



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



Ezra Burstein, MD, PhD

Berta M. and Dr. Cecil O. Patterson Chair in Gastroenterology
Professor and Division Chief
UT Southwestern

"Endosomal protein sorting – adding new pieces to a complex machinery (studies on the CCC and Retriever complexes)"

Thursday, September 29, 2022
12:00 – 1:00 PM EST

Dr. Burstein's research training and expertise is in the area of molecular immunology. Broadly, the work in his laboratory is focused on basic mechanisms that control inflammatory responses in human disease, particularly inflammatory bowel disease (IBD). Work from the laboratory has investigated the regulation of the NF- κ B transcription factor, which led to the discovery of the COMMD protein family. His group also investigated the basic functions of these factors in immune regulation, including the discovery of their role in endosomal protein sorting. More recently, the lab investigated the genetic and molecular basis of altered immunity in patients with defined Mendelian disorders. These studies led to important discoveries, including the identification of cytosolic RNA:DNA hybrids as regulators of the interferon pathway. 901 Biomedical Research Building

Dr. Burstein's research interests are:

- COMMD proteins: We study the regulation of endosomal protein sorting and immune function by members of this protein family.
- Genetics of inflammatory disorders: Our lab investigates the genetic basis of disorders of immune function, particularly affecting the GI tract
- Mucosal immunity and immune-tumor interactions in the GI tract

The meeting will start promptly at 12:00 pm. Please be on time.
Everyone inside and outside of the division is welcome to attend.