Dear Fellow CTPVSS colleagues,

Happy November everyone!

We almost made it. It is probably not me who is alone in feeling that 2020 seems like a very long year with a lot of uncertainties and several adjustments to what we used to consider ‘normal way of life’. Most of us learned to work from home, made workspace at home, learned to Zoom video meetings, helping online classes for kids and so on... Like many of you, this has been a unique year for me to not travel for work or a scientific meeting, which I miss as I enjoy meeting people face to face and interact without having to look at Zoom screens. The demands of work and family obligations this year are more intense than ever. It is a critical time for us to remember to take time for yourself, exercise, connect with family and friends and start a new hobby (other than Zooming).

As we are heading into winter, we are all hoping for some level of normalcy, but many professional societies have opted to take conservative approaches and started planning for virtual meetings. SOT has made the decision to go virtual in 2021 and our specialty group will also plan for a virtual event in 2021.

We hosted our 2020 virtual business and award meeting on August 14. It was well attended by members and we were able to recognize award recipients and gave updates to members. I am glad that we were able to manage this virtual meeting. I would like to thank CTPVSS leadership team and SOT for helping organize this event.

This is our first newsletter of Comparative Toxicology, Pathology, and Veterinary Specialty Section. Thanks to the newsletter committee (Caroline, Jaclynn and Satya) for putting it together. Enjoy reading and please encourage students and trainees to apply for applying the awards for 2021. Stay tuned for announcements of upcoming events.

**Bhanu Singh**  
*President, CTPVSS 2020-2021*
**CTPVSS Business Virtual Meeting Highlights**

2020 CTPVSS Annual Business Meeting & Awards Ceremony

This virtual one-hour meeting will communicate important updates to the CTPVSS membership and will recognize the recipients of the 2020 CTPVSS awards.

**What we covered**

- Introduction of new board members
- Launch of the CTPVSS website
- Award Presentations
- Remarks of Dr. Roger O. McClellan, DVM, DABT, DABVT
- Financial Report
- Open discussion

**Thank you to our speakers**

Dr. Roger O. McClellan, DVM, DABT, DABVT
Bhanu Singh, BVSc, MS, DABT, DACVP, FIATP
Satya Achanta, DVM, PhD, DABT
Vanessa Schumacher, DVM, MS, DACVP, DABT
Tomas F. Magee, BA
Caroline Moore, DVM, PhD
and our 2020 Award winners!!

Thanks to over 40 of our CTPVSS members who attended the meeting!

No recording is published for this meeting, but we will be doing more in the future and will have recordings available!
Congratulations 2020-2021 CTPVSS Officers!

President: Bhanu Singh, BVSc, MS, DACVP, DABT, Fellow IATP

Vice President: Vanessa Schumacher, DVM, MS, DACVP, DABT

Vice President-Elect: Satya Achanta, DVM, PhD, DABT

Secretary/Treasurer: Tom Magee, BA

Councilors: Katherine Horzmann, DVM, PhD, MPH, DACVP

Vinicius Carreira, DVM, PhD, DACVP, DABT;

and Nisha A.R., BVSc, PhD

Postdoctoral Rep: Caroline Moore, DVM, PhD

Graduate Student Rep: Jaclynn Andres, PhD Student

Past Presidents: Sabitha Papineni, DVM, PhD; Heath Thomas, DVM, DACVP

Thank you Sabitha and Heath for your dedication and hard work to the comparative, toxicology, and veterinary sciences!

Read full officer biographies here – Connect with us via LinkedIn, email and through ToXchange.

ToXchange has a new look! Make sure to update your profile and stay up to date with advancements in SOT and the field of toxicology.
CTPVSS 2020 Award Recipients

CTPVSS/STP Student Award: Sharavan Ramachandran - Texas Tech University Health Sciences Center. *Pancreatic tumor growth suppression through induction of autophagy by a novel anti-Parkinson drug Pimavanserin*

CTPVSS Travel Award: Cody Smith - Rutgers University. *Role of PPARγ in the resolution of ozone induced lung injury*

“I was honored to learn that I had been awarded the 2020 SOT CTPVSS Travel Award. Receipt of this award will provide funds to travel to the SOT 2021 meeting where I will learn from and network with top scientists in the field of toxicology. I am particularly eager to interact with toxicologists with histopathological expertise as I strive to expand my technical and conceptual competencies in preparation for my independent research career where I intend to complement cellular and molecular mechanistic investigations and histopathological assessments of inhaled toxicant-induced injury in the lung.” - Cody

CTPVSS/Charles River Travel Award: Lindsey Burton - Colorado State University. *Administration of a Pharmacologic Iron Chelator Reduces the Development of Cartilage Lesions in an Animal Model of Idiopathic Osteoarthritis*

"I am extremely honored to have been selected as this year’s recipient of the Charles River Travel Award. Receiving this award has had a substantial impact on my research by providing me with the opportunity to present my work to a new, diverse audience. Through this, I had the chance to receive valuable feedback on my project from members of the CTPVSS. I hope to be able to attend a future SOT meeting to continue having constructive conversations with scientists in other fields of research." - Lindsey

Roger O. McClellan Student Endowment Award: Vasiliki Mourikes – University of Illinois. *Imidacloprid Interferes with Ovarian Antral Follicle Growth, Steroidogenesis, and Receptor Expression*

Congratulations to all of our 2020 SOT award winners!
CTPVSS 2020 Finances

Through the CVSS and TEPSS merger the two financial reports were combined. The final budget is roughly $6,000, with membership dues and final award breakdown needs considered. With the 2021 SOT Annual Meeting virtual we will be planning our awards accordingly.

Check it out today: New CTPVSS website

If you haven’t already, renew your SOT membership! During the SOT membership renewal process for 2020 you will be able to select the combined CTPVSS membership.

CTPVSS in Action

Giving feedback to NIH: Comments on NIH guideline: Enhancing Rigor, Transparency, and Translatability to Improve Biomedical Research Involving Animal Models was provided by CTPVSS membership and provided to SOT leadership. In this way the expertise of CTPVSS

CTPVSS Member Highlights

We asked what you were proud of in 2020 and here are your responses!

From: Caroline E. Moore, DVM, PhD, Steel Endowed Pathology Fellow, Disease Investigations, Institute for Conservation Research, San Diego Zoo Global.

- Dr. Moore was featured in an auction for San Diego Zoo Global – Food, Wine and Brew Celebration to talk about poison and wildlife, and did well!
- Dr. Moore was featured in the Postdoctoral Assembly Post-y newsletter in “Postdocs rising to the pandemic challenge...with a call for rigorous wildlife disease surveillance”
Dr. Achanta offered to speak in the Domestic ToxScholar program. If you know any schools that could benefit from a toxicology-driven lecture see details below!

- **Domestic ToxScholar Program**: Toxicologists visit primarily-undergraduate campuses (in-person or virtually) to present toxicology content relevant to chemistry, biology, and environmental science courses; in addition the speaker often meets informally to discuss career paths in the biomedical sciences.

- Dr. Achanta received an R21 grant from NIH CounterACT program (NIEHS) to study specialized pro-resolving mediators (SPMs) as potential medical countermeasures in a pig model of chlorine gas-induced acute lung injury. Dr. Sven-Eric Jordt, PhD will serve as multi-PI on this grant (1R21ES030331-01A1 (07/2020-06/2022).

- Dr. Achanta recently authored two publications –

Congratulations Dr. Vini Carreira, Scientific Director of Pathology at the West Coast site of Janssen Research & Development (Johnson & Johnson), for your recognition with the Barbara Jean Thompson Service Award!

“...He is an engaged member of the Society of Toxicology (SOT), Society of Toxicologic Pathology (STP), American College of Veterinary Pathology (ACVP), and American College of Toxicology (ACT). Vini volunteers as a scientific reviewer for many peer-reviewed journals, and he is a productive member in several committees in professional toxicology and toxicologic pathology organizations, within and outside North America. He is on the Board of Directors of the C.L. Davis-Thompson Foundation for the Advancement of Veterinary Pathology, where he served as the managing editor for its newsletter, as well as the Editor-in-Chief of the Diagnostic Exercise publications for almost a decade. Vini is avidly invested in training and career development and outreach and he is the chair of the Career Development and Outreach committee of the STP.” – C.L. Davis and S.W. Thompson DVM
SOT Updates

Postdoc and Graduate Student Representative updates

- Caroline Moore, Faculty United for Toxicology Undergraduate Recruitment and Education (FUTURE) postdoc representative update
  - A fantastic e-newsletter from FUTURE can be found here: Awards and funding opportunities, how SOT 2020 virtual meeting activities engaged students, and two segments on distance learning: 1) Teaching in a Pandemic: The Masked...the Virtual...the Hybrid 2) Toxicology Educator? Here are Some Resources for You!

Mentorship and Outreach

Book Club - “Never Eat Alone” by Keith Ferrazzi
This year, CTPVSS will be hosting and leading a book club to foster scientific and professional networking. We will be discussing “Never Eat Alone” By Keith Ferrazzi. This book will take a deep dive into the development of mind-sets and skill-sets to get ahead in the professional world of networking. You will discuss how to use these skills to not only develop work relationships, but to be comfortable communicating in professional environments.

If you are interested in mentoring or participating in the book club, please contact Caroline Moore (camoore@sandiegozoo.org ) or Jaclynn Andres (jfa68@scarletmail.rutgers.edu) by November 20th, 2020, so that we can provide you with a copy and more information.

Upcoming Events

CTPVSS COVID-19 Webinar
The CTPVSS is working to create more webinar-based programing, with a focus on COVID-19 pathologies and their effects on clinical presentation for our first presentation. Be on the lookout for more information through ToXchange in the coming weeks. If you have any topics or speakers you would like to feature in CTPVSS please email Bhanu at bps2005@gmail.com.
Award Applications 2021: Awards
CTPVSS is now accepting award applications for 2021 SOT abstract submissions! The deadline will be extended to December 31st, 2020. In addition, we will be updating our awards to reflect the virtual nature of SOT 2021 by removing the requirement of travel from our awards. Monetary awards will still be granted to our 2021 winners! Please visit Awards for award details.
Become involved with CTPVSS

Please Consider Supporting SOT CTPVSS Endowment Funds
Our joint CTPVSS endowment fund, the Roger O. McClellan Student Award Fund, enables the CTPVSS to provide an award for outstanding DVM/PhD Students. Your contribution will enable CTPVSS to recognize an outstanding individual for her/his accomplishment in the Veterinary Toxicology field. To review the fund and donate, kindly visit the New CTPVSS website.

"I was very surprised and pleased as the recipient of this prestigious award. This award is a great opportunity to continue the research and will help to pursue my passion in the veterinary toxicology field. I am very thankful to CTPVSS for such encouragement and it truly created a motivational impact in my research career. I am also very thankful to Dr. Roger O. McClellan for showing his generosity to support the graduate students by establishing this award. My current research work focuses on developing a diagnostic biomarker for manganese neurotoxicity and to other neurodegenerative conditions like Parkinson's and prion diseases. In the current study, I identified exosome-based biomarkers such as aggregated alpha-synuclein and some small RNA changes as potential biomarker value for manganese neurotoxicity. We developed a Real-Time quaking-induced conversion assay to detect the aggregated alpha-synuclein protein in a group of welder's populations using the serum exosomes." – Sireesha Manne, DVM, PhD Candidate, Iowa State University. 2019 Roger O. McClellan Award Recipient.

Reminder: Update your SOT ToXchange Profile: Now is the time to update your SOT profile on ToXchange! This membership directory serves you and others in many ways including for potential employers to search for their candidates, networking with current and future members and for SOT members to reach out to potential mentors. Update your profile and help others!

Many Ways to Get Involved with CTPVSS

- Volunteer to serve on a CTPVSS committee
- Nominate yourself for an officer position
- Serve as a CTPVSS Mentor
- Attend Annual CTPVSS Meeting

Click here to join the SOT Comparative Toxicology, Pathology, and Veterinary Specialty Section!

Click here (sothq@toxicology.org) to contact us and receive more information about a career in comparative toxicology, pathology and veterinary research!
Mark your Calendars for 2021 SOT Annual Meeting

It is virtual!

2021 SOT Annual Meeting Website!

The abstract submission period for the SOT 60th Annual Meeting and ToxExpo is September 15–December 1, 2020. Abstracts must be submitted through the online Abstract Submission System for consideration for the 2021 SOT Annual Meeting and ToxExpo.

Please note that some SOT awards are contingent upon having an abstract submitted to and accepted for the SOT Annual Meeting. Some of these award deadlines precede the abstract submission deadline, so plan accordingly.

Virtual Poster Sessions

Details on how and when posters will be presented as part of the Virtual Annual Meeting will be shared in the coming months.

Newsletter Committee:
Caroline Moore
Jaclynn F. Andres
Satya Achanta