

miR-122 An Exploratory Biomarker of Liver Injury: An Industry Perspective on the State of the Science and Experiences Pre-Clinically and Clinically

The Critical Path Institute's Predictive Safety Testing Consortium (PSTC) hosted a webinar focused on providing an industry perspective on the state of the science and preclinical and clinical experiences with miR-122. This webinar was hosted by PSTC's Hepatotoxicity Working Group.

The first presentation discussed the current state of miR-122 as a safety biomarker of liver injury and highlighted recent work on miR-122 in exosomes during early hepatic injury. The following presentations provided a pharmaceutical industry perspective on the utility of miR-122 in preclinical and clinical studies. Rodent data generated by AbbVie demonstrated the utility of miR-122 in preclinical studies. Additionally, speakers from Pfizer and Genentech discussed human data generated in healthy volunteers and patient populations, the difficulties facing use of miR-122 in the clinic, and how miR signatures may add value to the evaluation of liver injury and liver disease.

Organizers: Kathila Rajapaksa, Genentech; Rachel Church, UNC; Tatiana Sharapova, AbbVie; Shelli Schomaker, Pfizer; William Proctor, Genentech; and Jennifer Burkey, Critical Path Institute

The webinar was held on May 2, 2017. The webinar is available here to the public.

Webinar Recording

Presentations

	Presentation Title and Presenter	Presentation
1	miR-122: More Than Just Your Average Leakage Biomarker <i>Rachel Church (University of North Carolina)</i>	
2	Evaluation of miR-122 as a Serum Biomarker for Hepatotoxicity in Investigative Rat Toxicology Studies <i>Tatiana Sharapova (AbbVie, Inc.)</i>	
3	Emerging Biomarkers of Liver Injury: from miR-122 to Liquid Biopsies <i>Shelli Schomaker (Pfizer, Inc.)</i>	

4	<i>Variability of Circulating miR-122 in Human Serum</i>	
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Will Proctor (Genentech, Inc.)