



SHOCK SOCIETY SPRING NEWSLETTER 2015

2014 - 2015 EXECUTIVE COUNCIL

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President-Elect's Message

Rosemary Kozar, MD, PhD

Over the years, our Society has provided a unique environment for clinicians and scientists interested in trauma, infection, burns, hemorrhage, and inflammation to present and discuss their research in a formal yet relaxed atmosphere while promoting the mission of our Society, "to improve the care of victims of trauma, shock and sepsis..." We encourage the generation of new scientific knowledge as well as the translational application of that knowledge. I think you will see some wonderful examples at this year's meeting. Of equal importance is the recognition that the annual conference promotes collegial interactions and the opportunity to build long-term relationships. More now than ever, we need each other to be successful in these trying times of funding. My presidential address, "The Thrill of Victory and the Agony of Defeat: Research Olympics" will highlight the need to consider research a "team sport." I invite you to visit with old friends, extend your network of colleagues and collaborators, and to learn something new. I hope you all can attend the 38th Annual Conference on Shock to be held in Denver from June 6-9th. I am also pleased to announce that the NIH Surgery, Anesthesia, and Trauma (SAT) Study Section will be meeting in Denver immediately following our meeting. I hope a number of the study section members will attend our meeting and ask you to help them feel welcome. I would also like to personally thank Scott Somers from NIGMS for his continued support to our Society and to each of us as scientists.

We owe a debt of gratitude to Ed Sherwood and the Program Committee for assembling an outstanding meeting. I would also like to thank the members for their suggestions and input. Please rest assured that your suggestions are used to frame the content of our meetings, particularly the symposia. I think you will agree that there is a great mix of shock and sepsis and of clinical medicine and bench research.

In addition to the wonderful science that they have put together, I am excited to announce that the SHOCK Society will once again have the opportunity to go **white water rafting** in Denver! For those of you that recall our last trip, it was a fun day for all. Busses will leave immediately following the business meeting on Monday June 8th and return by dinner time. NO experience is necessary. The only requirement is that you know how to swim. For our fair weather members (i.e., me) free wet suits or splash jackets are provided. Thanks to the hard work of Drs. Gene Moore and Eduardo Gonzalez for arranging this trip!



Additional information about the rafting can be found at www.raftmasters.com. The cost for rafting and transportation will be \$80 per person. You can register online during the meeting registration or on the website under this link: [white water rafting trip](#). On-site registration will also be available but it will be on a first come, first serve basis so early registration is encouraged.

I would like to encourage all members to vote in the upcoming election. Dr. Robert Cooney and the Nominating Committee have put forth an excellent slate of candidates. These are officers who will guide our Society into the future, ensuring a vibrant annual meeting and financial stability. Our Society has a long history of inclusion, so for those of you interested in volunteering your services to the Society and becoming more active, please see send me an email at ркозар@umm.edu or see me at the meeting.

I would be remiss if I did not thank our current President, Dr. Lang, for his leadership and wisdom during the past year. I have had the opportunity to get to know Chuck and it has been a pleasure to work and learn from him. In the coming year, I hope to get to know more of the membership, to hear about your research and learn more about your challenges. I would strongly encourage all of you to take the time to get to know each other. One of the things that I most like about our Society is the collegial relationship and openness of the Society. For our younger members and guests, please reach out to our members.

To our more established members, take a minute to say hello to our younger members and guests. Remember what it was like when you were new to the Society and a member took the time to talk to you. This year's program has a great mix of basic science and translational medicine. It is the unique mix of scientists and clinicians that makes our society so special. We can and should learn from each other. I am deeply honored to be the incoming President of the best scientific society. This is a dynamic and exciting time for the Society and I hope to see everyone in Denver!



Secretary
Sanna Goyert, PhD

Hello all. I want to update you on several business issues of the Shock Society. Firstly, I want to congratulate Dr. Ed Sherwood and the program committee for putting together an exciting program for the **38th Annual Conference on Shock** and I hope you are all coming to the "mile high city", Denver Colorado, at the Grand Hyatt Denver, **June 6 – 9, 2015!** For access to online meeting registration and hotel reservations, go to the meetings section of the Shock Society website: <https://shso.memberclicks.net/annual-meeting>. You can also download a registration form the website. Save money and register early, by April 3rd to get the cheapest price! Also, it is very important that you reserve your hotel room at the Grand Hyatt, Denver, before May 1, at which time the lower-priced block of rooms will be gone! Book hotel reservation via the website <https://aws.passkey.com/event/11238523/owner/3134/landing>. Just so you can plan ahead, next year, 2016, the **39th Annual Shock Conference** will be held in Austin Texas at the Hilton Austin, **June 11-14** and for the **40th Annual Meeting** in **2017** we will meet in sunny Fort Lauderdale.

Do not forget to **apply** for and/or encourage your colleagues to apply for the **Research Fellowship Award** for an Early Career Investigator. The deadline for receipt of applications is **April 1st, 2015**; see the instructions at <http://www.shocksociety.org/research-fellowship>. This award is to support a young investigator in the early stage of his/her career. Those with small R03 or R21 grants or CAP (no more than 3 years) are eligible. Preference will be given for new and innovative research, basic or translational, in the area of trauma, shock and/or sepsis.

Please see the details on the website that describe a requirement for a minimum of 20% time to be spent on professional development and research. This grant totals \$83,000 for 2 years.

Also, please vote! Elections are open until March 31. Positions and candidates for voting include **President elect** (Ping Wang MD, and Sanna Goyert, PhD); **Secretary** (Philip A. Efron, MD, FACS, FCCM and Charles E. Wade, Ph.D.); **Program Chair 2018** (David J. Hackam, MD, PhD and Paul Wischmeyer, MD); **Basic Science** Councilor (**Marcin Osuchowski, DVM, PhD and Melanie J. Scott, BSc, MB, ChB, MRCS, PhD**); **Clinical Science Councilor** (Sam Arbabi, MD, MPH and Eizo Watanabe, MD, PhD).

Committees are always looking for new, enthusiastic members! If you want to get more involved in the Shock Society, please go to the website and look at the committees and contact the head of the committee in which you are interested and ask how you can get involved.

Mary Schuerman and Bill Curreri of Strategem continue to provide general management for the Shock Society, including meeting organization and planning and a multitude of tasks to make our meetings possible and to keep us running as a group, solving a myriad of problems and acting as the “glue” that we need to keep things going cohesively. We thank them for their outstanding efforts.

See you in Denver!



2015 Program Chair
Edward Sherwood, MD, PhD

Plans for the 38th Annual Conference on Shock in Denver, Colorado are nearing final completion. The Program Committee reviewed and scored

262 submitted abstracts for this year's meeting, selecting 37 for oral presentation along with 225 posters. The Awards Committee identified the top 4 qualifying abstracts that will vie for the Shock Society Young Investigator Award competition that will take place on Sunday June 7th. The meeting will kick off on Saturday with two outstanding Plenary Sessions; “Current Advances in Sepsis” and “Hemorrhagic Shock”. Both of these plenary symposia are designed to broaden our perspectives and understanding of the pathophysiology and treatment in hemorrhagic shock and sepsis.

Saturday's program will culminate with Dr. Rosemary Kozar's Presidential Address. The Presidential Reception will follow immediately afterwards. On Saturday evening, a Workshop for New Investigators that will be held from 7:30-9:00 PM. Representatives from NIH and the Department of Defense will provide perspectives on funding and career development.

The meeting will continue on Sunday with the first of three poster sessions. In keeping with the tradition of the Shock Society, the Sunday morning Plenary Session will feature the highest scoring abstracts. Sunday morning will conclude with the Keynote Address, to be delivered by Charles Serhan, PhD, a brilliant investigator and Professor of Anesthesiology, Perioperative and Pain Medicine at Harvard University/Brigham and Women's Hospital. His talk is entitled “Resolvins and Lipid

Mediators of Inflammation”. A lunch time seminar entitled “Business Development for Scientists” will follow. Monday afternoon will commence with the New Investigator Award Competition and formal progress reports from the most recent recipients of Shock Research Fellowship Grants. After the refreshment break the afternoon will conclude with parallel symposia- one on “Critical Illness and the Gut” and the other devoted to “Organ Injury/MODS: Pathogenesis and Treatment”. Sunday will be topped off by the New Investigator Competition and Travel Awards Dinner Ceremony, which will be preceded by a reception.

Activities Monday begin with the 32nd Annual Presidential Fun Run (~5K). Poster Session II will start 30 minutes later than usual to permit attendees to participate in the Fun Run. After the poster session there will be parallel sessions focusing on “Endothelium During Critical Illness” and “Lipid Mediators and Inflammation Resolution in Sepsis and Shock”. The Shock Society Business meeting will take place between 12:00 and 1:00 PM, and the remainder of the day will be “free” so that attendees can explore all that Denver has to offer. A Whitewater Rafting trip is being planned for people interested in getting outside of Denver and experiencing local mountain culture. Transportation will be provided. Details are available in this newsletter and on the Shock Society website.

Poster Session III, Tuesday June 9th from 7:00-9:00 AM, will feature posters on a wide range of topics with continental breakfast and coffee available in the Grand Ballroom. After the poster session, attendees will have the opportunity to choose between parallel sessions that explore “Metabolism and Critical Illness” or “Trained Immunity and Pattern Recognition Receptors in Critical

Illness and Sepsis". Following the morning sessions, lunch can be enjoyed by Young Investigators while listening to "Oral Presentations By and For New Investigators", which showcases selected papers by new investigators. As per Shock Society tradition, that session is dedicated to participation by Young Investigators. Tuesday afternoon will begin with what is sure to be a stimulating Plenary Session entitled, a "Pro-Con Debate: Is the Inflammatory Response a Worthy Target during Sepsis?" Dr. Dan Remick will serve as moderator/referee, with two teams of invited panelists. The "Pro" team will be composed of Hiroyuki Hirasawa and Anja Jaehne. They will square off against the "Con" group consisting of Charles McCall and Susan Evans. There will be plenty of time for discussion and questions. It is hope that we will have a brisk interaction to address this important question. On Tuesday afternoon the scientific program, will conclude with two parallel sessions. One will focus on "Regenerative Medicine and Tissue Engineering" and the second will showcase "Trauma-induced Coagulopathy". The meeting will conclude with a cocktail reception that precedes the Scientific Achievement and Service Awards Ceremony and dinner.

The upcoming meeting in Denver will be another opportunity for members and guests of the Shock Society to obtain the latest knowledge, exchange ideas, network, and share friendships. I look forward to seeing you in June!



Awards & Honors Chair
Philip Efron, MD

The Awards and Honors committee is pleased to report that the current funding of the Research Fellowship for Early Career Investigators has been increased from \$60,000 to \$83,000. There has been much enthusiasm for this change. In addition, a new Research Investigator Award for Early Scientists has been created that will award \$22,000 for one year. We encourage and welcome your participation. For our upcoming June meeting, there will be forty travel awards, five New Investigator travel awards, two Diversity Enhancement awards, and two Diversity Meet the Society awards! There has been very good input for the Scientific Achievement and for Distinguished Service awards and the winners will be announced at this year's meeting.



Mentorship Committee Chair
Jennifer Kaplan, MD, MS

The Mentorship Committee has been busy organizing two key events for the upcoming Shock Society meeting in Denver. The first event is the New Investigators' Workshop entitled "**Career Development from the NIH and Department of Defense Perspectives**". This workshop was held for the first time last year and was very well received. We have organized this year's workshop based on responses from last year's participants. The workshop will again be held following the Presidential Reception on Saturday, June 6th. The new investigator workshop will feature experts from the NIH and from the Department of Defense. This year we will also have small group sessions with established scientists to provide new investigators with career development guidance. The second event is the annual "**Oral Presentations By and For New Investigators**" scheduled for Tuesday, June 9th. This session has provided a great opportunity for new investigators to gain experience giving oral presentations and to actively participate as audience members. More details about these events will be forthcoming.



Editor-in-Chief, *SHOCK*
Irshad H Chaudry, PhD

Thank you, President-Elect Kozar, for the opportunity to write briefly about our journal in the Newsletter. The number of manuscripts submitted to *SHOCK* has increased only slightly from those submitted in the previous years. Since we have cleared the backlog, we need more quality manuscript submissions to our journal. I am therefore requesting the entire membership and the non-membership to submit their best work to *SHOCK* and also to please cite references in *SHOCK* in articles you submit to any journal, including *SHOCK*. I am grateful to all the authors who have contributed their outstanding work to the journal. I also wish to express my sincere thanks and gratitude to all of the Associate Editors, the Editorial Board members, and the Guest referees, for the thorough and

expeditious review of the manuscripts and for their tremendous help and support to the journal. I am also very thankful to the Associate Editors and to the Editorial Board members who continue to take time from their busy schedules to write under the banner, "What's New in Shock?" in each issue of the journal.

I am delighted to inform you that the Publication Committee Chair, Dr. Charles Lang, and the Committee approved the appointment of Dr. Jean-Marc Cavaillon to serve as an Associate Editor in the European Editorial Office. The committee also approved the appointment of Dr. Penny Reynolds to the Editorial Board of *SHOCK*. The following individuals have retired from their academic institution: Drs. Ansgar Aasen (Associate Editor, European Editorial office) and Richard Gamelli but they have graciously agreed to serve as Consulting Board members. The following people have stepped down after serving on the Editorial Board for many years: Drs. Gregory Bagby, William Cheadle, Edwin Deitch and Loring Rue.

I welcome the new Editorial Board members and I extend my sincere thanks and gratitude to the members who have stepped down from the Editorial Board after providing an extremely valuable service to the journal. I wish to express my sincere thanks to Connie Weldon and Dennis Campbell for continuing to provide tremendous help in all facets of the journal. I am also thankful to Mr. John Ewers, our Senior Publisher, and to Rosemary Hutzler, our Production Editor, Lippincott Williams & Wilkins (LWW), for their continued help in all regards to the publication.

In addition to the Annual Shock Society Meeting (Supplement issue), we had an additional Supplement issue published in 2014. This was the 2013 RDCR Conference – *Trauma Hemostasis & Oxygenation Research (THOR) Network 3rd Annual Remote Damage Control Resuscitation (RDCR) Symposium*, from June 17-19, 2013 that was held in Bergen, Norway. We also welcomed the Russian Shock Society members and its seal in the journal in the summer of 2014.

I will greatly appreciate any suggestions from our members for improving any facet of our journal. Please e-mail your suggestions to me at shock@uabmc.edu. The Editor-in-Chief and the Editorial Office of *SHOCK* wish to thank all of the authors who have submitted and who continue to submit articles to *SHOCK*.

I wish each of our members the most wonderful spring and summer.



Shock 2015 Treasurer's Report
Michaela West, MD, PhD

As of December 31, 2014, the Society assets were essentially unchanged at \$1.25 million, although this is somewhat understated because an additional \$63,000 was deposited shortly after Jan 1, bringing the total closer to \$1.3M. Our funds are distributed over three FDIC-insured banking institutions and consist of: one checking account, three money market accounts, plus a 3 year CD held in a fourth bank. Income from the Shock Journal continues to be our primary source of revenue with the base contract providing \$170,000 during 2013-14. The Society received \$90,000 of additional royalty payments from the Journal over the past year resulting in a total of \$260,000 of revenue. Shock Society subscription payments to the journal were \$56,248 in 2014, resulting in \$203,752 of net income to the Society because of our relationship with the journal. The base royalty payment will increase by \$10,000, to \$180,000, for the 2014-15 period. Our principle expenses arise from our management contract with Strategem, research fellowships and travel awards; and the costs of the Annual Meeting. The Annual Meeting held in Charlotte last June produced a net profit to the Society of \$17,646. The Society paid out \$60,000 of Junior Faculty Fellowship Awards and \$62,000 of Travel Awards over the past year. Going forward the Council has approved plans to increase the amount of the Fellowship Awards from \$30,000/yr to \$41,500/yr and to also add a new "Young Scientist Award, in the amount of \$22,000, for trainees. The Society's current contract with Strategem expires in June of 2015 and the leadership of the Society has been analyzing proposals from several groups to manage the Society into the future. While a final decision has not been made, it's likely that management costs will remain similar or increase slightly.

For the academic year 2014-15 the Shock Society is projected to have a net profit of about \$50,000, although this could be affected by the profit/loss of the 2015 Annual Meeting in Denver. Going forward increased programmatic and administrative costs will significantly trim or eliminate the recent year over year increases in our assets. With that in mind, the Finance Committee met by teleconference at the end of October. A general consensus emerged from that meeting that the Society should use some of the assets to "invest in the Society". Examples include the approved plans

to increase Fellowship Awards and initiate the “Young Scientist Awards”. There was also agreement that assets could be used to support the Annual Meeting, in part by providing additional speaker resources, while at the same time maintaining, or even increasing, Society Travel Awards. Other suggestions, including a membership drive, were offered and are being considered by Council, but action will likely be held off until a new management firm is on board.

As always, if any Shock members know of organizations or companies that might be interested in exhibiting their product or service at a cutting edge, top notch, intimate, focused, medical/scientific venue, please forward them to me or to Drs. Kozar or Lang.

STANDING COMMITTEES

Awards and Honors Committee:

Philip Efron, Chair (2016)
Jennifer Kaplan (2017)
Weng-Lang Yang (2018)
Laurie Kilpatrick (2018)
Alex Lentsch (2018)
Saman Arbabi (2018)
Timothy Buchman, Past President (2015)
Basilia Zingarelli, Past President (2016)
Robert Cooney, Past President (2017)

Development Committee:

Charles Caldwell, Chair (2017)
Edward Sherwood, ex officio (2015)
Steve Wolf
David L Williams
Daithi Heffernan
Rosemary Kozar

Finance Committee:

Michaela West, Chair (2016)
Charles Caldwell (2015)
Rosemary Kozar (2015)
Lorrie Langdale, ad hoc (2015)

International Relations Committee:

Daniel Remick, Chair (2015)
Timothy Buchman
Basilia Zingarelli
Robert Cooney
Irshad Chaudry
Tina Palmieri

Laboratory Animals Issues:

Penny Reynolds, Chair (2015)
Kevin McConnell (2016)
Narayanan Parameswaran (2017)
Shibani Pati (2018)

Membership Committee:

Wei Chao, Chair (2015)
Gary Nieman, Co-Chair (2016)
Teresa Zimmers (2017)
Joseph Messina, Past Chair (2015)

Diversity Subcommittee:

Joshua Gatson, (2016) Chair
Hongkuan Fan (2016) Co-Chair
Melanie Scott (2017)
Octavia Peck-Palmer, Past Chair (2015)

Mentorship Committee

Jennifer Kaplan, Chair
Deborah Carlson
Kevin McConnell
Richard Hotchkiss
Alfred Ayala, Senior Advisor
Basilia Zingarelli, Senior Advisor
Irshad Chaudry, Senior Advisor

Nominating Committee:

Robert Cooney, Chair (2018)
Basilia Zingarelli, (2017)
Timothy Buchman, (2016)
Daniel Remick (2015)

Publications Committee:

Charles Lang, Chair (2015)
Elizabeth Kovacs (2016)
Robert Barbee (2017)
Michael Karlstad (2018)

Rules Committee:

Rajesh Aneja, Chair ((2015)
Joshua Gatson (2016)
Mashkoor Choudhry (2017)
Haichao Wang (2017)

Scientific Program Committee:

Edward Sherwood (Chair 2015)
Perenlei Enkhbaatar (2015)
Hiroshi Saito (2015)
Marc Jeschke (Chair 2016)
Matthew Rosengart (2016)
Tracy Toliver-Kinsky (2016)
Clifford Deutschman (Chair 2017)
Philip Efron (2017)
Kevin McConnell (2017)