Research in our laboratory is focused on the intersection between blood coagulation and liver disease. Liver is the primary site of synthesis of numerous blood coagulation factors, and patients with liver diseases can develop profound changes in coagulation because of hepatic dysfunction. Strong clinical and experimental evidence also suggests that blood coagulation proteases and their targets can impact the pathogenesis of acute and chronic liver diseases. This seminar will focus on recent advances in our understanding of the mechanisms connecting coagulation to the pathogenesis of acute liver injury, and the surprisingly critical contribution of fibrin(ogen) in liver repair and regeneration.