

## NIDDK P30 Center for Molecular Studies in Digestive and Liver Diseases



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



### **Laura Su, MD, PhD**

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### ***"Pre-existing T Cell Responses to Intestinal Antigens"***

Thursday, March 16, 2023

12:00 – 1:00 PM EST

901 Biomedical Research Building or Via Zoom

Direct study of humans is valuable and necessary to fully understand health and disease. We still do not understand why some vaccines are more effective than others, why people respond differently, and how the living environment impacts the risk for developing autoimmunity or response to infections. The Su lab investigates the intrinsic factors and external influences that modulate the breadth, strength, and durability of immune responses in humans. Uncovering these driving forces and understanding their interactions with one another will lead to better ways to prevent disease and to abrogate pathologic responses.

The overarching goal of the Su lab is to determine how T cell homeostasis is maintained or broken in healthy and diseased states. We are particularly interested in T cell engagement with microbial antigens during homeostasis as a mechanism for programming inflammatory or tolerogenic T cell responses in infectious and autoimmune diseases. We study T cell responses at a single-cell level and their collective behavior on a population level. We hope to uncover fundamental insights into human immunology to make meaningful impacts.

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