



NAME OF LABORATORY: Research Center for Digestive Disorders and Liver Diseases

PI: Nathan Gluck MD, PhD

Research Director at the Division of Digestive Diseases: Prof. Zamir Halpern MD

Research Center Manager: Dr. Chen Varol PhD

Research Objectives:

We strive to understand the role of COMMD proteins, master regulators of NF-KB, in controlling the function of immune cells in inflammation, specifically inflammatory bowel disease. We focus on animal models as well as human tissue.

Main Research topics:

- Role of COMMD proteins in regulating monocyte and macrophage function in inflammatory bowel disease.
- COMMD proteins in regulating the sepsis response mediated by monocytes and macrophages.
- The role of COMMD proteins in bacterial handling by immune cells.
- The role of COMMD proteins in liver metabolism and liver steatohepatitis.

Staff: Shani Ben-Shlomo PhD, Odelya Mohadeb, MSc, PhD student

Active Grants:

- Israel Science Foundation (**ISF**)
- Ministry of Health, Chief Scientist

Collaborations:

- Ezra Burstein, UT Southwestern
- Bart Van de Sluis, University of Groningen
- Irit Sagi, Weizmann Institute of Science
- Martha Rozin, Hebrew University

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