful CRC bid and below outlines some of the detail of the Wound Management Innovation CRC. Zee will also be updating attendees at the upcoming AWTRS conference on the CRC.

Research Focus

The Wound Management Innovation CRC's (WMICRC) goal is to improve wound healing and quality of life for people with wounds, and provide cost-effective wound care that lessens the burden on the health system. This will be achieved by: improving understanding of the mechanisms of wound healing; developing novel wound products (diagnostics, prognostics, therapies and dressings) and processes (clinical care pathways, prevention strategies, risk assessment tools); and translating best practice wound care into clinical settings. Research will be conducted within 3 end-user driven research programs: Enabling Technologies, Tools and Therapies, and Clinical Application, and

represents the collective multidisciplinary expertise of cell biologists, materials scientists, clinicians, economists, information technologists, health service providers and industry. The combined research, education and communication, and industry engagement outcomes of the WMICRC will transform wound management, delivering social and economic benefits to communities, industry and the healthcare sector.

Areas of Research Expertise

Proteomics; metabolomics; genomics; biofilms and infection control; pre-clinical model development; sensor technology; polymers and advanced materials science; bioactive isolation and production; clinical trials; POC studies; cost effectiveness studies; clinical tool development (risk assessment tools, preventative strategies)

Contact details (at this stage):

Professor Zee Upton
Phone: +61 7 3138 6185
Fax: +61 7 3138 6030

CRC Bid and Message to CRC Members

Essential Participants

Queensland University of Technology
University of South Australia
Curtin University of Technology
CSIRO
Smith & Nephew
Tissue Therapies
Centre Established July 2010, Round
12, 8 years, incorporated, 32 PhD
students, \$34M from CRC funding

Chair: Dr Peter Riddles

Message to CRC Members Attending AWTRS Meeting in Perth

During the AWTRS and AWMA conferences (22 - 27 March 2010) in Perth, the WMICRC will be holding information meetings to update on progress towards a fully operational CRC. The information meetings are intended for WMI CRC participants and their immediate research team members only.

In the two meetings proposed an update on the progress towards establishment of the CRC to date will be discussed including intended Program activities. The framework of the CRC will also be discussed and the connection of the various Programs and Projects. RSVP to Kellie Ann Broderick [\[kellieann.broderick@qut.edu.au\]](mailto:kellieann.broderick@qut.edu.au) as these meetings will be catered for.

Meeting One

Attendees: Any CRC participant, but we anticipate a focus on Research Program's 1 & 2

Date: Wednesday, 24 March

Time: 7.00 am

Duration: 1-2 hours approximately

Presenter: Zee Upton, Rob Short and Thilak Gunatillake

Venue: Corner of the trade/poster/catering room (Meeting Room 4)

Catering: Muffins and coffee style breakfast

Meeting Two

Attendees: Any CRC participant, but we anticipate a focus on Research Program 3

Date: Friday, 26 March

Time: 5.00 pm

Duration: 1-2 hours approximately

Presenter: Zee Upton and Helen Edwards

Venue: Meeting Room 4

Catering: Muffins and coffee style afternoon tea

Positions Available

Women's and Children's Health Research Institute



Post-doctoral Research Scientist and Research Officer/ Research Assistant

2 Positions

Wound Healing

Two positions are available to join a team led by Associate Professor Allison Cowin studying the molecular mechanisms of wound repair. The successful applicants will have skills in mammalian cell culture, cell biology, molecular biology and *in vivo* methodologies. A background in immunology would be an advantage. The successful Research Scientist will possess a PhD, the Research Officer/ Research Assistant will possess an Honours degree or equivalent experience. The positions are available for 1 year in the first instance.

Salary will be commensurate with level of experience and qualifications. Generous salary packaging is available. Please send your application addressing relevant experience and CV to:

Kathy Kingston
Women's and Children's Health Research Institute
72 King William Road
North Adelaide
South Australia 5006

Tel: 61 8 8161 7061
Email: kathy.kingston@adelaide.edu.au

Applications Close: March 26th

Scientists in Schools

The Australasian Wound & Tissue Repair Society strongly supports the need to take action to increase the exposure of school students to science as it is practised by our members. One way to facilitate this is by engaging with the Australian Government's *Scientists in Schools* program run by the CSIRO. This is something that YOU can do!

In this free program the scientist is partnered with an interested teacher at a school in your preferred location. Together the teacher and the scientist identify

ways that the real world experience of the scientist can be used to create more engaging learning experiences for the students. The time commitment and level of interaction with students is fully negotiated between the teacher and the scientist involved.

If you are interested in sharing your passion and knowledge then please visit www.scientistsinschools.edu.au for ideas and information and to register online or contact one of the *Scientists in Schools* team via scientistsinschools@csiro.au



Wound & Tissue Repair Meetings 2010

The 2nd Australasian Wound and Tissue Repair Society Meeting



AWTRS 2010 ~ *Crossing the Boundaries*

22-24 March, 2010 ~ Perth Convention and Exhibition Centre
Western Australia



We invite you to Register on-Line for the exciting AWTRS 2010 meeting and pre-conference Workshop/Master Class, March 22-24, 2010.

Important dates:

- **November 27, 2009:** Registration and submission of abstracts to be considered for Oral/Poster presentation selection
- **January 8, 2010:** Close of Early Bird registration

Proceedings published in *Wound Repair and Regeneration*

AWTRS 2010 is followed by the Australian Wound Management Association (AWMA) 2010 Conference with attractive reciprocal membership discounts.

Professor Jeffrey Hubbell
(Switzerland) *Tissue engineering*

Professor Paul Martin (UK)
Wound healing and inflammation

Professor Fiona Wood (Aus)
Systemic responses to burn injury

Professor Prue Hart (Aus)
Vitamin D and the Skin Immune System

Professor Rob Short (Aus)
Surface engineering technologies - for cell therapy, tissue engineering and life science research tools

PRESENTERS also include

A/Professor Allison Cowin (Aus)

A/Professor Ian Darby (Aus)

Professor Sarah Dunlop (Aus)

Dr Laura Edsberg (USA)

Dr Mark Fear (Aus)

Professor Hans Griesser (Aus)

A/Professor Chris Jackson (Aus)

Dr Pritinder Kaur (Aus)

Dr Susan McLennan (Aus)

Dr James McMillan (Aus)

Dr Rachael Murray (Aus)

A/Professor Steve Mutsaers (Aus)

Professor Cees Oomens (The Netherlands)

Professor Laura Poole-Warren (Aus)

Professor Zee Upton (Aus)

Dr Hilary Wallace (Aus)

Dr Jerome Werkmeister (Aus)

Convenors: **Dr Hilary Wallace**, University of Western Australia
Secretariat: awtrs2010@mtci.com.au

Dr Mark Fear, McComb Foundation,
University of Western Australia



<http://awtrs2010.mtci.com.au>

Wound & Tissue Repair Meetings 2010



Australasian Wound
& Tissue Repair Society

Pre-Conference Wound & Tissue Repair Master Class 2010

Monday March 22, 2010 (1:30-5:30pm), Perth Convention & Exhibition Centre

Pre-conference Workshop precedes the 2nd Australasian Wound and Tissue Repair Society Meeting being held at the Perth Convention and Exhibition Centre, and is followed immediately by the Conference Dinner.

Featuring Professor Paul Martin (University of Bristol, UK) and Professor Robert Short (Director, Mawson Institute, University of South Australia), keynote speakers for AWTRS 2010, and facilitated by Professor Zee Upton (Institute for Health and Biomedical Innovation, QUT, Australia).

An opportunity not to be missed by every wound and tissue researcher attending the AWTRS 2010 meeting! "Go for Gold" and combine the conference and Workshop program in your registration.

Workshop-only registration options also available.

Register on-line ~ <http://awtrs2010.mtci.com.au>



Prof. Paul Martin - presenter



Prof. Robert Short - presenter



Prof. Zee Upton - facilitator

Paul Martin and Rob Short are internationally recognized experts in wound and tissue research. Paul leads basic research in wound healing and inflammation in "flies and fish and mice", and Rob's research program embraces surface engineering technologies - for cell therapy, tissue engineering and life science research tools. Zee Upton is a leader in Australian wound healing research and a lively facilitator.

This informal half day program will include:

- Presentations by researchers and post-graduate students of their current research
- An interactive and extended discussion on the science of each presentation led by Paul Martin and Rob Short
- A display of some of the latest technologies for enabling research

Paul and Rob will also talk about the key activities and interests of their laboratories, and provide their insights into the future "landscape" of tissue repair research and career opportunities

Submit abstracts and register on-line: <http://awtrs2010.mtci.com.au> Those participants selected will also be eligible for Poster and/or Oral presentations in the main program (if registered).

Fees: Member Full Program of Workshop + AWTRS 2010 meeting: AUD485 (AUD345 student fee)
Member Workshop only: AUD100 (AUD50 student fee)

Wound & Tissue Repair Meetings 2010



THE UNIVERSITY OF
WESTERN AUSTRALIA
Achieving International Excellence

28 April – 1 May 2010
Quay West Resort, Bunker Bay
Dunsborough, Western Australia

The Fourth Margaret River Region Forum

Pathways toward Molecular & Cellular Therapy

Co-Convened by:

International Society for Cellular Therapy (ISCT) :

Regulatory Workshop

and

Australia-China-Japan Bioengineering

Biotherapeutic and Health Sciences Symposium

Objective:

- Progress laboratory cocktails to GMP products.
- Alter matrix and cellular integrity to restore tissue function integrity.

Program Highlights:

- Cartilage and bone biology.
- Cellular and molecular therapy
- Integrated approach of human and mouse genetics
- Manufacture technique and quality.
- New Regulatory framework

Snapshot of the program:

THURSDAY, 29 APRIL (Keynote lectures with free paper presentations)

Session One	Molecular Therapy
Session Two	Cellular regeneration therapy
Session Three	Scaffolds and liver regeneration
Session Four	Cartilage tendon
Session Five	Bone

Optional BBQ

Quay West Resort, Bunker Bay, Dunsborough

FRIDAY, 30 APRIL

Concurrent sessions:

1. Australia-China-Japan Symposium

- Tissue engineering and bioscaffold
- Bioreactor and liver regeneration
- Informal technology / Computational biology
- Bioimaging
- Food science / Food factors / Functional foods

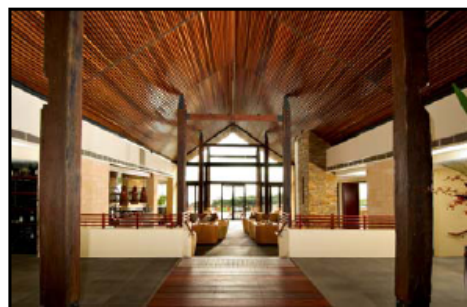
2. ISCT New regulatory framework

- Validation of Cellular products, including microcontamination issue on cellular product
- Audit and Auditors
- New regulatory framework
- Case discussion of GMP issue
- Risk assessment



Conference Dinner

Wise Winery



Registration Fee – closes 7 April 2010

Day Registration \$180

(includes morning and afternoon teas, lunch)

Full Conference \$350

(Includes Wednesday Sundowner Welcome Drinks; Tuesday evening BBQ; morning and afternoon teas, Lunch on Thursday and Friday)

Conference Dinner \$100

(includes dinner, wine and bus to Wise Winery)

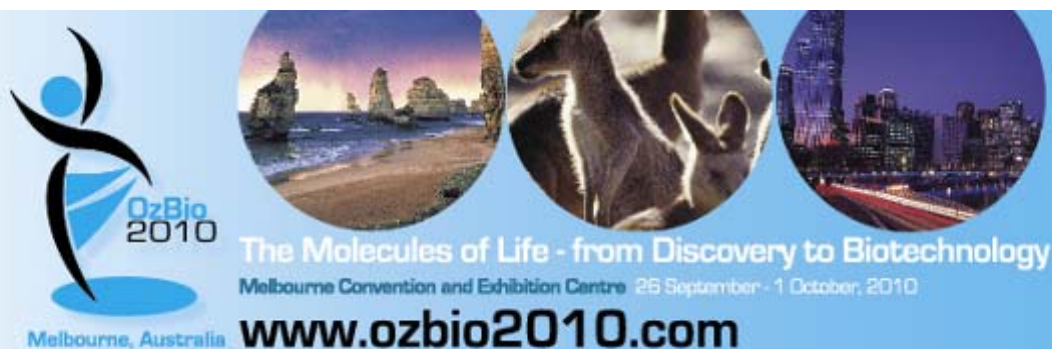
Further information:

Lesley Gasmier – email: Lesley.gasmier@uwa.edu.au

T: +61 8 9346 3213

F: +61 8 9346 3210

Wound & Tissue Repair Meetings 2010



We are delighted to extend an invitation to participate in the International Conference on "Molecules of life: from discovery to biotechnology" to take place in Melbourne 26 September to 1 October 2010.

This premier international scientific meeting brings together the 12th IUBMB Conference, the 21st FAOBMB Conference and the Com-Bio2010 meeting. This unique blend of participating societies will generate an outstanding scientific and technological event, which will be of major interest to biochemists, molecular biologists, cell and developmental biologists, and plant scientists. The world's top speakers in these areas will present their exciting new findings in major plenary sessions and in a wide array of more specialist symposia.

The conference will be held in the newly built Melbourne Convention Centre. The Melbourne Convention and Exhibition Centre is centrally located on the banks of the Yarra River adjacent to the Southbank entertainment precinct and within close walking distance of all major city hotels, motels and apartments. Melbourne is one of the top ten convention destinations in the world.

We look forward to welcoming you to Melbourne, Australia, in September 2010.

KEY DATES

YSF Application Deadline:
1 February, 2010

**Abstract Submission
Deadline:**
16 April, 2010

**End of Earlybird
Registration Deadline:**
16 April, 2010

**Guaranteed Hotel
Reservation Deadline**
26 July, 2010

Wound & Tissue Repair Meetings 2010



www.termis.org



INVITATION FOR ABSTRACTS



On behalf of the organising committee as chairperson of this forthcoming meeting I wish to invite your participation in this inaugural TERMIS event in Australia.

This is an unique opportunity for all those involved in science and research to come together with medicine, dentistry, veterinary surgery and allied health disciplines to promote the worldwide advancement of tissue engineering and regenerative medicine; in particular the integration of current laboratory technologies and clinical needs in our region.

We offer our delegates innovative topics and stimulating clinical debates which will be led by a balance of international and national speakers and the opportunity for industry to contribute.

We look forward to your participation and welcoming you to Sydney in September 2010.

A handwritten signature in blue ink that reads "Geoff McKellar".

GEOFF MCKELLAR
CHAIR TERMIS AP 2010

Wound & Tissue Repair Meetings 2010

We invite you to submit abstracts to be considered for presentation at **TERMIS AP 2010**.

- Plenary presentation – anticipated time 60 mins
- Keynote presentation – anticipated time 30 mins
- Oral presentation – anticipated 15 mins
- Poster presentation – displayed on a board with dimensions of 1.8m high x 1.2 wide

The topic areas will include:

- Biomaterials and scaffolds
- Nanotechnological advances in tissue engineering
- Gene therapy and gene regulation
- Advances in stem cells science
- Immunological considerations and modulation in tissue engineered implants
- Bioreactors and mechanotransduction
- Commercialisation of tissue engineering implants
- Regulatory issues in tissue engineering
- Stem cell based therapies:
 - Cardiovascular
 - Musculoskeletal
 - Neural/Organs/Skin
 - Haematopoietic system
- Biomaterial based therapies:
 - Cardiovascular
 - Musculoskeletal
 - Neural/Organs/Skin
- Clinical integration of therapies in medicine, dentistry and veterinary science

Abstract Submission Information

Closing Date: 30 APRIL 2010

Online submission, via the TERMIS web site - www.termis.org - is the only method for the submission of abstracts.

When you submit your abstract you will be given an Access Key - please make a note of this key. If you wish to submit a new abstract or replace an existing abstract (before the closing date) you can do so through the Speakers Zone on the web site.

Please note that it is a **requisite** that the presenting authors for all accepted abstracts register for a minimum of one day at TERMIS AP 2010.



Australasian Wound & Tissue Repair Society Membership

1 YEAR membership

Ordinary Annual Membership \$50
Student Annual Membership \$25
Corporate Membership \$350

NEW 3 YEAR membership option

Ordinary Annual Membership 3 years \$140
Student Annual Membership 3 years \$70

MEMBERS' BENEFITS INCLUDE:

AW&TRS Quarterly Newsletter – contains news of upcoming meetings, extensive coverage of meetings and workshops, research highlights, job adverts and much more.

Free subscription to AWMA Journal “Wound Practice & Research” – one of the primary sources of information for Medical, Nursing, Allied Health, Wound Care Practitioners and Wound Research Scientists throughout the Australasia-Pacific region.

Reduced subscription rates to the leading wound research journal: subscribe to Wound Repair and Regeneration for just 76 GBP.

The chance to add you Research Profile with a brief description of your research and a web link to the AW&TRS web site – AW&TRS members can add a brief researchers profile and web link to AW&TRS web site, which means not only will other researchers be able to see what you do but you can look for specialists to collaborate with in the area you are interested.

Advanced notification of the AW&TRS biennial meeting as well as focus meetings.

Significant discounts on registration rates for the AW&TRS conferences – members are entitled to a discount from the regular registration rate.

Travel Awards for young AW&TR investigators at AW&TRS biennial meetings – details of these travel awards will posted on the web site prior to meetings.

Young Investigator Awards at AW&TRS biennial meeting – details of these awards will posted on the web site prior to meetings.

To join as a **NEW** member or **RENEW** your membership

go to www.awtrs.org and
click on the membership link

AWTRS Executive Officers and Committee Members 2008

President: Assoc/Prof Allison Cowin
Head, Wound Healing Laboratory
Women's and Children's Health Research
Institute
Phone + 61 8 8161 7077
Fax + 61 8 8239 0267
Email: allison.cowin@adelaide.edu.au

Vice President: Prof Zee Upton
Program Leader-Tissue Repair and Regeneration
Institute of Health and Biomedical Innovation
Queensland University of Technology,
Phone: +61 7 3138 6185
Fax: +61 7 3138 6030
E-mail: z.upton@qut.edu.au

Treasurer: Assoc/Prof Geoff Sussman
Faculty of Medical and Health Science
University of Auckland
Faculty of Medicine Monash University
Phone +61 3 9903 9619
Fax +61 3 9903 9124
Email: geoff.sussman@vcp.monash.edu.au

Secretary/Membership: Dr Rachael Murray
NHMRC RD Wright Fellow,
CHBRI Wound Healing Laboratory,
The Children's Hospital at Westmead,
Research Building,
Locked Bag 4001,
Westmead, Sydney NSW 2145
Phone + 61 2 98453101
Fax: + 61 2 98451317
Email: RachaelM@chw.edu.au

Editor: Assoc/Prof Ian A. Darby
Head, Cancer & Wound Healing
School of Medical Sciences
RMIT University
PO Box 71, Bundoora, Victoria 3083
Tel: +61 3 9925 7624
Fax: +61 3 9925 7063
E-mail: ian.darby@rmit.edu.au

Assoc/Prof Joe Rothnagel
School of Molecular and Microbial
Sciences
The University of Queensland,
St Lucia, Qld, 4072
Phone: +61 7 3365 4629
Fax: +61 7 3365 4699
Email: j.rothnagel@uq.edu.au

Dr Hilary Wallace
Research Fellow
School of Surgery & Pathology
University of Western Australia
Phone: + 61 8 9431 2690
Fax: + 61 8 9431 2623
Email: hilary.wallace@uwa.edu.au

Dr Pritinder Kaur
Epithelial Stem Cell Biology Laboratory
Peter MacCallum Cancer Centre
Phone + 61 3 9656 3714
Fax + 61 3 9656 3738
Email: pritinder.kaur@petermac.org

Assoc/Prof Laura Poole-Warren
Associate Dean (Research Planning and
Strategy)
Biomaterials and Tissue Engineering
The University of New South Wales
Phone: +61 2 9385 3905
Fax: +61 2 9663 2108
Email: l.poolewarren@unsw.edu.au

Dr Mark Fear
Experimental and Regenerative Neurosci-
ences (EARN)
M317
University of Western Australia
Hackett drive
Crawley WA 6009

Prof Nick Santamaria
Chair of Acute & Ambulatory Care
School of Nursing and Midwifery
Curtin University of Technology
Ph +61 8 9266 2116
Fax +61 8 9266 2959
Email: N.Santamaria@curtin.edu.au

The AWTRS is supported by :



ihbi

Institute of Health and Biomedical Innovation

**Women's and Children's
Health Research Institute**

