

# ISRAEL CANCER RESEARCH FUND



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## RESEARCH AWARDS 2007-2008

AWARD	AWARDEE	INSTITUTION	PROJECT TITLE
<b>PROFESSORSHIPS</b>	<b>Yehudit Bergman, Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>Genetic and Epigenetic Mechanisms Involved in Oct-3/4-Induced Malignant Transformation</i>
	<b>Howard Cedar, M.D., Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>Regulation of Gene Expression in Animal Cells</i>
	<b>Aaron Ciechanover, M.D., D.Sc.</b>	Technion, Israel Institute of Technology	<i>Aberrant Ubiquitin-Mediated Regulation of Apoptosis in Prostate Cancer</i>
	<b>Avram Hershko, M.D., Ph.D.</b>	Technion, Israel Institute of Technology	<i>Control of Cell Division by Ubiquitin-Mediated Protein Degradation</i>
	<b>Yosef Shiloh, Ph.D.</b>	Tel-Aviv University	<i>New Branches in the ATM-Mediated DNA Damage Response</i>
	<b>Israel Vlodaysky, Ph.D.</b>	Technion, Israel Institute of Technology	<i>Targeting Heparanase, One Molecule with Multiple Functions in Human Cancer Progression</i>
<b>CLINICAL RESEARCH CAREER DEVELOPMENT AWARD</b>	<b>Itay Chowers, Ph.D.</b>	Hadassah Medical Organization	<i>Functional Genomic Approach to Investigate Uveal Melanoma Metastases Development</i>

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<b>BARBARA GOODMAN ENDOWED RCDA FOR PANCREATIC CANCER</b>	<b>Yuval Dor, Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>The Origins and Dynamics of Pancreatic Cancer: A Mouse Modeling Approach</i>
<b>RESEARCH CAREER DEVELOPMENT AWARDS  (RCDAs)</b>	<b>Eli Arama, Ph.D.</b>	Weizmann Institute of Science	<i>A Novel Ubiquitin Pathway for the Regulation of Caspase Activation/Apoptosis in Drosophila</i>
	<b>Ittai Ben-Porath, Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>Effects of INK4a Induction and In Vivo Senescence on Liver Regeneration and Tumorigenesis</i>
	<b>Limor Broday, Ph.D.</b>	Tel-Aviv University	<i>C. Elegans Model for Ubiquitin Mediated Regulation of Adhesion Dynamics</i>
	<b>Haim Cohen, Ph.D.</b>	Bar-Ilan University	<i>The Role of Ku70 and Ku86 Acetylation in Cellular Decision Between Survival and Apoptosis</i>
	<b>Michael Elkin, Ph.D.*</b> <i>(*RCDA in Pancreatic Cancer)</i>	Hadassah Medical Organization	<i>Heparanase in Pancreatic Cancer: Role in Pathogenesis and Implications for Novel Therapeutic Approaches</i>
	<b>Marcelle Machluf, Ph.D.</b>	Technion, Israel Institute of Technology	<i>Polymeric Delivery System for the Delivery of Endogenous Proteins – New Therapy Approach for Brain Tumor</i>
	<b>Nir Osherov, Ph.D.</b>	Tel-Aviv University	<i>Better Understanding and Treatment of Aspergillosis, A Major Killer of Neutropenic Cancer Patients</i>
	<b>Eli Pikarsky, M.D., Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>Tumor Escape from NF-<math>\kappa</math>B Inhibition – A Window to Understand Tumor Progression</i>
	<b>Rina Rosin-Arbesfeld, Ph.D.</b>	Tel-Aviv University	<i>Functional Analysis of the APC Tumor Suppressor Protein Truncations and Restoration of Wild Type APC</i>

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<b>RCDAs</b> <i>(continued)</i>	<b>Yaron Shav-Tal, Ph.D.</b>	Bar-Ilan University	<i>Cyclin D1 Proto-Oncogene Promoter Control: A Kinetic Analysis of Gene Activity Using In Vivo Imaging</i>
<b>POSTDOCTORAL FELLOWSHIPS</b>	<b>Julia Adler, Ph.D.*</b> <i>(*Kaylie Fellow)</i>	Weizmann Institute of Science	<i>The Role of NAD(P)H Quinone Oxidoreductase in the Stability of Proto-Oncogene c-Fos</i>
	<b>Dorit Avrahami, Ph.D.*</b> <i>(*Kaylie Fellow)</i>	Weizmann Institute of Science	<i>The Effect of Heterogeneity in Self Overexpressed Protein such as 1-8D as TAA Vaccines</i>
	<b>Marganit Farago, Ph.D.*</b> <i>(*Kaylie Fellow)</i>	Hebrew University/Hadassah Medical School	<i>Modulation of Wnt Signaling in Apical/Basolateral Cell Polarity of Intestinal Epithelial Cells (IECs)</i>
	<b>Liat Fux, Ph.D.</b>	Technion, Israel Institute of Technology	<i>Enzymatic Activity-Independent Functions of Heparanase: Molecular Basis and Clinical Significance</i>
	<b>Hagit Mann-Steinberg, Ph.D.</b>	Tel-Aviv University	<i>Inhibition of the Angiogenic Switch of Pancreatic Cancer by Polymer Conjugates of Angiogenesis Inhibitors</i>
	<b>Michal Mark-Danieli, Ph.D.*</b> <i>(*Kaylie Fellow)</i>	Chaim Sheba Medical Center	<i>Characterization of SIL Function in Mitosis and Cancer</i>
	<b>Gal Markel, Ph.D.</b>	Chaim Sheba Medical Center	<i>Novel CEACAM1-Based Immunomodulatory Approach for Melanoma Immunotherapy</i>
	<b>Eyal Zcharia, Ph.D.</b>	Hadassah Medical Organization	<i>Human Heparanase: A Promising Target for Therapeutic Strategies in Breast Cancer</i>
<b>PROJECT GRANTS</b>	<b>Haim Azhari, D.Sc.</b>	Technion, Israel Institute of Technology	<i>Feasibility Study of Breast Tumor Characterization using Computerized Ultrasonic Mammography and Contrast Materials</i>
	<b>Naama Barkai, Ph.D.</b>	Weizmann Institute of Science	<i>MAPK Signaling Specificity</i>

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<b>PROJECT GRANTS</b>  <i>(continued)</i>	Eitan Bibi, Ph.D.	Weizmann Institute of Science	<i>Multidrug Recognition and Transport by the E. coli Mdr Transporter MdfA</i>
	Eli Canaani, Ph.D.	Weizmann Institute of Science	<i>Global Targets and Associated Proteins of the Leukemic Protein MLL/AF4</i>
	Ari Elson, Ph.D.	Weizmann Institute of Science	<i>Molecular Studies of the Oncogene-Dependent Roles of Tyrosine Phosphatase Epsilon in Breast Cancer</i>
	Abraham Fainsod, Ph.D.	Hebrew University/Hadassah Medical School	<i>Genetic Regulation of Cell Proliferation During Gastrulation</i>
	Dan Hershko, M.D.	Rambam Medical Center	<i>Role of p27 in the Proliferation and Differentiation of Human Embryonic Stem Cells</i>
	Atan Gross, Ph.D.	Weizmann Institute of Science	<i>The Role of BID in the Response of Cells to DSB DNA Damage</i>
	Yoav Henis, Ph.D.	Tel-Aviv University	<i>Interactions and Endocytosis of Growth-Inhibitory Receptors</i>
	Shai Izraeli, M.D.	Chaim Sheba Medical Center	<i>Targeting SIL in Epithelial Malignancies</i>
	Chaya Kalcheim, Ph.D.	Hebrew University/Hadassah Medical School	<i>Mechanisms of Epithelio-Mesenchymal Conversion of Neural Crest Progenitors</i>
	Tamar Kleinberger, Ph.D.	Technion, Israel Institute of Technology	<i>Study of E4orf4-Induced Apoptosis In Vivo in a Drosophila Model system</i>
	Martin Kupiec, Ph.D.	Tel-Aviv University	<i>Telomere Length Control and Genome Stability</i>
Ofer Mandelboim, Ph.D.	Hebrew University/Hadassah Medical School	<i>Tumor Development in the Absence of the NK Activating Receptor Ncr1</i>	

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<b>PROJECT GRANTS</b>  <i>(continued)</i>	<b>Alon Margalit, Ph.D.</b>	MIGAL, Galilee Technology Center	<i>Pre-Clinical Evaluation of Novel Genetic Cancer Vaccines Encoding Dendritic Cell Activation Receptors</i>
	<b>Hanah Margalit, Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>Implications of MicroRNAs in Cancer</i>
	<b>Gera Neufeld, Ph.D.</b>	Technion, Israel Institute of Technology	<i>Inhibition of VEGF Induced Tumor Angiogenesis by Disruption of Neuropilin/VEGFR-2 Complex Formation</i>
	<b>Drorit Neumann, Ph.D.</b>	Tel-Aviv University	<i>Immune Mediated Anti-Neoplastic Effects of Erythropoietin: Focus on Dendritic Cells</i>
	<b>Ze'ev Paroush, Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>Phosphorylation of the Groucho Co-Repressor and its Mammalian Homologue TLE</i>
	<b>Yechiel Shai, Ph.D.</b>	Weizmann Institute of Science	<i>In Vitro and Animal Studies with Novel Cell Selective Innate-Immunity-Like Lytic Peptides against Prostate Cancer</i>
	<b>Haim Werner, Ph.D.</b>	Tel-Aviv University	<i>The Insulin-Cancer Hypothesis: Analysis of the Interactions Between Adiponectin and the IGF System</i>
	<b>Eitan Yefenof, Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>Deciphering the Kinases Required for Glucocorticoid-Induced Apoptosis of Leukemia Cells</i>
	<b>Joel Yisraeli, Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>VICKZ Proteins in Metastatic Colon Cancer: Basic Biology and Therapeutic Approaches</i>
	<b>Dov Zipori, Ph.D.</b>	Weizmann Institute of Science	<i>Therapy of Multiple Myeloma using a Cell and Gene Therapy Approach</i>