

## REQUESTS FOR FUNDING 2020 CANCER RESEARCH FELLOWSHIPS

REF. #	INSTITUTION	RESEARCHER	RESEARCH SUBJECT	FUNDING REQUESTED	
1	20200006	Meir Medical Center	Dr. Liat Drucker	Shuttle of Ribosomal Proteins from Multiple Myeloma (MM)-MSCS into MM cells: disease progression marker & novel therapeutic target.	<b>Funding Requested \$22,000</b>
2	20200007	Bar-Ilan University	Dr. Michael Blank	Investigating the Smurf2/lamin A axis in tumor cell biology to help develop new more efficient anticancer drugs & treatment strategies.	<b>Funding Requested \$22,000</b>
3	20200010	The Hebrew University of Jerusalem	Prof. Dan Gibson	Novel multi-action anticancer agents. Plan is to combine 2 or 3 FDA approved anticancer drugs into a single molecule that remains intact until it meets the cancer cells.	<b>FUNDED</b>
4	20200011	The Hebrew University of Jerusalem	Prof. Avi Hai-Hovav	Elucidating the protective mechanisms by which Langerhans cells inhibit the development of oral squamous cell carcinoma.	<b>Funding Requested \$22,000</b>
5	20200012	Rambam Medical Center	Prof. Miriam Ben Arush	Your pain, my suffering: Can an integrative medicine consultation improve quality of life of the parents of a child recently diagnosed with cancer? A preference-controlled study.	<b>Funding Requested \$22,000</b>
6	20200018	The Hebrew University of Jerusalem	Prof Boaz Tirosh	Improved efficacy of tyrosine kinase inhibitors by selective ER-retention.	<b>FUNDED</b>
7	20200019	Tel-Aviv University	Prof. Rina Rosen-Arbesfeld	Promoting personalized therapeutic intervention for Familial Adenomatous Polyposis (FAP) patients harboring APC nonsense mutations.	<b>Funding Requested \$22,000</b>
8	20200021	Haemek Medical Center	Dr. Cohen Idan	Characterization of recurrent mutations in H2B histone variants as potential novel oncohistone mutations controlling human "jumping genes" in epithelial cancers including lung, breast, colon & ovarian carcinomas.	<b>Funding Requested \$22,000</b>
9	20200028	Tel-Aviv University	Prof. Gil Ast	Analysis of regulatory pathways leading to alternative splicing aberrations in breast cancer.	<b>FUNDED</b>

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10	20200031	Bar-Ilan University	Prof. Ilanit Hasson-Ohayon	Couples communication about the cancer experience, support provision and recipient and psychological outcome of both partners: an electronic diary study.	<b>Funding Requested \$22,000</b>
11	20200037	Tel-Aviv University	Dr. Yoni Haitin	Identifying GGPPS inhibitors for cancer treatment using a high-throughput molecular approach.	<b>Funding Requested \$22,000</b>
12	20200042	Tel-Aviv Sourasky Medical Center	Dr. Niv Pencovich	The transcriptional expression pattern of Myeloid Derived Suppressor Cells (MDSCs) as a biomarker for <b>colorectal cancer</b> load response to therapy & recurrence.	<b>Funding Requested \$22,000</b>
13	20200043	Sheba Medical Center	Prof. Ziv Ben Arye	The direct effect of microbial alterations on the development of hepatocellular carcinoma (HCC), to better understand whether microbial alterations can lead to the development of HCC in the context of cirrhosis.	<b>FUNDED</b>
14	20200044	Tel-Aviv Sourasky Medical Center	Prof. Yair Harishanu	Spatial and dynamics of early B-cell receptor signaling and actin cytoskeleton in Chronic lymphocytic leukemia (CLL) cells.	<b>Funding Requested \$22,000</b>
15	20200049	Tel-Aviv University	Dr. Shahar Lev-Ari	The effect of Inquiry based stress reduction (IBSR) intervention technique on quality of life, well-being, optimism & health behavior of BRCA1/2 carriers: A randomized controlled trial.	<b>Funding Requested \$22,000</b>
16	20200052	Rabin Medical Center Beilinson Campus	Prof. Baruch Brenner	Phase II trial to evaluate the addition of nivolumab to neoadjuvant chemoradiation with FOLFOX for locally advanced rectal cancer.	<b>Funding Requested \$22,000</b>
17	20200053	The Open University	Dr. Ariel Stanhill	Evaluating the cellular and pathological roles of RNF149 in Myeloproliferative Neoplasm (MPN) formation. MPN are a group of diseases characterized by abnormal proliferation of cells within the bone marrow.	<b>FUNDED</b>

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18 <b>20200057</b>	<i>Technion-Israel Institute of Technology</i>	Prof. Moran Benhar	Regulation of <b>colon cancer</b> cell apoptosis (regulated cell death) by hydrogen sulfide.	<b>FUNDED</b>
19 <b>20200067</b>	<i>Sheba Medical Center</i>	Dr. Noam Nissan	Delayed contrast-enhanced breast MRI: A new means of cancer detection, diagnosis and stratification.	<b>FUNDED</b>
20 <b>20200076</b>	<i>Schneider Children's Medical Center of Israel</i>	Dr. Shifra Ash	Genetic analysis of <b>sporadic differentiated thyroid cancer</b> as a novel approach for management and prognosis – comparison between pediatric and adult patients.	<b>Funding Requested \$22,000</b>
21 <b>20200079</b>	<i>The Hebrew University of Jerusalem</i>	Prof. Joel Yisraeli	Small Molecule Inhibitors of the Oncofetal Protein, VICKZ1. VICZ proteins are RNA binding proteins & elevated levels of these increase the mortality rate in lung adenocarcinoma patients so we are testing a molecule that can inhibit binding of VICZ1.	<b>Funding Requested \$22,000</b>
22 <b>20200080</b>	<i>Technion-Israel Institute of Technology</i>	Prof. Nabiah Ayoub	Exploiting the novel role of RBM6 in DNA double-strand break repair for targeting RBM6- deficient cancer cells. Novel gene RBM6 helps fix DNA lesions & the goal is to optimize cancer treatment by targeting RBM6 deficient cells.	<b>Funding Requested \$52,000 (Advanced Fellowship)</b>
23 <b>20200081</b>	<i>Sheba Medical Center</i>	Dr. Elad Jacoby	Parameters of efficacy, toxicity and trafficking of CAR T cells treating Central Nervous System leukemia.	<b>Funding Requested \$22,000</b>
24 <b>20200083</b>	<i>Bar Ilan University</i>	Dr. Meital Gal-Tanamy	The involvement of EGFR signaling pathway in Hepatitis C virus-induced spread of <b>liver cancer</b> pre and post cure of infection.	<b>Funding Requested \$22,000</b>
25 <b>20200084</b>	<i>The Hebrew University of Jerusalem</i>	Prof. Moshe Kotler	APOBEC3G promotes bone marrow cells genotoxic resistance and avoids pre-neoplastic initiation in mice.	<b>Funding Requested \$22,000</b>

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26	20200086	Haifa University	Prof. Miri Cohen	The role of psychological factors and stress-related biomarkers in the response to immunotherapy (PD1/PDL1 inhibitors) in patients with advanced cancer.	<b>Funding Requested \$22,000</b>
27	20200088	The Hebrew University of Jerusalem	Dr. Maayan Salton	Epigenetic regulation of CD44 alternative splicing following serum-induction. CD44 is a cell surface signal transducing receptor that influences motility, cell survival and proliferation as well as the formation of tumor microenvironment. Alternative splicing can produce various isoforms of CD44 with properties that may have diverse effects on cancer progression.	<b>Funding Requested \$22,000</b>
28	20200092	Bar Ilan University	Prof. Chaya Brodie	Exosomal non-coding RNAs as circulating biomarkers in meningiomas (brain tumors).	<b>Funding Requested \$22,000</b>
29	20200095	Technion-Israel Institute of Technology	Dr. Assaf Bester	Targeting non-coding RNAs that mediate <b>leukemia</b> maintenance and resistance to targeted therapy.	<b>Funding Requested \$22,000</b>
30	20200096	Technion-Israel Institute of Technology	Prof. Tali Haran	Towards validating a new model for p53 "gain-of-function" in cancer.	<b>Funding Requested \$22,000</b>
31	20200098	Technion-Israel Institute of Technology	Dr. Shenhav Cohen	Developing novel tailor made diets to tackle cancer-induced cachexia.	<b>FUNDED</b>
32	20200102	Ben-Gurion University of the Negev	Prof. Angel Porgador	Nanochip for personalized assessment of checkpoint immunotherapy. Goal is to develop chip technology to be used for assessment of patient sensitivity to specific immune checkpoint blockade before & during treatment.	<b>Funding Requested \$22,000</b>
33	20200104	Tel Aviv Sourasky Medical Center	Dr. Ido Wolf	Activating mutations of the estrogen receptor: novel players in the formation of liver metastasis in breast cancer.	<b>FUNDED</b>

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34	20200106	Sheba Medical Center	Dr. Dana Ishay-Ronen	Patient-derived breast cancer organoid platform to evaluate trans-differentiation.	<b>FUNDED</b>
35	20200111	Tel-Aviv University	Dr. Uri Ben- David	Identifying cellular vulnerabilities induced by the most common chromosomal change in breast cancer.	<b>Funding Requested \$22,000</b>
36	20200112	Azrieli Academic College	Dr. Tali Tavor-Re'em	Role of bioactive lipids in exosome secretion and metastatic niche formation in Ovarian Cancer.	<b>Funding Requested \$22,000</b>
37	20200115	Tel-Aviv University	Prof. Drorit Neumann	Cannabinoid agonist raises hemoglobin levels: Implications for treating anemia in cancer.	<b>Funding Requested \$22,000</b>
38	20200122	Rambam Medical Center	Dr. Hadar Zigdon-Giladi	Revealing the crosstalk between osteosarcoma and endothelial progenitor cells.	<b>Funding Requested \$22,000</b>
39	20200128	Rambam Medical Center	Dr. Karin Weiss	Elucidating the role of CHD4 in serious endometrial carcinoma.	<b>Funding Requested \$22,000</b>
40	20200132	Tel-Aviv University	Prof. Marcelo Ehrlich	Breached defenses: epigenetic silencing of immunity genes regulates oncolytic immune virotherapy raising prospects of combination therapy	<b>Funding Requested \$22,000</b>



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41	20200134	Hadassah Medical Center Ein Kerem Campus	Dr. Adir Shaulov	Early integrative palliative care in multiple myeloma patients.	<b>FUNDED</b>
42	20200136	Bar-Ilan University	Prof. Shay Ben Aroya	Elucidating the mechanism leading to the chromosomal instability in colorectal cancer cells overexpressing APC11, the catalytic subunit of the anaphase-promoting complex/cyclosome (APC/C).	<b>Funding Requested \$22,000</b>

Israel Cancer Association is the leading and largest health-related organization in Israel but receives no government funding, depending entirely upon private donations.

ICA USA is a nonprofit 501(c)(3) organization established in Palm Beach, Florida. Our mission is to raise fellowships that support cancer research conducted by brilliant scientists at hospitals, universities and institutions throughout Israel.