

BIOGRAPHICAL SKETCH**Liora Schultz, M.D.**806 Los Robles Ave.
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NAME: Liora Michal Schultz		POSITION TITLE: Pediatric Oncology, Postdoctoral Research Fellow	
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE	MM/YY	FIELD OF STUDY
York University, Toronto, Canada	B.Sc.	01/03	Psychology
University of Toronto, Canada	M.D.	06/07	Medicine
New York Presbyterian Hospital, Weill Cornell	Residency	06/10	Pediatrics
Memorial Sloan-Kettering Cancer Center	Fellowship	06/13	Hematology,Oncology
Stanford University	Postdoctoral Fellowship	Present	Immunotherapy

A. Personal Statement

I am currently postdoctoral research fellow pursuing immunotherapy research in the oncology department at Stanford University. My clinical training as a pediatric hematology oncology fellow at Memorial Sloan Kettering Cancer Center highlighted the desperate need for novel therapeutic options for a subtype of aggressive pediatric leukemia, Acute Myeloid Leukemia (AML). Despite our best standard of care for AML, long term survival rates range from 50-60% with an unacceptably high relapse rate of 40%. The urgent need for novel treatments inspired me to pursue a research project in adoptive immunotherapy, genetically modifying Tcells to express artificial T cell receptors, termed chimeric antigen receptors (CARs), that target AML specific antigens. In parallel to my clinical training, I constructed an AML specific CAR and demonstrated its ability to redirect T cell function mediating eradication of AML cells. As the field of CAR therapy rapidly advances, novel methods to optimize this therapeutic modality are imperative. To this end, supported by research demonstrating superior antitumor function of naïve derived effector T cells compared to central memory derived effector T cells, I am investigating whether preferential modification of naïve T cells to express CARs will generate a T cell subpopulation with increased efficacy. Consolidating my clinical and research experiences within highly academic institutes allows me to synthesize my pursuit of scientific rigor and commitment to the field of oncology, with a mission to achieve productive research and translatable results.

B. Positions Honors and Grants**Positions**

- 2010- 2013 Clinical Fellow, Department of Pediatric Hematology and Oncology, Memorial Sloan Kettering Cancer Center and New York Presbyterian Hospital, Weill Cornell
- 2011- 2013 Research Fellow, Department of Pediatric Oncology, Memorial Sloan Kettering Cancer Center
- 2013- Postdoctoral Research Fellow, Department of Oncology, Stanford University

Liora Schultz

Principal Investigator: Levy, Ronald

Board Certification

Board Certification in General Pediatrics, 2010

Honors

2000, 2001, 2002 Faculty of Pure and Applied Science Scholarship, York University, Toronto, ON

2005 Ivan H. Smith Memorial Studentship Award, Cancer Care Ontario and Hospital for Sick Children, Pediatric Oncology Department. Toronto, ON

2006 Kurdyak International Health Elective Award, Center for International Health and University of Toronto, Toronto, ON

2010 Betty Lee Fellowship, New York Presbyterian Hospital, Weill Cornell, 2010

Grants

2012-2014 St. Baldrick's Foundation Childhood Cancer Research Grant

C. Peer-reviewed Publications

Schultz L, Schwartz K, Gidrewicz D and Karim Z, (2007). The Toronto Notes 2007: Comprehensive Medical Reference, Pediatric Chapter. Pg 1-92.

Principal Investigator: Levy, Ronald

Principal Investigator: Levy, Ronald