

	Researcher Name	Research Fields	E-mail Address
1	<u>Aframian Doron</u>	Saliva as a tool for diagnosis\ Salivary gland impairment - tools for assessments	dorona@cc.huji.ac.il
2	<u>Bachrach Gilad</u>	nucleatum in fusobacterium of Involvement colorectal carcinoma\ Evolutional development of the oral microbiota along the past 6000 years\ Mechanisms of host defense peptides for maintaining oral health \Role disease in healthand nucleatum fusobacterium of	giladba@ekmd.huji.ac.il
3	<u>Ben-Bassat Yocheved</u>	The prevalence of occlusal traits in Arabic teenagers\ Assessment of the need for orthodontic treatment in Israeli teenagers\ The prevalence of occlusal traits in Jewish teenagers today in comparison to the 20th Century\ Dental anomaly patterns in patients with hemifacial microsomia	yocheved@md.huji.ac.il
4	<u>Beyth Nurit</u>	Dental materials\ Antibacterial materials\ Biomaterials	nuritb@ekmd.huji.ac.il
5	<u>Burstyn-Cohen Tal</u>	Role of TAM signaling in retinal homeostasis and retinal degeneration\ Unraveling the role of protein S in adult neurogenesis\ Role of TAM signaling in homeostatic regulation of blood vessels in development and adulthood\ Investigating the role of protein S in tumorigenesis and metastasis	talbu@ekmd.huji.ac.il

6	<u>Deutsch Dan</u>	Regeneration of ligaments and cartilage using recombinant amelogenin proteins\ Regeneration of mesenchymal tissues using mesenchymal stem cells engineered to overexpress amelogenin\ Amelogenin knockout mice; studying developmental changes from early prenatal stages to very old age\ Molecular mechanisms of TGF β involvement in hypoxia	dande@ekmd.huji.ac.il
7	<u>Dvir-Ginzberg</u> <u>Mona</u>	Sirtuin Cleavage under proinflammatory stress of human chondrocytes\ Epigenetic effects leading to changes in cartilage-related gene expression\ The effect of mechanical deformation on epigenetic circuits and related gene expression	monad@ekmd.huji.ac.il
8	<u>Feuerstein Osnat</u>	Light-tissue interaction\ effects of lasers and non-coherent visible light on cells\ Phototoxic effect on microorganisms\ Dental materials and technologies	fosnat@hadassah.org.il
9	<u>Gazit Dan</u>	Stem cell and gene therapies for skeletal tissue regeneration\ The role of resident stem cells in degeneration and regeneration processes in the skeleton\ Novel molecular imaging modalities for in vivo monitoring of stem cell fate	danga@ekmd.huji.ac.il
10	<u>Hazan Ronen</u>	How bacteria communicate to control their multicellular behaviors which include differentiation, biofilm formation, persisters and in particular bacterial programmed cell death and autolysis \ Development of anti infective therapeutic based on bacterial communication and quorum sensing \ Phage therapy	ronenh@ekmd.huji.ac.il
11	<u>Houri-Hadad Yael</u>	Genetic susceptibility to periodontal disease\ Multi species biofilm model for periimplantitis\ Developing antibacterial modalities for periimplantitis therapy	yaelho@ekmd.huji.ac.il

12	<u>Hovav Avihai</u>	The origin and function of dendritic cells of the oral mucosa in steady state and inflammation\ The mechanisms utilized by mucosal and skin dendritic cells to prime T cells immunity\ Immune mechanisms regulating periodontal diseases\ Analysis of vaccine modalities for the induction of cell-mediate immunity	avihaih@ekmd.huji.ac.il
13	<u>Nussbaum Gabriel</u>	Toll-like receptor signaling in the immune response to oral pathogens\ Immune evasion mechanisms of oral bacteria\ The role of MyD88 in autoimmune pathogenesis	gabrieln@ekmd.huji.ac.il
16	<u>Aharon Palmon</u>	The phenotypic and functional characterization of salivary gland stem cell\ Isolation, characterization and transplantation of human salivary gland stem cells to restore salivary gland function after irradiation therapy\ Effect of irradiation on cell transcriptome and proteome of salivary glands\ Examination of proteomic Pretreatment strategies for increased diagnostic value of oral fluids in healthy and disease human models	aharonp@ekmd.huji.ac.il
17	<u>Sgan-Cohen, D. Harold</u>	Dental Epidemiology\ Preventive Dentistry	harolds@cc.huji.ac.il
18	<u>Shapira Lior</u>	The role of inflammation and its resolution in periodontal disease\ Mechanism of peri-implant inflammation\ Clinical and pre-clinical studies of dental implants and bone augmentation Biofilms, aspect of: bacteria, enzymes, genes\	shapiral@cc.huji.ac.il
19	<u>Steinberg Doron</u>	Bacteria – bacteria communication\ Drugs and sustained release drug delivery affecting biofilms	dorons@ekmd.huji.ac.il

20	<u>Tal Michael</u>	Mechanisms of chronic neuropathic pain\ Relationship between sensory and motor modalities in the oro-facial area	talm@cc.huji.ac.il
21	<u>Zeltser Rephael</u>	Maxillofacial trauma\ Neuropathic pain	rzeltser@hadassah.org.il
22	<u>Zemel Assaf</u>	Cell movements and cytoskeleton mechanics\Cell-adhesion and shape acquisition of biological cells\Cell-Cell mechanical interactions and mechanics of Morphogenesis	assafz@ekmd.huji.ac.il
23	<u>Kravchenko-Balasha Nataly</u>	Development of new analytical approaches based on principals from physics and chemistry to non-equilibrium biological systems\Cancer biology and systems biology.\Quantitative understanding of protein signaling networks in healthy and diseased tissues./Biophysics of cell-cell / cell-environment communication and cell migration.	natalyk@ekmd.huji.ac.il