

SOCIETY OF TOXICOLOGIC PATHOLOGY



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The Society of Toxicologic Pathology has recently been approached to endorse the "One Health Initiative."

The mission of the One Health Commission is the establishment of closer professional interactions, collaborations and educational opportunities across the health sciences professions, together with their related disciplines, to improve the health of people, animals and our environment.

As toxicologic pathologists, we have long been committed to the principles embraced by One Health. The Executive Committee of the STP is pleased to support this One Health Initiative as outlined in the following Brief Communication.

A handwritten signature in black ink that reads "Peter C. Mann". The signature is written in a cursive style with a large, looped initial "P".

Peter Mann, D.V. M., D.A.C.V.P.
President, STP

SOCIETY OF TOXICOLOGIC PATHOLOGY



Brief Communication

The Society of Toxicologic Pathology and the “One Health” Initiative

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The One Health concept seeks to synergize medical, veterinary, and other health sciences disciplines to more effectively advance human and animal health. These efforts are championed by the One Health Commission (<http://www.onehealthcommission.org/>). A broad interdisciplinary research agenda will be created that facilitates collaborations between professional organizations involved in health research, education and practice.

The chief executive officer of the new Commission is Dr. Roger Mahr, past-president of the American Veterinary Medical Association (AVMA). The AVMA previously formed the One Health Task Force to “study the feasibility of an initiative that would facilitate interdisciplinary collaboration to implement *One Health* principles” (<http://www.onehealthinitiative.com/>). The AVMA (<http://www.avma.org/onehealth/>) and American Medical Association (AMA) have both endorsed the "One Health" concept. More recently a One Health Summit held in Washington, D.C. included input from the Institute of Medicine and the National Research Council (<http://www.nationalacademies.org/news room>). At this summit, the Institute of Medicine announced plans to conduct a study in 2010 to advance the "One Health" vision.

"One Health" seeks to overcome the fragmentation of training and knowledge dissemination regarding such clinical entities as zoonotic and emerging infectious diseases (Kahn et al 2007). Health science fields such as pathology and toxicology have long histories of translating comparative and correlative information among various animal species and humans. In particular, veterinary pathology and veterinary toxicology have always practiced the "One Health" paradigm and as a result are positioned to make significant contributions to this new initiative. The historical and current state of "One Health" from a veterinary medical and veterinary pathology perspective has been recently reviewed (Cardiff et al 2008). Comparative pathology represents a fully integrated science across species, making veterinary pathologists highly qualified contributors to the "One Health" concept.

The Society of Toxicologic Pathology (STP) embraces "One Health" in both principle and practice. The STP's mission and vision statements clearly indicate the society's commitment to improvement of human and animal health through an interdisciplinary scientific approach based in pathology and toxicology. In 2008 the STP Executive Committee initiated a review of the STP's strategic plan (<https://www.toxpath.org/membersonly/StrategicPlan.pdf>). All four goals of the strategic plan involve strategies to improve and expand the STP's role in training, advocacy and collaboration through a comparative medicine based approach. The "Recruitment" goal seeks to broaden the membership base beyond veterinary professionals and to address critical workforce challenges. The "Advocacy" goal facilitates opportunities and collaborations with other societies to inform, educate and dialogue across disciplines. The "Globalization" goal seeks a worldwide presence, influence and impact in toxicologic pathology and public health. The "Education" goal focuses on providing educational opportunities through the dissemination of relevant scientific expertise and information to STP members, trainees in

pathology and toxicology, and allied partner groups through presentations, publications, and scientific symposia. In practice, STP members are leaders and valued collaborators in comparative medicine disciplines, contributing to understanding mechanisms of toxicity, identification of new and novel therapeutic targets, thorough efficacy, safety and toxicity evaluations of human and animal therapeutic products, and scientifically rigorous risk assessment. The STP is committed to advancing the “One Health” concept to benefit human and animal health and made “Toxicologic Pathology and its Relevance to Human Health“ the topic of the STP’s 2014 annual scientific meeting.

Cardiff, R. D., Ward J. M., and Barthold S. W. (2008). “One Medicine—One Pathology”: Are Veterinary and Human Pathology Prepared? *Lab Invest* 88, 18-26.

Kahn, L. H., Kaplan, B., and Steele, J.H. (2007). Confronting Zoonoses Through Closer Collaboration between Medicine and Veterinary Medicine (as “one medicine”). *Veterinaria Italiana*, 43, 5-19.