

# SOT Clinical and Translational Toxicology Specialty Section: Acetaminophen Induced Liver Toxicity: Mechanisms, Diagnosis and Treatment

## Free Webinar

Tuesday, October 30, 2018

1:00 – 2:00 pm EST

**Register Now!**

Acetaminophen (APAP) induced liver toxicity and liver failure remain serious issues. APAP overdose, both intentional and unintentional, accounts for more than 50% of the overdose related acute liver failure cases in the United States annually. While the pathway for biological activation of APAP is well understood, the mechanisms, diagnosis, clinical presentations, and treatments are less well understood and more variable. The webinar will begin with a discussion of the basic mechanisms of APAP induced hepatocyte cell death in mice and the translational application to human hepatocytes and humans with the thought that an understanding of these mechanisms may lead to potential new therapeutic targets.

Next, liquid biopsies and their use in identifying mechanisms of APAP toxicity in humans and the use of various biomarkers for early diagnosis and prediction of the potential outcome of APAP toxicity and acute liver failure, will be presented. Finally, a description of the clinical diagnosis of APAP overdose using protein adduct detection methods and applications, as well as clinical treatment of liver toxicity, will be discussed in order to provide a bench to bedside translation of the preclinical data presented. The webinar will end with a panel discussion to further integrate the information presented and encourage interactive learning.

**Registration is required.**

**Register Now!**