

Vaadia-BARD Postdoctoral Fellowship Applicants,

<u>BARD Number</u>	<u>Applicant & Degree</u>	<u>Host & Institution</u>	<u>Proposal Title</u>
GS-1-07	Chiel, E. U Haifa	Hunter, M.S. U Arizona	Transmission pathways and influence of Rickettsia on the sweet-potato whitefly, Bemisia tabaci, and its natural enemies
GS-2-07	Tamir-Ariel, D. Hebrew U	Mudgett, M.B. Stanford U	The Xanthomonas type III effector XopD and its role virulence
GS-3-07	Shechter, M. Hebrew U	Xing, B. U Mass	Sorptive properties of cutin and cutan biopolymers: effect of decomposition
GS-5-07	Jan Viau, E. Yale	Levi-Schaffer, F. Hebrew U	Respiratory toxicity of biosolids applied to agricultural fields
GS-9-07	Zohar, I. Technion	Paytan, A. UCA, Santa Cruz	Use of oxygen isotopic signature to track phosphate transformations in effluent irrigated soil
FU-15-00	Goldman, I.L. U Wisconsin	Hirschberg, J. Hebrew U	Biosynthesis of Alpha Tocopherol (Vitamin E) and Novel Carotenoids in Carrot Roots
FI-178-94	Singher, L. Technion	Miles, G.E. Purdue	Optical Pattern Recognition Techniques for Agriculture
FI-179-94	Cohen, Y. ARO, Min. Ag.	Zambryski, P.C. UC, Berkeley	The Transport of Tobacco Mosaic Virus-Movement-Protein to and through Plasmodesmata
FI-182-94	Zeidan, M. ARO, Min. Ag.	Maxwell, D.P. U Wisconsin	Mechanisms Involved in Transmission of Geminiviruses by Whiteflies
FI-183-94	Harari, A.R. ARO, Min. Ag.	Landolt, P.J. USDA, ARS	Attraction and Aggregating Behavior of the Sugar Cane Root Borer Weevil, Diaprepes abbreviatus (L.) (Coleoptera: Curculionidae) on Citrus Foliage
FI-184-94	Gilboa, S. Hebrew U	Roush, R.T. U Adelaide	Resistance Management for BT-Transgenic Plants: Testing Management Strategies and the Effect of Natural Enemies
FI-195-94	Wattad, C. ARO, Min. Ag.	Keen, N.T. UC, Riverside	Over expression and structure analysis of Pectate Lyase Produced by Colletotrichum gloeosporioides Pathogen on Avocado Fruit
FU-203-94	Boehm, E.W.A. U Florida	Fluhr, R. Weizmann Inst.	Molecular Characterization of the I2 Resistance Locus
FI-208-95	Mawassi, M. ARO, Min. Ag.	Dawson, W.O. U Florida	Genetic Analysis of Defective RNA Molecules Associated with Citrus Tristeza Virus
FI-209-95	Lichter, A. ARO, Min. Ag.	Mills, D. Oregon St. U	Application of Differential RNA Display for Isolation of Genes Involved in the Interaction of Ustilago hordei and Barley
FI-210-95	Porat, R. ARO, Min. Ag.	O'Neill, S.D. UC, Davis	The Molecular Basis of Ovule Development: A Strategy to Engineer Seedlessness in Fruit Crops
FI-212-95	Olesinski, A. Hebrew U	Raskin, I. Rutgers	Novel Strategies for Improving Plant Disease Resistance: Characterization of Biochemical and Molecular Mechanisms Involved in the Conversion of Cinnamic Acid to Benzoic Acid
FI-213-95	Volpin, H. ARO, Min. Ag.	Phillips, D.A. UC, Davis	Molecular Approaches for Using Rhizosphere Carbon Dioxide to Promote "Environmentally Safe" Agriculture
FI-221-95	Lotan, A. Hebrew U	Maeda, S. UC, Davis	Potential of an Expressed Insect Selective Neurotoxin by its Recombinant Baculovirus: Pharmacokinetics and Virus Design
FI-223-95	Bar-Peled, U. Min. of Health	Hennighausen, L. NIH	Synthesis of Proteins in the Milk Gland of Transgenic Animals Using a Regulatory System Which Permits a Temporal Control of Gene Expression

Vaadia-BARD Postdoctoral Fellowship Applicants,

<u>BARD Number</u>	<u>Applicant & Degree</u>	<u>Host & Institution</u>	<u>Proposal Title</u>
FU-224-95	DiFonzo, C.D. Michigan St. U	Raccach, B. ARO, Min. Ag.	Evaluation of Risks Involved in Aphid Transmission of a Potyvirus from Cross-Protected and Potyvirus Coat Protein Transformed Plants
FU-226-95	Morrison, L.A. Oregon St. U	Feldman, M. Weizmann Inst.	Characterization of Genetic Diversity in Populations of Section Sitopsis Taxa (Aegilops L.) Native to Israel
FU-229-95	Martin, R.M. UC, Davis	Ben-Arie, R. MIGAL R&D	Understanding the Basis of PG-Independent Pectin Solubilization Through Analysis of Antisense-Polgalacturonase and Cell Walls
FI-230-96	Heilig, A. Tamar Regional Council	Steenhuis, T. Cornell U	Transport of Agricultural Chemicals in Layered Soils: Monitoring and Modeling of Fingered Preferential Flow
FI-233-96	Kerem, Z. Hebrew U	Hammel, K.E. USDA, ARS	Bioremediation of Contaminated Agricultural Residues: Transformation of Pesticides by Fungi Inhabiting Lignin-Rich Environments
FI-234-96	Brill, E. Hebrew U	Just, R.E. U Maryland	Efficiency, Property Rights and Political Bargaining in Agricultural Organizations
FI-235-96	Yonash, N. ARO, Min. Ag.	Cheng, H.H. USDA, ARS	Characterization of mRNA for Quantitative Trait Locus to Disease Resistance
FI-236-96	Eshed, Y. Weizmann Inst.	Bowman, J.L. UC, Davis	Developmental Genetics of Carpels
FI-238-96	Ilan, N. Hebrew U	Goldstein, S.A.N. Yale	Structure and Function of a Novel Two-P-Domain Potassium Channel from Drosophila Melanogaster
FI-243-96	Heifetz, Y. Hebrew U	Wolfner, M.F. Cornell U	The Role of Male Accessory Gland Peptides in the Control of Female Sex Pheromone Production in a Model Insect, Drosophila Melanogaster
FI-244-96	Kolkovski, S. IS Postdoctoral Applicant	Dabrowski, K. Ohio St. U	Development of Larval Feeds for Freshwater Fish
FI-246-96	Nasser, A. ARO, Min. Ag.	Cheney, M. U Nevada	Calorespirometry: A New Approach to Quantify Organic Pollutant Reactions in Soils and Sediments
FI-248-97	Sessa, G. Tel Aviv U	Martin, G.B. Boyce Thompson	Examination of in vivo Molecular Interactions Involved in Tomato Speck Disease Resistance
FI-249-97	Ori, N. Hebrew U	Hake, S. USDA, ARS	Relationship Between the Homeodomain Protein KN1 and Cytokinin
FI-251-97	Mor, T.S. Arizona St. U	Arntzen, C.J. Arizona St. U	Edible Vaccine Against Rotavirus: Coordinate Expression and Assembly of the Viral Coat Proteins in Transgenic Plants
FI-254-97	Haran, S. Hebrew U	Raskin, I. Rutgers	Biochemical and Molecular Characterization of Methyl Salicylate Biosynthesis and its Role in Plant-Defense Responses
FI-256-97	Bloch, G. Hebrew U	Robinson, G.E. U Illinois	Regulation of JH Biosynthesis and Behavioral Development in Honey Bees: from Colony to Genes
FI-262-97	Sabehat, A. Hebrew U	Bennett, A.B. UC, Davis	The Role of Expansin-Like Proteins in the Disassembly of Cell Wall Xyloglucan
FI-263-97	Band, M. U Illinois	Lewin, H.A. U Illinois	Fine Mapping of Quantitative Trait Loci in Dairy Cattle by Comparative Mapping
FI-267-97	Jones, S.B. Utah St U	Friedman, S.P. ARO, Min. Ag.	Dielectric Mixing Model for Soil Water Measurement: Constituent Geometry and Interfacial Water
FU-268-97	Palti, Y. USDA, ARS	Hulata, G. ARO, Min. Ag.	Identification of DNA Markers Linked to Sex Determination in Tilapia (Oreochromis aureus) Using Bulked Segregant Analysis of AFLP Markers

Vaadia-BARD Postdoctoral Fellowship Applicants,

<u>BARD Number</u>	<u>Applicant & Degree</u>	<u>Host & Institution</u>	<u>Proposal Title</u>
FI-269-98	Tzfira, T. U Michigan	Citovsky, V. NYSU, Stony Brook	vidl, an Arabidopsis Mutant with Virus-Inducible Phenotype
FI-270-98	Koltai, H. ARO, Min. Ag.	Bird, D.M. N Carolina St. U	Functional Analysis of a Serine/Threonine Receptor Kinase Expressed at the Root-Knot Nematode Feeding
FI-272-98	Goldwasser, Y. Hebrew U	Yoder, J.I. UC, Davis	The Genetic Basis for Host Resistance Against Orbanche
FI-274-98	Ardon, O. Hebrew U	Kaplan, J. U Utah	Intracellular Iron Transport in Eukaryotes
FI-275-98	Chefetz, B. Hebrew U	Hatcher, P.G. Ohio St. U	Humification Coupled with Bioremediation of Toxic Agrochemicals
FI-277-98	Vishnevetsky, M. Hebrew U	Stern, D.B. Boyce Thompson	Molecular Genetic Studies of Chloroplast RNA Decay
FI-278-98	Kunick, T. ARO, Min. Ag.	Dingwall, C. NYSU	Plant-Specific Nuclear Import of the Agrobacterium VirE2 Protein
FI-279-98	Deeb, N. Hebrew U	Lamont, S.J. Iowa St. U	Detection of Microsatellite Markers Linked to QTL for Growth Traits of Chickens in Different Genetic Backgrounds
FI-282-98	Solomon, R. Isr. Min. Agr.	Bauman, D.E. Cornell U	Nutritional Strategies for Increasing the Concentration of Conjugated Linoleic Acid (CLA) in the Milk of Dairy Cows
FI-285-99	Zchori-Fein, E. ARO, Min. Ag.	Brown, J.K. U Arizona	The Effect of Mycocyte-Symbionts on the Fitness of Their Sweetpotato Whitefly, Bemisia tabaci (Homoptera: Aleyrodidae) Host
FI-286-99	Cnaani, J. Tel Aviv U	Schmidt, J.O. USDA, ARS	Production of Hybrid Tomato Seeds by Bumblebee Pollination - Enhancement of Foraging Behavior with Bee-Born Extracts and Social Manipulation.
FI-288-99	Keren, N. Hebrew U	Pakrasi, H.B. Wash U	A New Approach to the Study of Photosynthesis under Stress Conditions by Directed Gene Replacement in the Moss Physcomitrella
FI-291-99	Dahan, O. Ben Gurion U	Tyler, S.W. Desert Research Inst.	Systematic Evaluation of Data Requirements for Predicting Salinity Loading from Agriculture in Arid Regions
FI-294-99	Zik, M. Ben Gurion U	Weigel, D. Salk Inst.	Analysis of Flowering Time Genes FT and TFL1: Sites of Action and Structural Determinants that Lead to Opposite Activities
FI-295-99	Shapir, N. ARO, Min. Ag.	Wackett, L.P. U Minnesota	Dissemination of Pesticides Resistance Genes in Agricultural and Other Environments
FI-300-00	Morin, S. Hebrew U	Feyereisen, R. U Arizona	Identification of Insecticide-Detoxification genes in the Whitefly Pest Bemisia Tabaci Using DNA Microarray and Comparative Genomic Approach
FI-302-00	Yakoby, N. ARO, Min. Ag.	Raskin, I. Rutgers	The Use of Tobacco Ribosomal DNA Spacer Element for the Amplification and Enhanced Expression of Heterologous Genes in Solanaceae Plants
FI-303-00	Morin, E. Hebrew U	Sorooshian, S. U Arizona	Runoff Prediction Using Meteorological Radar Rainfall Data in Arid and Semi-Arid Basins
FI-304-00	Kaspi, R. Hebrew U	Parrella, M.P. UC, Davis	Novel IPM of Liriomyza trifolii (Diptera: Agromyzidae) Infesting Greenhouse Crops
FI-305-00	Tal, Y. UMD Marine BioTech	Schreier, H.J. UMD Marine BioTec	Distribution, Population Structure and Activity of Nitrifying Organisms in Biofilters Used for Ammonia Removal in Aquaculture Systems
FI-306-00	Valinsky, L. ARO, Min. Ag.	Borneman, J. UC, Riverside	Community Dynamics of Microorganism Associated with Heterodera Schachtii Suppression

Vaadia-BARD Postdoctoral Fellowship Applicants,

<u>BARD Number</u>	<u>Applicant & Degree</u>	<u>Host & Institution</u>	<u>Proposal Title</u>
FI-308-00	Yunis, R. UC, Davis	Schat, K.A. Cornell U	Importance of ICP4-Specific Cytotoxic T Cells for Genetic Resistance to Marek's Disease
FI-314-01	Izhaki, A. Hebrew U	Bowman, J.L. UC, Davis	Identification of Genes Involved in Boundary Formation and Leaf Development in Arabidopsis
FI-315-01	Ghanim, M. ARO, Min. Ag.	White, K.P. Yale	Microarray-based Characterization of the Architecture of Ecdysone Controlled Gene Networks in Drosophila
FI-316-01	Karniol, B. Tel Aviv U	Vierstra, R. U Wisconsin	The Bacteriophytochrome from <i>Deinococcus radiodurans</i> : A Paradigm for the Phytochrome Signaling Cascade
FI-320-01	Ostersetzer, O. ARO, Min. Ag.	Barkan, A. U Oregon	crsl, a Nuclear Gene that Functions in the Splicing of Chloroplast mRNAs.
FI-321-01	Ezra, D. ARO, Min. Ag.	Strobel, G.A. Montana St. U	A Search for Volatile Natural Products from Plant Associated Endophytes Having a Potential for Agricultural Purposes, Using a Biorational Approach
FI-323-01	Levy, A.M. Hebrew U	Kung, H.J. UCD Cancer Center	Analyzing the Effects of the MEQ Oncogene on Latency and Oncogenicity in Marek's Disease Virus of Poultry
FI-325-02	Rachmilevitch, S. Ben Gurion U	Bloom, A.J. UC, Davis	Plant Nitrogen Nutrition and Assimilation under Elevated CO ₂
FI-327-02	Ben-Chaim, A. ARO, Min. Ag.	Jahn, M. Cornell U	Comparative Study of Fruit Related Genes Between Pepper and Tomato Using Microarrays and EST Libraries
FI-328-02	Fridman, E. Hebrew U	Pichersky, E. U Michigan	Biosynthesis of Phenylpropene Flavor Compounds
FI-329-02	David, L. Hebrew U	Oefner, P. Stanford U	Evaluating the Power of Nuclear and Mitochondrial SNPs for Biodiversity Studies in Chickens
FI-330-02	Roth, Z. Hebrew U	Hansen, P.J. U Florida	Mechanisms for the Disruption of Oocyte Competence by Heat Stress
FI-333-03	Shaltiel-Harpaz, L. MIGAL R&D	Rosenheim, J.A. UC, Davis	How do risk of starvation and risk of predation interact in their effect on survival of an omnivorous predator, larval <i>Chrysoperla plorabunda</i> (Neuroptera: Chrysopidae)
FI-335-03	Kritzman, A. ARO, Min. Ag.	Ghabrial, S.A. U Kentucky	Mechanism of Beetle Transmission of Bean pod mottle comovirus (BPMV)
FI-337-03	Mishael, Y.G. Hebrew U	Dubin, P. Indiana U	Polyelectrolyte-Micelle permeable reactive barrier for control of Hydrophobic pollutants
FI-338-03	Cnaani, A. Hebrew U	Kocher, T.D. U Maryland	Using comparative mapping to identify genes affecting quantitative traits in tilapia
FI-340-03	Eshed-Williams, L. Hebrew U	Fletcher, J.C. USDA, ARS	Functional analysis of the Maize and Arabidopsis CLV3-like (CLE) genes: putative ligands for orphan receptors
FI-343-03	David-Schwartz, R. ARO, Min. Ag.	Sinha, N. UC, Davis	Shoot-root communication in plant development; long-distance movement of RNA
FI-344-03	Savaldi-Goldstein, S. Technion	Chory, J. Salk Inst.	Phosphorylation events in the plant brassinosteroid signal transduction pathway
FI-346-03	Yehudai-Resheff, S. Technion	Stern, D.B. Boyce Thompson	Environmental responses of nuclear and organellar genes, concentrating on the definition of the molecular mechanism by which phosphate starvation leads to an increase in the half-life of chloroplast transcripts
FI-348-03	Nadler-Hassar, T. Hebrew U	Nissen, S.J. Colorado St. U	Mechanisms involved in the tolerance of <i>Cuscuta</i> to amino acid biosynthesis inhibitors

Vaadia-BARD Postdoctoral Fellowship Applicants,

<u>BARD Number</u>	<u>Applicant & Degree</u>	<u>Host & Institution</u>	<u>Proposal Title</u>
FI-349-03	Fischhendler, I. Hebrew U	Zilberman, D. UC, Berkeley	The political economy of drought management: analysis of the Californian experience
FI-350-03	Heifetz, E. Hebrew U	Dekkers, J.C.M. Iowa St. U	Fine mapping genes for Resistance to Marek's disease
FI-353-04	Sapir, Y. Hebrew U	Rieseberg, L.H. Indiana U	Fitness and movement of domestication traits across a sunflower wild-crop hybrid zone
FI-354-04	Avisar, D. Tel Aviv U	Dolja, V.V. Oregon St. U	Role of the Actin Cytoskeleton in Trafficking of a Plant Virus
FI-357-04	Singurindy, O. Weizmann Inst.	Steenhuis, T. Cornell U	Nitrous Oxide and Ammonia Emission from Dairy Farms: Experimental Observation and Modeling
FI-359-04	Mandelik, Y. Hebrew U	Kremen, C. Princeton U	Promoting Sustainable Agriculture: Do Agri-environment Schemes and Arable Restoration Programs Promote Biodiversity Conservation?
FI-360-04	Gur, A. Hebrew U	Buckler, E.S. Cornell U	Association Genomics of Kernel Metabolites in Maize
FI-361-04	Kashkush, K. Ben Gurion U	Wessler, S.R. U Georgia	Epigenetic Control of Transposable Elements
FI-363-05	Zaltsman, A. Hebrew U	Citovsky, V. NYSU, Stony Brook	The role of host F-box proteins in genetic transformation by Agrobacterium
FI-370-05	Menda, N. Hebrew U	Mueller, L. Cornell U	Bioinformatic links of simple and complex phenotypes with Solanaceae genomes
FI-371-05	Agam, N. ARO, Min. Ag.	Kustas, W.P. USDA, ARS	Improvement in evapotranspiration monitoring with remote sensing by increasing pixel resolution and frequency of estimates via prognostic-diagnostic model coupling
FI-374-05	Dombrovsky, A. ARO, Min. Ag.	Hammock, B.D. UC, Davis	Role of a/b-Hydrolase fold enzymes in the regulation of juvenile Hormone in aphids
FI-375-05	Isaacson, Tal Hebrew U	Rose, J.K. Cornell U	Exploring the role of catecholamines in plants
FI-377-05	Herzberg, M. Ben Gurion U	Elimelech, M. UCA, Los Angeles	Genetic Basis of Biofilm formation: Molecular approach for a sustainable environment
FI-382-06	Lavy, M. Tel Aviv U	Estelle, M. UC, San Diego	The role of the AFB4 and AFB5 proteins in auxin signaling
FI-384-06	Horowitz Brown, S. ARO, Min. Ag.	Keller, N.P. U Wisconsin	Oxylipins signaling in host-fungal communication
FI-386-06	Distelfeld, Assaf U Haifa	Dubcovsky, J. UC, Davis	Dissection of the senescence pathway in grasses using rice as a model
FI-391-06	Ron, Mily Tel Aviv U	McCormick, S.M. USDA, ARS	Functional analyses of embryo sac-specific genes
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. U Illinois	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

Vaadia-BARD Postdoctoral Fellowship Applicants,

<u>BARD Number</u>	<u>Applicant & Degree</u>	<u>Host & Institution</u>	<u>Proposal Title</u>
FI-399-07	Sher, D. Hebrew U	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-404-07	Sheynis, T. Ben Gurion U	Irudayaraj, J.M.K. Purdue	Biomimetic sensor films for foodborne pathogen detection
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. U Michigan	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-415-08	Sprintsin, M. Ben Gurion U	Anderson, M.C. USDA, ARS	Evaluation of flux partitioning and plant water stress over the forested areas in the United States using thermal remote sensing
FI-416-08	Mayrose, M. Tel Aviv U	Maloof, J. UC, Davis	Molecular analysis of growth control networks
FI-418-08	Zemach, A. Weizmann Inst.	Zilberman, D. UC, Berkeley	The role of Histone H2A.Z in Chromatin
FI-419-08	Peleg, Z. Hebrew U	Blumwald, E. UC, Davis	Molecular, cellular and physiological mechanisms associated with delayed leaf senescence induced drought tolerance in crop-plant