



WHStler is the Official Newsletter of the Wound Healing Society

Presenting...The WHStler...

Dear Friends

On behalf of the Wound Healing Society Web site Committee and our president Jeff Davidson, I am delighted to christen this first issue of our newsletter named The WHStler.

Communication is the key to everything we do. In a society as diverse both geographically and professionally as the WHS, it is important to have a means of “getting the word out.” We are all busy and as a result, frequently forget to tap into our “bookmarks” or “favorites” to see what’s up. The goal of this new mouthpiece is to give you a gentle reminder about what is going on at WHS on a bimonthly basis. I encourage you all to play an active role in this adventure.

I know that all of our mothers told us that it is not polite to talk about yourself and your successes. Unfortunately this means that a lot of good information gets missed. To that end, the newsletter will have address this in two ways.

First, this can be your way of telling the powers that be at WHS those things that you want them to hear – issues, items, concerns, etc. If you have something that you feel is missing or needs to be addressed, a simple e-mail is all it takes. Remember, it is likely that your concern or idea is mirrored by many others.

Secondly, this is the place where you tell us what you’ve been accomplishing! Whether you have recently written a book, split

the atom, brought the dead back to life, or simply done something that you are proud of or, more importantly, may be of benefit to your colleagues, the WHS or mankind in general...TELL US!!!

The WHStler will feature a different WHS committee update every issue as well as information on upcoming events, interesting new articles, and most importantly, items of importance to WHS members, all in a low tech, easy to read, closed captioned kind of style. We save the big words for the journal.

The goal of this new mouthpiece is to give you a gentle reminder about what is going on at WHS.

Other possibilities include a cartoon feature (any Walt Disney wannabees?), a breaking wound care related news item (for this we really, REALLY **need your input**). Getting it to us is as simple as sending an e-mail to news@woundheal.org.

Thanks to Mary Beth Regan, Phil Pyster, Rob Wilson, President Jeff and those who foisted this opportunity on the Web site committee for what I truly believe is a really needed, timely and potentially fun idea. And now, the ball is in your court. Got an idea...just WHStle.

-Michael, Newsletter Chief

+ Know someone interested in wound healing?

E-mail them a note asking them to join
and send them our www.woundheal.org address!

Wound Healing Research: Hot Updates!

Hahn Soe-Lin and Anie Philip

Division of Plastic Surgery, McGill University, Montreal, Canada

Accelerated wound healing in 3-null mice: a TGF-1 connection: An article in the February 2005 issue of 'Nature Medicine' highlights a role for α_3 -integrin mediated regulation of TGF-1 during wound healing. α_3 -null mice exhibited enhanced wound re-epithelialization, and demonstrated elevated levels of TGF-1, types I and II TGF- receptor, and enhanced fibroblast migration. This effect was associated with sustained Smad2 and Smad4 nuclear localization and reduced levels of Smad3, implicating a new mechanism by which α_3 -integrins suppresses TGF-1 signaling. (Reynolds, L.E., Conti, F.J., Lucas, M. et al. *Accelerated re-epithelialization in α_3 -integrin-deficient mice is associated with enhanced TGF-1 signaling.* *Nat. Med.* 2005;11(2)167-174.)

Bone marrow-derived stem cells and dermal wound healing: Opalenik and Davidson of Vanderbilt University show that bone marrow-derived cells migrate to sites of tissue injury and participate in wound repair as fibroblasts. In their report in the July 2005 issue of "FASEB" journal, the authors transplanted transgenic bone marrow expressing reporter genes (luciferase and -gal) under the transcriptional control of a type I collagen promoter. Their results demonstrate that these bone marrow-derived fibroblasts contribute to the wound repair process beyond inflammation, forming new connective tissue including collagen type I. (Opalenik, S.R. and Davidson, J.M. *Fibroblast differentiation of bone marrow-derived cells during wound repair.* *FASEB Journal express article.* Published online July 12, 2005.)

Bone marrow mesenchymal Stem cells and corneal wound healing: A collaborative research study from China and Korea, published in the May 2005 issue of "Eye" journal, has recently demonstrated that systemic transplantation of mesenchymal stem cells (MSCs) from bone marrow can improve healing of corneas burned by alkaline treatment in rabbits. A functional bone marrow was critical for the enhanced healing, suggesting that the engrafted MSCs promote healing by synergizing with native haematopoietic stem cells in the bone marrow. This is the first time that exogenously administered stem cells have been shown to successfully engraft to locally injured corneal tissue. (Ye, J., Yao, K. and Kim, J.C. *Mesenchymal stem cell transplantation in a rabbit corneal alkali burn model: engraftment and involvement in wound healing.* *Eye.* 2005 May 13. PMID 15895027. Epublication ahead of print.)

TGF- isoforms and hypertrophic scar formation: Mustoe and colleagues treated a dermal ulcer rabbit ear model with antibodies against transforming growth factor beta 1, 2, and 3 isoforms at varying time points to investigate their effects on wound healing and hypertrophic scarring. Intradermal treatment of the wound with these antibodies reduced hypertrophic scarring only when treatment was administered 7 days after the initial wounding. Earlier treatment with the antibody was found to delay wound healing. Collectively their results support the notion that TGF-isoforms are important for optimal wound healing in the first week whereas beyond one week, these isoforms play a critical role in hypertrophic scar formation. (Lue, L., Saulis, A.S., Liu, W.B., Roy, N.K.,

Chao, J.D., Ledbetter, S., and Mustoe, T.A. *The temporal effects of anti-TGF-B1, 2, and 3 monoclonal antibody on wound healing and hypertrophic scar formation. J. Am. Coll. Surg.* 2005;201:391-397.)

Scar reduction with recombinant adenovirus-p21:

In the September 2005 issue of "Wound Repair and Regeneration", Gu et al. reports the potential utility of a recombinant adenovirus containing human p21^{WAF-1/Cip-1} cDNA, a cyclin-dependent kinase inhibitor, for targeting hyperproliferative skin disorders. Treatment of human dermal fibroblasts with the virus reduced cell proliferation and type I procollagen production in vitro. In vivo studies in a rat wound model, in which polyvinyl alcohol sponges were treated with PDGF to stimulate granulation tissue formation, treatment with the virus resulted in a dose-dependent decrease in granulation fill. (Gu, D., Atencio, I., Kang, D.W. et al. *Recombinant adenovirus-p21 attenuates proliferative responses associated with excessive scarring. Wound Repair and Regeneration.* 2005;13(5)480-490.)

Information about the 2006 3M Research Grant Award on the Web site

Information about the 2006 3M research grant award has been posted on the Wound Healing Foundation's website:

<http://www.woundhealfoundation.org/programs/3mapp.pdf>

Warren Garner MD
President Wound Healing Foundation



The WHS has a new office location and a new management staff. Please use the directory below when requesting WHS information.

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Winter Park, FL 32789
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OFFICE DIRECTORY

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Wound Healing Society
Conference on
Wound Healing Guidelines

March 20, 2006
Lister Hill Auditorium
Bethesda, Maryland U.S.A.

Dear Wound Healing Society Supporter:

As you are well aware, the establishment of acceptable wound care guidelines has become increasingly crucial in many sectors. The urgency at hand is underscored by the special issues and physical needs of an aging population, the epidemic growth of diabetes and obesity, the corresponding importance of standardized medical treatments and consistent reimbursement for such treatments throughout the healthcare community, and the rising need for an advanced wound care curriculum within our medical schools.

To achieve this purpose, **a 1-day professional conference is being held at the Lister Hill Auditorium of the National Institutes of Health in Bethesda, MD on March 20th, 2006.** The primary objective of this meeting is to provide a forum for major interested parties to (1) understand the process of promulgating these Guidelines, (2) jointly review the sets of Guidelines as currently written, (3) directly communicate with their developers, and (4) submit suggested changes.

Your on-site review and input are needed. Your professional opinions and experience are very important and essential elements in the overall adoption process and your presence will validate the significance and impact of these findings. **You are more than simply invited...you are essential to the successful development process.**

It should be noted that the auditorium's capacity is limited. And while a substantial amount of interest is expected, only the first 152 registrants can be accepted.

For a complete copy of our letter to you and detailed information on this important conference, please go to the following link <http://www.woundheal.org/docs/WHSGuidemtgweb.pdf>
The registration form is at: <http://www.woundheal.org/docs/GuidelinesRegForm.pdf>.

Sincerely,

Jeffrey Davidson, Ph.D.
President
The Wound Healing Society

Warren Garner, M.D.
President
The Wound Healing Foundation



16th Annual Meeting & Exhibition of the Wound Healing Society
Preliminary Program

May 14-17, 2006
Doubletree Paradise Valley
Scottsdale, Arizona U.S.A.

Sunday, May 14, 2006

8:00am - 4:00pm

Pre-Meeting Workshop - Getting Your Product Reimbursed,
Billing and Reimbursement, How to Survive an OIG Audit

1:00 - 4:00pm

Pre-Meeting Short Course - Principles of Wound Healing 2006 -
*An introductory and refresher course covering both the basics
and the newest information, for students of wound healing (new
and seasoned). Free to fully-registered attendees; \$40 for local
attendees*

4:30 - 6:00pm

Welcome Reception
Exhibit Hall Opening
POSTER SETUP

6:00 - 8:00pm

Keynote Symposium - Genomics - TGen Institute
Lactate: The Missing Link in the Healing Sequence
- Thomas K. Hunt, MD

Monday, May 15, 2006

7:00 - 8:00am

Continental Breakfast with Exhibits and Poster Viewing

8:00 - 9:30am

General Session #1 - The Burn Wound: Basics to Clinic
Hypertrophic Scarring - Loren Engrav, MD
Nerve Regeneration - Nicole Gibran, MD
Tissue Engineering for Burn Wounds - Steven Boyce, PhD

9:30 - 10:30am

Refreshment Break with Exhibits and Poster Viewing

10:30am - 12:00pm

Concurrent Sessions

#1 Acute Wound Healing / Clinical Trials
#2 Oxygen / Epithelialization
#3 Fibrosis / Scarring / Wound Healing Models

12:00 - 1:30pm

Luncheon Symposium

1:45 - 4:15pm

General Session #2 -
Latest Updates on NIH Grant Applications
Richard Ikeda from the NIGMS
Young Investigator Award Competition (8 Abstracts)

4:30 - 5:00pm

New Member Reception

4:30 - 6:30pm

Poster Session #1 Wine and Cheese Reception

6:30 Dinner on your own

Tuesday, May 16, 2006

7:00 - 8:00am

Continental Breakfast with Exhibits and Poster Viewing

8:00 - 9:30am

General Session #3 - The New Molecular Biology in the Clinic
Application of Genome-wide expression analysis to human
health and disease - J. Perren Cobb, MD
Proteomics on a Chip - Daniel Remick, MD

9:30 - 9:45am

Young Investigator Award Presentation
Blue Ribbon Poster Award Presentation

Wednesday, May 17, 2006

9:45 - 10:45am

Refreshment Break with Exhibits and Poster Viewing

10:45am - 11:45pm

Concurrent Sessions

#4 Chronic Wound Healing

#5 Angiogenesis

#6 Extracellular Matrix / Bioengineering

11:45 - 1:15pm

Luncheon

1:30 - 2:15pm

WHF Award and Presentation

2006 Recipient Award

2005 Recipient Research Presentation

2:15 - 3:45pm

General Session #4 - Presidential Symposium on Aging

May J. Reed, MD

Karin Scharffetter-Kochanek, MD

Lisa Gould, MD PhD

3:45 - 4:30pm

Annual Business Meeting

4:30 - 6:00pm

Poster Session #2

Refreshment Break with Exhibits and Poster Viewing

6:30 - 9:00pm

Social Event - Desert Botanical Gardens - Casual Dress

7:00 - 8:00am

Continental Breakfast with Exhibits and Poster Viewing

8:00 - 9:30am

Hands on Courses: Clinical and Basic

9:30 - 10:00am

Refreshment Break

10:30am - 11:30pm

General Session #5 - New Technologies: Bioengineering

Microsensors - Karl Booksh, PhD

Implants and Biomaterials - Glen Prestwich, PhD

11:30 - 1:00pm

Luncheon

1:00 - 2:30pm

Concurrent Symposia

#1 Angiogenesis

Endothelial Cell Migration - Alan Wells, MD, DSc

Clinical Perspective - Vincent LI, MD

#2 Report from the Wound Care Standards Consensus Panels

2:30 - 3:00pm Break

3:00 - 4:30pm Concurrent Sessions

#7 Gene Therapy / Biomaterials / Wound Therapies

#8 Wound Infection / Inflammation / Immune Response

#9 Stem Cells / Growth Factors

5:00pm

MEETING ADJOURNMENT

Please remember that the hotel reservation deadline is April 10, 2006.

**You can call 877-445-6677 toll-free to make your reservation;
please be sure to identify yourself as being with the Wound Healing Society
meeting in order to obtain our special group rate of \$129 single/double per night.**

**Meeting registration is available on the WHS web site home page
at www.woundheal.org**

Message from the President

Dear fellow members,

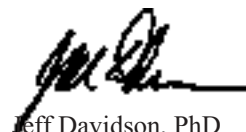
This has been a busy period for the WHS, and I'm happy to report several areas of progress that should provide long-term benefits to your organization. We underwent a change of management at the end of 2005 after a careful and thorough consideration of the finances and goals of WHS. As the result of a competitive bidding process, the Board of Directors selected Crow-Segal Management as our managing organization under a two-year agreement. This arrangement is much more consistent with the operation of a group of our size, which I am happy to report is presently at an enrollment of 525 members. Our hats are off to Laura Parnell and her Membership Committee for an excellent job. We continue to depend on this committee to assure a high level of on-going participation.

The Annual Meeting, whose program is included in this issue of the newsletter, is moving along well. We have an exciting mix of clinical and basic science to discuss in our sessions in Scottsdale. Please register early and often! Pat Hebda and Allen Holloway and their committees received, reviewed and classified about 165 abstracts this year. If you have ideas about funding for the present meeting, please communicate them to Allen, Pat, or myself. The Annual Meeting is a critical means to financial stability for WHS. In 2007 WHS will move to a new model for its Annual Meeting. After much discussion, negotiation, and consideration, the Board of Directors and a special subcommittee has approved a two-year agreement with Health Management Publications to conduct our scientific meeting in conjunction with the Symposium of Advanced Wound Care, which will now be entitled Symposium on Advanced Wound Care and Wound Healing Society (SAWC/WHS). Under this agreement, WHS will assume key responsibility for organizing and populating the scientific sessions of this well-attended conference. Our participation in the meeting operations will consist of both joint sessions and WHS-only sessions, and we will continue to conduct the important, abstract-driven symposia as well as the Young Investigator Session. SAWC/WHS will also continue to be the venue for the annual meeting of the Association for the Advancement of Wound Care, so we will now enjoy an environment in which the full spectrum of wound issues can be presented and

discussed. The key benefits to this arrangement are that: (1) WHS can concentrate on the development and execution of its wonderful scientific and educational programs without the burden of identifying commercial underwriting and (2) there will be one, comprehensive spring meeting on wound healing. Under this arrangement, I am certain that WHS will not only maintain but also enhance its identity and stature as the key proponent of wound healing science. Our chairpersons for this event will be Bill Tawil and Lisa Gould, and we can look forward to their implementation of a terrific program.

The wound care Guidelines commission, funded by the Wound Healing Foundation, has made tremendous strides under the guidance of president-elect Adrian Barbul and the support of WHF president Warren Garner. The October consensus conference at the NIH provided a forum for public input into the proposed Venous Ulcer and Pressure Ulcer guidelines. These findings, as well as those of the upcoming presentation of Diabetic Foot and Arterial Ulcer guidelines on March 20, emphasize the importance of evidence-based support for recommended treatment. The Venous findings, presented by Marty Robson and his committee were well-received at the forum, and they are about to be released to the public. The Pressure Ulcer guidelines, thoughtfully developed by Joie Whitney and her committee, provoked a vigorous discussion, particularly since some widely-used care modalities did not fulfill the panel's strict interpretation of evidentiary support. As a result of feedback, both committees have done considerable editing to produce documents for public dissemination. Both the present and forthcoming guidelines will undergo continuous revision as new data is available.

This is probably all the information you care to digest in one sitting, so I'll save other news items for the next issue of the WHSler. I am pleased and grateful for the work of Michael Miller and the Website committee for all their efforts in both the newsletter and the continuing perfection of the WHS website.



Jeff Davidson, PhD
President

**+ Ever think you would like to get more involved in the society?
Perhaps you would like to network with others that share the same interest in wound healing?
Go to <http://www.woundheal.org/volunteer/index.cgi>
and become a volunteer and start enjoying the extra benefits!**