



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



Mark Frey, Ph.D.

Director, Developmental Biology and Regenerative Medicine (DBRM) Research Program
Investigator, Gastroenterology, Hepatology and Nutrition
Associate Professor of Pediatrics, Keck School of Medicine of USC

"Dynamic Regulation of Epithelial Cell Differentiation and Function by Neuregulin Signaling"

Thursday, May 30th, 2024

12:00 – 1:00 PM EST

Lunch is provided, all are invited.

901 Biomedical Research Building or <https://pennmedicine.zoom.us/j/92047751580>

Dr. Frey will discuss how neuregulin-family growth factors (NRG1, 2, and 4) and their receptors (ErbB3 and ErbB4) help maintain intestinal epithelial homeostasis and promote regeneration after injury or inflammation. Previous studies from his lab defined key cell survival and differentiation pathways controlled by neuregulin signaling. His current work is focused on understanding the molecular mechanisms through which the NRG-ErbB axis both balances allocation of cells to specific lineages while also facilitating tight junction stability and barrier function.

Please visit <https://www.med.upenn.edu/CMSDLLD/>
for more information about past and future seminars.