

NIDDK P30 Center for Molecular Studies in Digestive and Liver Diseases

# Research Seminar

12:00 PM – 1:00 PM

November 11, 2021

[https://penntestmed.zoom.us/j/92493022344?  
pwd=b1NYU3VVaTFmUS9YdIIiDaEFGNmdSQ09](https://penntestmed.zoom.us/j/92493022344?pwd=b1NYU3VVaTFmUS9YdIIiDaEFGNmdSQ09)



## Karen Piper Hanley, PhD

Professor of Molecular Medicine  
Director of Core Research Facilities  
Fibrosis Research Lead Wellcome Center  
for Cell-Matrix Research  
University of Manchester

*“Integrating single-cell and spatial transcriptomics defines altered cell states in human liver fibrosis”*

Meeting starts promptly at 12:00 pm. Please be on time.  
Everyone inside and outside of the division is welcome to attend.

For more information, please visit our website. <http://www.med.upenn.edu/gastro/>