



Shock Society Newsletter

Fall 2009



Daniel Remick, M.D.
President, Shock Society

Presidents Message

Greetings to all of our Shock Society members. This newsletter will highlight some of the recent activities. First, some important dates are provided and at the top of the list is January 31, 2010. Most of you are aware that A.A. Milne died on this day in 1956 (Milne was the author of The World of Pooh, i.e. Winnie the Pooh). Of more immediate concern is that this is the abstract deadline for the 2010 Shock Society meeting.

We also need to announce the most recent election results. The Society's congratulations are extended to the winners, along with our thanks for stepping up to help the Shock Society.

2010 Meeting

The Shock Society's Thirty Third Annual Conference will be held June 12 to 15, 2010 in Portland Oregon. Dr. Coopersmith has put together an exciting program, which should live up to the outstanding meetings of the past. Complete information about the meeting may be found at our website: www.shocksociety.org

Just a few important reminders about the meeting

1) All abstracts are submitted on-line and 2) Travel awards are available to encourage participation by new investigators.

The meeting will be held at the Portland Marriott Downtown Waterfront Hotel. How can you not like a hotel with the words Downtown and Waterfront in the name? The hotel is close to restaurants, shops and parks. This is the first time the meeting has been held in Portland, a beautiful city named by Money Magazine as Best Big City. Of course the President's annual fun run will be held, along the banks of the Willamette River. Mark your calendars and be sure to attend. As an added bonus for the fun run, every runner finishing ahead of the current President will be given cool, refreshing and free water at the finish line.

2009 Shock Society Election Results

Daniel Traber, Ph.D. – President-Elect
Robert Cooney, M.D. – Secretary
James Lederer, Ph.D. – Program Chair – 2012
Wolfgang Junger, Ph.D. – Council Basic Science
Rosemary Kozar, M.D. – Council Clinical

Important Dates

January 31, 2010 - Abstract deadline

June 12-15, 2010

Shock meeting Portland Oregon

June 11 – 14, 2011

Shock meeting, Norfolk, Virginia

June 9 – 12, 2012

Joint meeting Shock Society and International Shock Society, Miami Beach FL

Horton and Sayeed Awards

As a society we have an important decision to make regarding the Horton and Sayeed funds. While a final decision will be made at the business meeting during the 2010 Shock Society meeting we need to start the conversation now. Mohammed Sayeed, Ph.D. was the Shock Society President from 1998 to 1999, and Jureta Horton, Ph.D. was President from 2000 to 2001. As most society members know, Drs. Horton and Sayeed passed away and two funds were established in their names to provide annual awards. The Horton fund currently has a balance of \$11,000 and the Sayeed fund has a balance of \$16,000. Both have a monthly income of less than \$10. Council considered 2 proposals during the fall conference call.

- 1) Provide annual awards of \$2000 until the funds are exhausted, then the awards will terminate.
- 2) Attempt to grow the funds to a level so that sustainable awards may be provided. For \$2000 awards, each fund would need to have approximately \$50,000.

To increase the funds requests for donations will be included with the annual dues announcement (note this has already occurred for 2009 and is also currently available on the 2010 Membership dues payment page). Virtually no donations to the funds were made in 2009. Council will review these funds at the 2010 conference call. If the funds have failed to reach 80% of the final target, and no group or individual has emerged as a champion to continue the fund raising, the finance committee will recommend to Council that annual awards be made until the funds are exhausted. This will be formally discussed and voted on at the business meeting in 2010.

This is an important issue for the society, and I do not want to appear disrespectful to the former Presidents and their contributions to the Society. However, we also have a fiduciary responsibility to the Society and maintaining these awards for a prolonged period in limbo is not in our best interests. The proposed plan provides ample opportunity to the membership so that someone with a strong interest in growing the funds can take the lead.



Daniel Traber, Ph.D.
President-Elect, Shock Society

I wanted to take this opportunity to express my gratitude to the membership of the Society for electing me to this high office. It is indeed a great honor to be the president of the Shock society. Over all these years the past presidents have had great obstacles to overcome. They had to deal with the actual organization of the meetings. What to do with the journal? How to handle the management? We do not face these problems today - perhaps those could be considered as growing problems. Today are we facing aging problems? Where are the young people? Where are the leaders of the Society during the poster sessions? Are they out there spreading their enthusiasm for research with the younger members of the society? Are they helping them find the secrets hidden in the data the youth are unable to interpret? I think we need to take an inward look at ourselves. Remember the thrill of meeting and talking to the giants of the Society. Remember how proud we were when they treated us young investigators as colleagues? I would like to see if we can insure that those types of activities still persist in the society.

There are other problems I think we are avoiding. What is wrong with our animal models? Why are paradigms that work in animals not working in the

clinical areas? Are some of the models we are using really modeling the clinical setting? A few years ago we addressed this problem with our colleagues in the European Shock society. Is it time for us to look at our models again?

I think we have an exciting year to look forward to and I hope you will join me in our quest to insure that the vigor of the society is sustained. Thanks again for your support.



Craig Coopersmith, M.D.
2010 Program Chair

The Thirty-third Annual Conference on Shock will be held in Portland, Oregon June 12-15, 2010. The program will include workshops and symposia presented by leading investigators in timely subjects, mini symposia representing the best abstracts, the New Investigator Award competition, three poster sessions, an oral presentation by and for new investigators only, a special session on hypertonic resuscitation after severe injury, a luncheon session on diversity in research, the address by President-elect Traber, an update on the year's activities from President Remick, and the always popular free afternoon and fun run. The workshops and symposia will be:

Everything Old is New Again – Molecules, Mechanisms and Markers in ALI/ARDS co-chaired by Cynthia Otto, DVM, Ph.D. and Clifford S. Deutschman, M.D. Speakers include Edmund J. Miller, Ph.D., Laurie J. Kilpatrick, Ph.D., Yoram G. Weiss, M.D., Daniel L. Traber, Ph.D., James E. Baumgardner, M.D., Ph.D., and Jason D. Christie, M.D. The presentations include MIF in acute lung injury; Hsp70, inflammation and epithelial cell survival; dPKC, epithelial cells and neutrophil recruitment; capsaicin and epithelial cells; NOS, the pulmonary vasculature and the heart; insights into the dynamics of cyclical recruitment; intermittent hypoxia and injury from cyclical recruitment; and biomarkers for ALI/ARDS.

Where are they now? Updates from previous New Investigator awardees co-chaired by Daniel Remick, M.D. and Jessica A. Dominguez, PhD. Speakers include Ronald V. Maier, M.D., Michael West, M.D, PhD, H. Gill

Cryer, M.D, PhD, Patrick O'Neill, Ph.D., M.D., Matthew Rosengart, M.D., Christian Schneider, M.D., and Marcin F. Osuchowski, DVM, Ph.D.. The presentations include Growing with the Shock Society; serendipity and adaptation in sepsis and shock; microcirculatory responses to shock and resuscitation leading to organ failure; from ivory tower to county hospital: a different path; calcium/calmodulin-dependent protein kinases (CaMK): receiving the 3 dimensions of calcium signaling in sepsis; diagnostic, therapeutic and prognostic determinants for acute and long-term survival in critically ill surgical patients: a retrospective observational study over more than one decade; and Ann Arbor-Boston-Vienna: the sepsis story continues.

Scientific Basis of Postinjury Coagulopathy co-chaired by Ernest E. Moore, M.D. and Philip Spinella, M.D. Speakers include Kenneth G. Mann, Ph.D., Mitchell J. Cohen, M.D., John B. Holcomb, M.D., Jeffrey L. Kashuk, M.D., and Martin A. Schreiber, M.D. The presentations include central role of thrombin in hemostasis; pathogenesis of the acute coagulopathy of trauma; rationale for pre-emptive blood components; goal directed therapy based on rTEG; fresh whole blood revisited; and the future of lyophilized blood components.

Altered Inhibitory Receptor Activity Modulates Depressed Host Response In Sepsis/Shock/

Inflammation co-chaired by Carol Miller-Graziano, Ph.D. and Minsoo Kim, Ph.D. Speakers include Alfred Ayala, Ph.D., Basilia Zingarelli, M.D., Ph.D., Yang Liu, Ph.D., and Reginald M. Gorczynski, M.D., Ph.D.. The presentations include an innately different perspective of PD-1: PD-L1 in sepsis; PPARgamma: facing the immune dilemma with activation and suppression; CD24 and Siglec-10 suppress post injury tissue damage-induced immune response; injury induced latent activated protein of TGF β , Thrombospondin-1, and CD47 interact to derange patient MO differentiation and T lymphocyte activation; and CD200:CD200R interactions as an example of a complex inhibitory circuit regulating inflammation and acquired immunity.