

Funded BARD Senior Research Fellowships, 1990 - 2024

<u>BARD Number</u>	<u>Applicant & Institution</u>	<u>Host & Institution</u>	<u>Proposal Title</u>
FR-1-90	Simon, R.D. NYSU, ESF	Abeliovich, A. U Ben Gurion	The exploration of natural mechanisms of evaporation control: Studies on the air/water interface in extreme environment
FR-2-90	Bendheim, P.E. Weizmann Inst.	Ginzburg, I. Weizmann Inst.	Production of Transgenic Sheep Resistant to Scrapie
FR-3-92	Stapleton, J.J. UC, ANR	Grinstein, A. ARO, Min. Ag.	Characterization, Quantification, and improvement of the soil sealing capability of synthetic latex soil mulches
FR-4-92	Pick, D.H. USDA, ARS	Bigman, D. U Hebrew	Exchange rate policies, exchange rate risk and the Israeli agricultural export sector
FR-5-93	Sinclair, T.R. U NC State	Amir, J. ARO, Min. Ag.	Simple process model for wheat growth and yield to include extreme environmental conditions
FR-6-94	Ringo, J.M. U Maine	Cohen, E. U Hebrew	Genetics of organophosphate-resistance in Drosophila
FR-10-98	Raboy, V. USDA, ARS	Hershenhorn, J. ARO, Min. Ag.	Mutation genetics, Approaches to Maize improvement
FR-11-99	Citovsky, V. NYSU, Stony Brook	Livnah, O. U Hebrew	Crystallographic analysis of Agrobacterium VirD2 and VirE2 proteins involved in T-DNA nuclear import
FR-13-00	Pichersky, E. U Michigan	Lewinsohn, E. ARO, Min. Ag.	Prospecting for Scent and Flavor Genes Among Israel's Native Flora
FR-15-00	Goldman, I.L. U Wisconsin	Hirschberg, J. U Hebrew	Biosynthesis of Alpha Tocopherol (Vitamin E) and Novel Carotenoids in Carrot Roots
FR-16-03	Polston, J.E. U Florida	Lapidot, M. ARO, Min. Ag.	Elucidating the mechanism of Broad-spectrum resistance to TYLCV generated by constructs containing the TYLCV Rep Gene
FR-18-05	Levi, A. USDA, ARS	Katzir, N. ARO, Min. Ag.	Identifying and characterizing differentially expressed genes in watermelon and melon fruits
FR-20-07	Strobel, G.A. U Montana St.	Ezra, D. ARO, Min. Ag.	The Agricultural Potential of Muscodor spp. - Volatile Antibiotic Producing Funge
FR-21-07	Silverstein, J. USDA, ARS	Weller, J.I. ARO, Min. Ag.	Development of QTL mapping procedures for outbreeding populations of fish
FR-22-07	Muth, T. Br'klyn College	Levy, A.A. Weizmann Inst.	Gene targeting by homologous recombination in plants
FR-27-10	Zhang, A. USDA, ARS	Zada Byers, A. ARO, Min. Ag.	Developing pheromone based detection tool for the cotton seed bug (Oxycarenus hyalinipennis)
FR-29-12	Gitelson, A. U Nebraska	Bonfil, D.J. ARO, Min. Ag.	Development of unified approach to remote estimation of crop bio-physical characteristics from remotely sensed data

Funded BARD Senior Research Fellowships, 1990 - 2024

<u>BARD Number</u>	<u>Applicant & Institution</u>	<u>Host & Institution</u>	<u>Proposal Title</u>
FR-30-13	Byers, J.A. USDA, ARS	Zada Byers, A. ARO, Min. Ag.	Assessment of pheromone interactions between the sexes of the whitefly Bemisia tabaci
FR-31-14	Levi, A. USDA, ARS	Tadmor, Y. ARO, Min. Ag.	Identifying genomic regions associated with whitefly resistance in the desert watermelon Citrullus colocynthis
FR-32-15	Nof, S.Y. U Purdue	Bechar, A. ARO, Min. Ag.	Dynamic human-robot collaboration in disease monitoring in greenhouse
FR-34-16	Bazer, F.W. TX AgriLife Res	Gootwine, E. ARO, Min. Ag.	Dietary Arginine to Enhance Reproductive Performance of Afec-Assaf Ewes
FR-35-16	Zohar, Y. UMBC	Gothilf, Y. U Tel Aviv	Research and Education in Fish Reproductive Biology and Aquaculture
FR-36-18	Jander, G. Boyce Thompson	Aharoni, A. Weizmann Inst.	Rapid metabolic responses of maize to insect herbivory
FR-37-19	Whitney, T.R. TX AgriLife Res	Asher, A. MIGAL R&D	Collaborative research, teaching & student activities to enhance feedlot cattle production efficiency & Carcass traits
FR-38-19	Kantar, M. U Hawaii	Hubner, S. MIGAL R&D	Understanding local adaptation across the native range of the wild barley relative Hordeum Bulbosum
FR-39-20	Pawlowski, W.P. U Cornell	Levy, A.A. Weizmann Inst.	Biological Testing of an Artificial Intelligence-Derived Hypothesis on the Effect of Chromatin on Meiotic Recombination
FR-40-20	Wickramasinghe, S.R. U Arkansas	Arnusch, C.J. U Ben Gurion	Multifunctional laser-induced Graphene membranes for membrane distillation
FR-41-20	Tamborindeguy, C. U Texas A&M	Ghanim, M. ARO, Min. Ag.	Comparative analysis of psyllid gut response to Liberibacter pathogens
FR-42-20	Prueger, J.H. USDA, ARS	Agam, N. U Ben Gurion	Spectral and wavelet Analyses of non-rainfall water inputs under stable conditions in natural and agricultural dryland ecosystems
FR-43-21	Levi, A. USDA, ARS	Tadmor, Y. ARO, Min. Ag.	Utilizing the desert watermelon Citrullus colocynthis for enhancing the genome of watermelon cultivars with biotic and abiotic resilience genes, lost during domestication
FR-44-21	Sills, D. U Bucknell	Posmanik, R. ARO, Min. Ag.	Coupling life cycle assessment with quantitative microbial risk assessment to estimate environmental and human health impacts for recovering nutrients in agriculture
FR-45-21	Cohen, Y. UC, Los Angeles	Gilron, J. U Ben Gurion	Flexible membrane-based water purification and desalination technology for distributed agricultural and remote community deployment
FR-46-22	Voigt, C.A. MIT	Dorfman, Y. IDC	SynBio for Israeli AgTech

Funded BARD Senior Research Fellowships, 1990 - 2024

<u>BARD Number</u>	<u>Applicant & Institution</u>	<u>Host & Institution</u>	<u>Proposal Title</u>
FR-47-23	Zhang, H. USDA, ARS	Linker, R. Technion	Assimilation of UAV-based Remote Sensing into Crop Growth Model for Optimization of Irrigation Scheduling