



NAME OF LABORATORY: PEDIATRIC HEMATO-ONCOLOGY RESEARCH LABORATORY

PI: Dr. Ronit Elhasid MD

Director of Department: Dr. Ronit Elhasid MD

Research Objectives: The role of neutrophils and neutrophil extracellular traps (NETs) in various malignant and non-malignant diseases.

Main Research topics:

Neutrophil function and NETs in:

- Immune reconstruction after hematopoietic stem cell transplantation (HSCT)
- The occurrence of bacterial and fungal infections in pediatric acute leukemia
- Pediatric inflammatory bowel disease (IBD)
- Cancer immune surveillance

Staff: Dr. Ronit Elhasid MD, Dr. Yoav Binenbaum MD, Dr. Sivan Achituv MD

Active Grants:

- **Recanati** fund for medical research
- **U.S. -M.E.** Foundation (University of Miami)

Collaborations:

- Prof. Arturo Zychlinsky, Max Planck institute for infection biology, Berlin, Germany
- Prof. Baruch Wolach, Laboratory for Leukocyte Function, Meir Medical Center, Kfar Saba, Israel
- Dr. Shlomi Cohen, Pediatric Gastroenterology Unit, Tel-Aviv Sourasky Medical Center, TASMC

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