

Funded BARD-Vaadia Postdoctoral Fellowships, 2007 - 2012

<u>BARD Number</u>	<u>Applicant & Institution</u>	<u>Host & Institution</u>	<u>Proposal Title</u>
FI-392-07	Leshem, Yori Hebrew U	Sundaresan, V. UC, Davis	Control of endosperm and early seed development by NED1
FI-393-07	Zinder, M. ARO, Min. Ag.	Lewin, H.A. UC, Davis	Identification of causative genes affecting economical traits in dairy cattle, based on resequencing of known chromosomal regions and construction of SNP maps
FI-398-07	Lev, S. Technion	Staskawicz, B.J. UC, Berkeley	Interaction of the oomycete proteins targeted into plant cells with host defense system
FI-399-07	Sher, D. U Haifa	Chisholm, S. MIT	Ecology and chemistry of antagonistic interactions between marine microorganisms: A source for new antimicrobial compounds and biocontrol agents
FI-402-07	Pekker, I. Weizmann Inst.	Zamore, P.D. U Mass	The role of the essential RNA helicase Armitage in gene silencing
FI-405-07	Siebner-Freibach, H. Hebrew U	Brown, Jr., G. Stanford U	Synchrotron-based study of heavy metals interactions at root-soil interfaces
FI-407-08	Afik, O. Hebrew U	Delaplane, K. U Georgia	Effects of nest invaders and polyandry on pollination efficacy of honey bees (<i>Apis mellifera</i>)
FI-408-08	Miyara, I. Hebrew U	Dickman, M.B. TX AgriLife Res	Modulation of the Redox Climate by Oxalic Acid during <i>Sclerotinia sclerotiorum</i> disease development
FI-409-08	Weinthal, D. Tel Aviv U	Tzfira, T. Ben Gurion U	Zinc finger nucleases mediated gene targeting in plant species
FI-410-08	Frenkel, O. Hebrew U	Milgroom, M.G. Cornell U	The roles of host specialization and ecological factors in the genetic divergence of the grape powdery mildew fungus, <i>Erysiphe necator</i> , at its center of origin
FI-411-08	Harpaz-Saad, S. Hebrew U	Kieber, J.J. U No. Carolina	The regulation of ethylene biosynthesis by DnaJ - A novel mechanism for post-translational regulation of ACC Synthase
FI-413-08	Goldshmidt, A. Weizmann Inst.	Jackson, D. Cold Spring Harbor	Investigation of molecular mechanisms controlling maize yield traits
FI-414-08	Levy, A. Tel Aviv U	Rose, J.K. Cornell U	Functional evaluation of plant modular Glycosyl Hydrolases
FI-419-08	Peleg, Zvi Hebrew U	Blumwald, E. UC, Davis	Molecular, cellular and physiological mechanisms associated with delayed leaf senescence induced drought tolerance in crop-plant
FI-420-09	Gamliel-Atinsky, E. ARO, Min. Ag.	Scherm, H. U Georgia	Biology and epidemiology of bacterial leaf scorch of Blueberry, a novel and economically important <i>Xylella fastidiosa</i> -host interaction in the southern US
FI-421-09	Pimstein, A. Ben Gurion U	Anderson, M.C. USDA, ARS	Evaluation of remotely sensed drought indicators

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FI-422-09	Dotan, Shachaf ARO, Min. Ag.	Ajwa, H.A. UC, Davis	Repeated applications of soil fumigants: consequences to soil microflora and soilborne pathogens
FI-424-09	Segoli, M. Ben Gurion U	Rosenheim, J.A. UC, Davis	What limits the reproductive success of insect parasitoids in nature?
FI-425-09	Vonshak, M. Tel Aviv U	Gordon, D. Stanford U	A bigger problem or a better problem? The impact of two of the world's most destructive invasive species meeting in California
FI-426-09	Mahadav (Karmazyn), A Hebrew U	Reinke, V. Yale	Genomic analysis of nematocide effects on the nematode <i>Caenorhabditis elegans</i> : a model for agriculturally important plant parasitic nematodes
FI-427-09	Ionescu, M. Hebrew U	Lindow, S.E. UC, Berkeley	Control of Pierce's disease by methods involving "pathogen confusion"
FI-428-09	Shafir, S. Isr. Ocean. Res.	Hunter, C.L. U Hawaii	Agricultural considerations for mariculture corals: Contributions of water flow, dissolved and particulate organic matters to coral growth
FI-429-09	Raz Yaseef, N. Weizmann Inst.	Baldocchi, D.D. UC, Berkeley	Ecosystems response to dry conditions: interactions between maximum rooting-depth and precipitation pattern and the resulting change in plant productivity
FI-431-10	Shani, E. Hebrew U	Estelle, M. UC, San Diego	Specific functions of the TIR1/AFB auxin receptors during plant growth and development
FI-432-10	Bober, R. Hebrew U	Hildebrand, J.G. U Arizona	Neural Coding of the Three-Component Pheromone in the Antennal Lobe of the Moth <i>Manduca sexta</i>
FI-433-10	Bahar, O. Hebrew U	Ronald, P.C. UC, Davis	Elucidating the biological role of Ax 21 and its interaction with Xa21
FI-434-10	Sorek, N. Tel Aviv U	Somerville, C.R. UC, Berkeley	Determination of the cellulose microfibrils complex stability
FI-435-10	Ramon, G. Technion	Hoek, E.M.V. UCA, Los Angeles	Efficacy and mechanisms of biofouling detachment from reverse-osmosis membranes by osmotic back-flushing
FI-436-10	Angelovici, R. Weizmann Inst.	DellaPenna, D. Michigan St. U	Elucidating the Genetic Basis of Seed Amino Acid Composition in <i>Arabidopsis</i>
FI-438-10	Efroni, I. Weizmann Inst.	Birnbaum, K.D. New York U	The role of the combinatorial auxin code to cell fate decisions
FI-440-10	Mosquna, A. Tel Aviv U	Cutler, S. UC, Riverside	Functional analysis of the PYR/PYL receptors of the hormone abscisic acid in the moss <i>P. patens</i>
FI-446-11	Azoulay-Shemer, T. ARO, Min. Ag.	Schroeder, J.I. UC, San Diego	CO ₂ signaling and molecular mechanisms that mediate stomatal conductance regulation.
FI-448-11	Aizen, Y. Hebrew U	Thomas, P. U Texas at Austin	Biological role of PGMRC1 in final maturation of fish oocytes

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FI-450-11	Galon-Wolfenson, Y. Tel Aviv U	Jackson, D. Cold Spring Harbor	Identification of molecular mechanisms for maize inflorescence branching
FI-451-11	Dayan, J. Tel Aviv U	Sun, T.P. Duke U	Identification and characterization of gibberellin transport mechanisms
FI-452-11	Ben-Sasson, M. Hebrew U	Elimelech, M. Yale	Novel Forward Osmosis Process for Reclaimed Wastewater Desalination
FI-456-11	Shkolnik-Inbar, D. Ben Gurion U	Murphy, A. Purdue	Termination of auxin signaling by oxidation in the Arabidopsis root
FI-457-11	Sadeh, A. U Haifa	Rosenheim, J.A. UC, Davis	The roles of cannibalism and parasitism in agricultural arthropod communities
FI-462-12	Shpigler, H. Hebrew U	Robinson, G.E. U Illinois	Juvenile hormone - Vitellogenin interrelationships and the regulation of reproduction and division of labor in honey bee
FI-463-12	Farhi, M. Hebrew U	Sinha, N. UC, Davis	Molecular Dissection of Plant-Parasitic Plant Interactions
FU-467-12	Siegel, A. Arizona St. U	Bloch, G. Hebrew U	The influence of juvenile hormone on division of labor and reproduction in the bumble bee (<i>Bombus terrestris</i>)
FI-469-12	Tietel, Z. Hebrew U	Fiehn, O. UC, Davis	Studying primary and secondary metabolism of photosynthetic microalgae for biofuel and phytonutrient production
FI-470-12	Trakhtenbrot, A. Hebrew U	Katul, G. Duke U	Minimizing the spread of wind-dispersed weed and invasive species using vegetation barriers
FI-471-12	Tzin, V. Weizmann Inst.	Sumner, L.W. Noble Foundation	Characterization of novel P450 genes involved in triterpene saponin biosynthesis in <i>Medicago truncatula</i>
FI-474-12	Bar-Zeev, E. Bar Ilan U	Elimelech, M. Yale	Membrane Antifouling Applications for the Desalination Industry: Biofilm Programmed Cell Death and Direct Osmosis Cleaning