Greetings to all my TEPSS colleagues! I hope you enjoy this spring/summer 2014 issue of the newsletter for the Toxicologic and Exploratory Pathology Specialty Section of the Society of Toxicology. Let me assure you that the officers of TEPSS have been busy in the past few months and those activities are summarized in various sections of this newsletter. I now want to acknowledge the contributions and great positive attitude of all of the current and past officers (listed elsewhere in this newsletter), but in particular two individuals, Denny Meyer, past president and Sarah Tannehill-Gregg, retired councilor. Both of these fine folks bring such positivity and passion to everything they do and it has always been a pleasure for me to work with them under any circumstance, including as officers of TEPSS. Speaking of TEPSS officers, let me take this opportunity to encourage you to nominate someone (particularly yourself) to be considered for election to one of the officer positions in TEPSS. Several different functional roles are available and ‘fresh blood’ is always an asset.

TEPSS is a great networking group for all the pathologists and other folks that have a strong interest in pathology who also happen to be members of and attend the annual meeting of SOT. These interactions are focused at our lunchtime meeting during the SOT annual conference, during which time (Continued on Page 2)
we have the chance to enjoy a scientific presentation from a speaker of note on a topic considered to be of interest to the attending TEPSS membership. We will do this again at our meeting in San Diego in 2015 and I am now asking for your speaker suggestions for that lunchtime meeting. As you probably know, nailing down a local speaker of high repute and interest can be a bit tricky and take time. Thus, we are now hoping that you will give our request for speaker suggestions some thought and, if you know of or find folks in the San Diego area who you think would fit the bill, please pass on their name to any of the current TEPSS officers, and we will add that name to our pool of potential speaker candidates. Some great suggestions have already been made but we can always use more.

Another significant activity of impact that TEPSS engages in is the bestowing of awards. Follow this link and you will see them all [http://www.toxicology.org/ISOT/SS/TEP/awards.asp](http://www.toxicology.org/ISOT/SS/TEP/awards.asp). The awards are aimed at veterinary students, graduate students, pathology residents and postdoctoral fellows, and generally they support travel during their training program to the SOT meeting to enable presentation by the awardee of an accepted abstract. I personally never had the opportunity to do anything like that, so I imagine and know from experience that the recipients of these awards truly cherish this travel opportunity given to them by TEPSS. What you can do in all of this is to increase the awareness of these award opportunities by publicizing them to students and training programs that you are aware of or affiliated with.

Do you have passion about a subject matter area within a TEPSS domain about which you and some of your colleagues are expert? If you answered yes to that question then I am going to get my bullhorn out and shout at you to “Submit a proposal for an SOT annual meeting session!” I think we would all agree that the SOT annual meeting is one of, if not the premier continuing education event in toxicology. The primary reason for that, in my opinion, is that all of the sessions, whether they are symposia, roundtables or continuing education sessions, are of the highest quality. This is because the SOT meeting session proposal and acceptance process, while somewhat complicated, has a high degree of rigor and expects the proposers to have spent a significant amount of up front time thinking about session objectives and lining up speakers. Having acknowledged that somewhat high bar, if you have the passion and expertise I mentioned above, getting together a solid proposal will be ‘natch’ for you, and I sincerely hope that you will consider submitting a proposal for an upcoming SOT annual meeting.

Best wishes to you and have a nice summer!

David Hutto

Dr. David Hutto, President TEPSS 2014-2015
Keynote Speaker

Dr. John-Michael Sauer, Executive Director, Predictive Safety Testing Consortium (PSTC) at The Critical Path Institute.
Biomarkers: Building a Translational Safety Strategy

Book Raffle!
Graduate student Poojya Anantharam really enjoyed the lunch program at the SOT TEPSS meeting this March. She was very happy to hear about this specialty section and plans to become a student member next year. She is a toxicology graduate student at Iowa State University in the laboratory of Dr. Wilson K. Rumbeiha. Her research involves aspects of toxicologic pathology. She was thrilled to win the book raffle for the latest edition of Handbook of Toxicologic Pathology generously donated by Dr. Matt Wallig of the University of Illinois, Urbana.

Handbook of Toxicologic Pathology – expanded and updated 3rd Ed.
Now available!!!
Student Awards

We had a great response to our TEPSS sponsored student awards this year at the 2014 SOT Annual Meeting in Phoenix, Arizona! Three awards were offered, including the TEPSS Travel Award, the Charles River Travel Award, and the Roger O. McClellan Student Award (awarded in partnership with the CVSS). TEPSS would like to give special thanks to Dr. McClellan and Charles River for their continued interest in toxicologic pathology, and to their continued support of the education of young scientists interested in this field.

The TEPSS Travel Award and Charles River Travel Award are earned by applicants who are trainees (veterinary students, graduate students, or postdoctoral fellows) currently enrolled in a program leading to a DVM/VMD, MS, or PhD, or graduated with such a degree in the year preceding the meeting. They must be the first author of an SOT-accepted abstract whose toxicology research illustrates the integrated application of pathology endpoints with other scientific approaches to enhance the understanding of whole animal or tissue toxicologic responses. Abstracts are judged based on scientific merit and clarity of presentation, and special consideration is given to candidates whose professional goals include the incorporation of the science of pathology in their research work.

The Roger O. McClellan Student Award is awarded in conjunction with the Comparative & Veterinary Specialty Section. Nominees must be an SOT member enrolled in a program leading to a DVM or in a post-DVM residency or graduate program. They must have an abstract that has been accepted by the SOT and that describes hypothesis-driven research. Special consideration is given to abstracts that exemplify the role of comparative medicine in evaluating the safety/risk of exposure to chemicals or physical agents.

TEPSS Travel Award

There were 11 applicants for the TEPSS Travel award. Two trainees received the award this year, and presented their research at the TEPSS luncheon where they each received a plaque and $1000.

Roshni Rao, BS, MS; Graduate Student, University of South Carolina, School of Medicine
- Department of Pathology, Microbiology, and Immunology
- Mentor: Mitzi Nagarkatti, PhD
- Δ⁹Tetrahydrocannabinol prevents mice from Staphylococcal enterotoxin B-induced toxic death by the modulation of the miR-17-92 cluster and de novo induction of T-regulatory cells

Alessandro Venosa, PharmD; Graduate Student, Rutgers, Ernest Mario School of Pharmacy
- Department of Pharmacology and Toxicology
- Mentor: Debra L. Laskin, PhD
- Accumulation of distinct macrophage subpopulations in the lung following nitrogen mustard exposure; contribution of splenic monocytes
- Past TEPSS Graduate Student Representative
Charles River Travel Award

There were 7 applicants for the Charles River Travel Award. One trainee received the award this year, and presented their research at the TEPSS luncheon where they received a plaque and $1000.

Dilshan Harischandra, BS; Graduate Student, Iowa State University, Iowa Center for Advanced Neurotoxicology
- Department of Biomedical Sciences
- Mentor: Anumantha Kanthasamy, PhD
- The environmental neurotoxicant manganese promotes prion-like cell-to-cell transmission of α-synuclein via exosomes in cell culture and animal models of Parkinson’s disease

Roger O. McClellan Student Award (awarded in partnership with CVSSS)

There were 8 applicants for the Roger O. McClellan Student Award. One trainee received the award this year, and presented their research at the TEPSS luncheon where they received a plaque and $2000.

Kazuhsa Miyakawa, DVM; Graduate Student, Michigan State University, Graduate Program in Environmental and Integrative Toxicological Sciences
- Department of Pharmacology and Toxicology
- Mentor: Robert A. Roth, PhD, DABT
- Contribution of PAR-4 and thrombin to acetaminophen hepatotoxicity in mice

It’s Business Time!

Certifying organization | Number of Members
--- | ---
ACVP | 58
ABT | 54
ATS | 34
IATP | 8
ERT | 3
ACLAM | 2
ABCC | 1
ACVIM | 1
ASCP | 1
ECVP | 1

Specialty Section dues are important to our overall financial health as a section, and the timely renewal of your TEPSS membership is greatly appreciated. Thank you!!

<table>
<thead>
<tr>
<th>Year</th>
<th>Membership</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>162</td>
</tr>
<tr>
<td>2012</td>
<td>163</td>
</tr>
<tr>
<td>2013</td>
<td>169</td>
</tr>
<tr>
<td>2014</td>
<td>172</td>
</tr>
</tbody>
</table>

TEPSS Membership Demographics
Toxicologic Pathology Educational Initiative
Do you have possible externship possibilities where you do Tox Path work?
Do you have study material you are willing to donate to the Tox Path educational initiative?
To learn more, a poster describing this educational initiative will be presented at STP meeting in Washington D.C.
If you will not be at STP or need additional information, please contact Dr. Wanda Haschek-Hock (whaschek@illinois.edu) or Dr. Kathy Gabrielson (kgabriel@jhmi.edu) for details.

Student Award
TEPSS leadership is planning to add another student award this fall. Please watch out for the new award and encourage eligible students/trainees to apply. Please contact Dozie Amuzie (Chidozie.amuzie@mipiresearch.com) with suggestions/questions regarding TEPSS awards.

An upcoming TEPSS newsletter will feature these initiatives with more details.