UCDAVIS HEALTH | SCHOOL OF MEDICINE

Medical Microbiology and Immunology
MMI 291 Seminar Series
Emerging Challenges in Microbiology and Immunology
Winter Quarter 2023 – CRN 33700

MMI 291 Seminar Series

Winter Quarter 2023 – CRN 33700 – Hybrid
(GBSF auditorium and Zoom)

"Autophagy controls mucus secretion from intestinal goblet cells by alleviating ER stress"

In the Bel lab we use state-of-the-art mouse models, combined with high resolution microscopy and molecular biology to understand how the intestine functions. We focus on epithelial cells to investigate how the intestine forms a barrier and why this barrier breaks down when inflammatory bowel diseases develop. Our mission is to understand why inflammatory bowel diseases develop and find clever ways to treat them.

Publications

Maria Naama, Shahar Telpaz, Aya Awad, Shira Ben-Simon, Sarina Harshuk-Shabso, Sonia Modilevsky, Elad Rubin, Jasmin Sawaed, Lilach Zelik, Mor Zigdon, Nofar Asulin, Sondra Turjeman, Michal Werbner, Supapit Wongkuna, Rachel Feeney, Bjoern O Schroeder, Abraham Nyska, Meital Nuriel-Ohayon and **Shai Bel***. Autophagy controls mucus secretion from intestinal goblet cells by alleviating ER stress. (2023) Cell Host & Microbe

Shai Bel, Mihir Pendse, Yuhao Wang, Yun Li, Kelly A Ruhn, Brian Hassell, Tess Leal, Sebastian E Winter, Ramnik J Xavier, Lora V Hooper. Paneth cells secrete lysozyme via secretory autophagy during bacterial infection of the intestine. (2017) Science

March 10

Shai Bel, Ph.D.
Principal Investigator
The Azrieli Faculty of Medicine
Bar-Ilan University

March 10, 2023
12:10 – 1 p.m.

Medical Microbiology and Immunology
School of Medicine

Seminar Contact:
Autumn Vega
530-752-9401
advega@ucdavis.edu

We hope to see you there!