

# ISRAEL CANCER RESEARCH FUND



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## RESEARCH AWARDS 2008-2009

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>Alberto Gabizon, M.D., Ph.D.</b>	Shaare Zedek Medical Center	<i>Development of Targeted Liposome Formulations of Anti-Cancer Agents</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>Benjamin Dekel, M.D., Ph.D.</b>	Chaim Sheba Medical Center	<i>Isolation of Malignant Renal Stem Cells for Targeted Therapy of Wilms' Tumor</i>

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<b>RESEARCH CAREER DEVELOPMENT AWARDS (RCDAs)</b>	Rami Aqeilan, Ph.D.	Hebrew University/Hadassah Medical School	<i>Wwox Signaling in Bone Biology and in Osteosarcoma</i>
	Eli Arama, Ph.D.	Weizmann Institute of Science	<i>A Novel Ubiquitin Pathway for the Regulation of Caspase Activation/Apoptosis in Drosophila</i>
	Ittai Ben-Porath, Ph.D.	Hebrew University/Hadassah Medical School	<i>Effects of INK4a Induction and In Vivo Senescence on Liver Regeneration and Tumorigenesis</i>
	Limor Broday, Ph.D.	Tel-Aviv University	<i>C. Elegans Model for Ubiquitin Mediated Regulation of Adhesion Dynamics</i>
	Haim Cohen, Ph.D.	Bar-Ilan University	<i>The Role of Ku70 and Ku86 Acetylation in Cellular Decision Between Survival and Apoptosis</i>
	Michael Elkin, Ph.D.* <i>(*RCDA in Pancreatic Cancer)</i>	Hadassah Medical Organization	<i>Heparanase in Pancreatic Cancer: Role in Pathogenesis and Implications for Novel Therapeutic Approaches</i>
	Asaf Hellman, Ph.D.	Hebrew University/Hadassah Medical School	<i>Genomic Chemoreversible and Chemopreventable Epigenetic Patterns in Cancer</i>
	Eli Pikarsky, M.D., Ph.D.	Hebrew University/Hadassah Medical School	<i>Tumor Escape from NF-κB Inhibition – A Window to Understand Tumor Progression</i>
	Michal Sharon, Ph.D.	Weizmann Institute of Science	<i>Understanding the Structure Function Relationship of Jab1: A Mass Spectrometry Approach</i>
Yaron Shav-Tal, Ph.D.	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>	Efrat Assa-Kunik, Ph.D.	Weizmann Institute of Science	<i>Modes of Caspase Activation/Apoptosis Regulation in Drosophila da Neurons Dendrite Pruning</i>
	Dorit Avrahami, Ph.D.	Weizmann Institute of Science	<i>The Effect of Heterogeneity in Self Overexpressed Protein such as 1-8D as TAA Vaccines</i>

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<b>POSTDOCTORAL FELLOWSHIPS</b>  <i>(continued)</i>	Marganit Farago, Ph.D.	Hebrew University/Hadassah Medical School	<i>Modulation of Wnt Signaling in Apical/Basolateral Cell Polarity of Intestinal Epithelial Cells (IECs)</i>
	Liat Fux, Ph.D.	Technion, Israel Institute of Technology	<i>Enzymatic Activity-Independent Functions of Heparanase: Molecular Basis and Clinical Significance</i>
	Anna Mattout, Ph.D.	Hebrew University of Jerusalem	<i>Chromatin Dynamics During Somatic Cell Reprogramming into Induced Pluripotent Stem Cells</i>
	Marjorie Pick, Ph.D.	Hebrew University of Jerusalem	<i>Directed Differentiation of Human Embryonic Stem Cells Towards Mesoderm and Hematopoietic Progenitors</i>
	Zaidoun Salah, Ph.D.	Hadassah Medical Organization	<i>The Role of HPar1 in Tumor Progression: Transcriptional Regulation and Stroma-Epithelial Cross Talk</i>
<b>PROJECT GRANTS</b>	Mordechai Aboud, Ph.D.	Ben-Gurion University of the Negev	<i>Role of Caspases in HTLV-1 LTR Activation by Genotoxic Agents</i>
	Gil Ast, Ph.D.	Tel-Aviv University	<i>Identification of Cancer-Specific Splice Variants</i>
	Naama Barkai, Ph.D.	Weizmann Institute of Science	<i>MAPK Signaling Specificity</i>
	Avri Ben-Ze'ev, Ph.D.	Weizmann Institute of Science	<i>Novel Mechanisms in B-Catenin-Mediated Colon Cancer Invasion and Metastasis</i>
	Itai Benhar, Ph.D.	Tel-Aviv University	<i>Bigger or Smaller, Which is Superior in Targeted Cancer Therapy?</i>
	Raanan Berger, M.D.	Chaim Sheba Medical Center	<i>The Role of ERG Gene in Human Prostate Tumorigenicity</i>
	Michael Brandeis, Ph.D.	Hebrew University of Jerusalem	<i>The "Degradome" of the Anaphase Promoting Complex / Cyclosome</i>

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<b>PROJECT GRANTS</b>  <i>(continued)</i>	<b>Dan Canaani, Ph.D.</b>	Tel-Aviv University	<i>Breast Cancer: From Lead Compounds to Potential Therapeutic Targets</i>
	<b>Eli Canaani, Ph.D.</b>	Weizmann Institute of Science	<i>MLL Proteins, Histone Methylation and Acute Leukemia</i>
	<b>Yoram Cohen, M.D.</b>	Chaim Sheba Medical Center	<i>Germline DNA Methylation and Risk of Ovarian Cancer Among BRCA1/2 Mutation Carriers</i>
	<b>Rivka Dikstein, Ph.D.</b>	Weizmann Institute of Science	<i>Regulation of NF-<math>\kappa</math>B Target Genes by Elongation Factors: Mechanism and Significance</i>
	<b>Zvulun Elazar, Ph.D.</b>	Weizmann Institute of Science	<i>Understanding the Role of ROS and Autophagy in Carcinogenesis</i>
	<b>Ari Elson, Ph.D.</b>	Weizmann Institute of Science	<i>Molecular Studies of the Oncogene-Dependent Roles of Tyrosine Phosphatase Epsilon in Breast Cancer</i>
	<b>Abraham Fainsod, Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>Genetic Regulation of Cell Proliferation During Gastrulation</i>
	<b>Yoav Henis, Ph.D.</b>	Tel-Aviv University	<i>Interactions and Endocytosis of Growth-Inhibitory Receptors</i>
	<b>Dan Hershko, M.D.</b>	Rambam Medical Center	<i>Role of p27 in the Proliferation and Differentiation of Human Embryonic Stem Cells</i>
	<b>Mahmoud Huleihel, Ph.D.</b>	Ben-Gurion University of the Negev	<i>Propolis, a Natural Agent with Therapeutic Potential for HTLV-1 Adult T-Cell Leukemia</i>
	<b>Shai Izraeli, M.D.</b>	Chaim Sheba Medical Center	<i>Targeting SIL in Epithelial Malignancies</i>
<b>Chaya Kalcheim, Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>Mechanisms of Epithelio-Mesenchymal Conversion of Neural Crest Progenitors</i>	

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<b>PROJECT GRANTS</b>  <i>(continued)</i>	<b>Shulamit Katzav, Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>Understanding the Role of Vav1, a Hemopoietic Protein, in Pancreatic Cancer</i>
	<b>Tamar Kleinberger, Ph.D.</b>	Technion, Israel Institute of Technology	<i>Study of E4orf4-Induced Apoptosis In Vivo in a Drosophila Model system</i>
	<b>Martin Kupiec, Ph.D.</b>	Tel-Aviv University	<i>Telomere Length Control and Genome Stability</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>Varda Rotter, Ph.D.</b>	Weizmann Institute of Science	<i>The Role of p53 in Cell Differentiation and its Relevance to Cancer</i>
	<b>Siegal Sadetzki, M.D.</b>	Chaim Sheba Medical Center	<i>The BRIP1 Gene - A Candidate Genetic Marker for Radiation Sensitivity in Meningiomas</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>	

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<b>PROJECT GRANTS</b>  <i>(continued)</i>	<b>Ruth Shalgi, Ph.D.</b>	Tel-Aviv University	<i>Doxorubicin Induced Ovarian Toxicity Mechanism, Possible Executors - Potential Prevention</i>
	<b>Itamar Simon, Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>Using a "p53 Focused Array" to Understand p53 Specificity in Gene Regulation</i>
	<b>Joseph Sperling, Ph.D.</b>	Weizmann Institute of Science	<i>Stress-Induced Alternative Splicing in Health and Disease</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>Joel Yisraeli, Ph.D.</b>	Hebrew University/Hadassah Medical School	<i>VICKZ Proteins in Metastatic Colon Cancer: Basic Biology and Therapeutic Approaches</i>