



NIDDK P30 Center for Molecular Studies in Digestive and Liver Diseases Research Seminar



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“Immunological Mechanism of Liver Fibrosis Resolution”

Thursday, October 20, 2022

12:00 – 1:00 PM EST

901 Biomedical Research Building

Non-alcoholic steatohepatitis (NASH) is a leading cause of chronic liver disease that can progress to liver fibrosis and liver cancer. Although advanced liver fibrosis with activated hepatic stellate cells has been considered irreversible, recent clinical evidence demonstrated a substantial fibrosis resolution following successful antiviral treatment in patients with chronic viral infections and overturned the dogma. On the other hand, the reversibility of liver fibrosis in NASH and its underlying mechanisms of fibrosis resolution remain unclear.

Recently, we have found that a unique subset of CD8⁺ T cells with a resident memory phenotype (CD8⁺ Trm) plays a fundamental role on liver fibrosis resolution in a murine NASH model. In this seminar, we will review the mechanisms of liver fibrosis resolution and discuss potential future therapeutic applications.

The meeting will start promptly at 12:00 pm. Please be on time.