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BARD Number	Applicant & Institution	Host & Institution	Proposal Title
FU-4-85	Klein, J.D. ARO, Min. Ag.	Ben-Arie, R. MIGAL R&D	Biochemistry of Apple Softening as Affected by Heat Treatment
FI-5-85	Harpaz, S. ARO, Min. Ag.	Kare, M.R. Monell Chemical	Chemoreception in Aquatic Animals - Electrophysiological and Behavioral Studies for the Enhancement of Feeding
FI-9-85	Andrawis, A. INDEPENDENT	Buescher, R.W. U Arkansas	The Use of 13C-Labeled Lignins to Characterize the Enzymatic Activity of the Multiple Ligninases of Phanerochaete Chrysosporium Burd
FI-11-85	Golenberg, E.M. U Haifa	Clegg, M.T. UC, Riverside	Dynamics of Barley (Hordeum spontaneum) Cp DNA Evolution
FI-12-85	Pinchasov, Y. Hebrew U	Jensen, L.S. U Georgia	The Control of Fat Deposition in Meat-type Chicks
FI-18-85	Kapulnik, Y. BARD	Phillips, D.A. UC, Davis	The Effect of Nitogen Nutrition and Salt Concentration on Mineral Uptake by Plant Roots
FI-20-85	Gvaryahu, G. Hebrew U	Cunningham, D.L. U Cornell	Relationship Between Filial Imprinting and Stress Reduction in Poultry
FI-23-85	Vainstein, A. Hebrew U	Tobin, E.M. UCA, Los Angeles	In Situ Studies on the Fate of Gene Products in a Foreign Environment
FI-24-85	Yakir, D. Weizmann Inst.	DeNiro, M.J. UCA, Los Angeles	Plant Response to Water Stress Analyzed Using Newly Developed Stable Isotopic Methods
FI-26-85	Pitcovski, J. MIGAL R&D	Lamont, S.J. Iowa St. U	Cloning and Sequencing of the Chicken Major Histocompatibility Complex Genes
FU-28-85	Clark, E.M. UC, Berkeley	Gafni, Y. ARO, Min. Ag.	Molecular Biology of Erwiniia herbicola Phytopathogenicity
FI-34-86	Carmi, O. INDEPENDENT	Nester, E.W. U Washington	Molecular Mechanism of T-DNA Processing and Transmission to Plant Cells
FI-37-86	Miron, J. ARO, Min. Ag.	Yokoyama, M.T. Michigan St. U	Genetic Manipulations of Rumen Cellulolitic Bacteria
FI-40-86	Marcus, Y. Tel Aviv U	Berry, J.A. Carnegie Inst.	High CO2 Requiring Mutants of C4 Plants as a Tool for Investigations Between Mesophyll and Bundle-Sheath Cells in C4 Plants
FI-44-86	Shtienberg, D. ARO, Min. Ag.	Fry, W.E. U Cornell	Optimal Fungicide Use Strategies for Potato Plants. When Both Early and Late Blight are Considered
FI-48-86	Holland, D. ARO, Min. Ag.	Wolk, P.C. Michigan St. U	A Genetic Approach to Study of the Control of nif Transcription by O2 in Anabaena
FI-49-86	Sivan, A. Ben Gurion U	Harman, G.E. U Cornell	Enhancement of Efficacy of Trichoderma spp. for Biological Control Using Protoplast Fusion

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FI-50-86	Sagee, O. ARO, Min. Ag.	Lovatt, C.J. UC, Riverside	Early Metabolic Events Associated with Fruitlet Drop in Citrus - Involvement of Plant Growth Regulators and Specific Proteins
FI-54-86	Steinberger, E.M. UC, Davis	Bar-Joseph, M. ARO, Min. Ag.	1. Differentiation of Erwinia amylovora Strains Based on Restriction Fragment Length Polymorphism 2. Macrorestriction Mapping of the E. amylovora Genome
FI-56-87	Tom, M. Isr. Ocean. Res.	Fingerman, M. Tulane U	Neurohormones Controlling Vitellogenesis in the Marine Edible Shrimp Penaeus
FI-57-87	Shoseyov, O. Hebrew U	Doi, R.H. UC, Davis	Cloning characterization and expression of Clostridium Cellulases genes
FI-58-87	Yarden, O. Hebrew U	Yanofsky, C. U Stanford	Expression of Chitin Synthetase in Neurospora Crassa
FI-59-87	Guterman, H. Ben Gurion U	Stephanopoulos, G. MIT	General Supervisory Monitor and Control System for Algal and Other Microorganism Cultures
FI-61-87	Fallik, E. ARO, Min. Ag.	Robson, R.L. U Georgia	Genetics of the Vanadium Nitrogenase System in Azotobacter Chroococcum
FI-62-87	Ron, M. ARO, Min. Ag.	Gutman, G.A. UCA, Irvine	Polymorphism of Mitochondrial DNA in the Israeli Holstein Cattle
FI-71-87	Gafny, R. ARO, Min. Ag.	Beachy, R.N. Danforth Center	Genetic Engineering of Plants for Resistance to Virus Infecttion: Studies of Mechanism of Resistance
FU-76-87	Weisburd, R.S.J. Environmental Studies	Berman, T. Isr. Ocean. Res.	Refinement of Primary Productivity Assessments in Lake Kinneret
FI-79-87	Elias, K.S. LSU, Ag Center	Katan, T. ARO, Min. Ag.	Genetic Relatedness Among Races and Vegetative Compatibility Groups of Fusarium Oxysporum f .p. . Lycopersici
FI-84-88	Inbar, Y. Hebrew U	Hoitink, H.A.J. Ohio St. U	Biological Degradation of Organic Wastes in Relation to Plant Growth and Pythium Disease Severity
FI-88-88	Rosenberg, J. ARO, Min. Ag.	Kronenberg, H.M. Mass Gen. Hosp.	Regulation of PTH Gene Transcription
FI-93-88	Faktor, O. Hebrew U	Lamb, C.J. Salk Inst.	Developmental and Environmental Regulation of a Gene Encoding Phenylalanine Ammonia-Lyase
FI-97-88	Sagi, A. Ben Gurion U	Laufer, H. U Connecticut	Endocrinological Regulation of Fast Growing Males in the Cultured Freshwater Prawn Macrobrachium Rosenb ergii
FI-99-88	Schickler, H. Hebrew U	Messing, J. Rutgers	Regulation of Gene Expression in Maize

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BARD Number	Applicant & Institution	Host & Institution	Proposal Title
FI-100-88	Schaffer, M.A. UC, Berkeley	Fluhr, R. Weizmann Inst.	Genetic and Physical Mapping of the Tomato I2 locus
FI-102-89	Levy, E. Isr. Min. Agr.	Gough, F.J. USDA, ARS	Genetic Diversity and Antibiotic Producion by Epiphytic Pseudomonads Suppressive to Wheat Foliage Diseases
FI-103-89	Freeman, S. ARO, Min. Ag.	Rodriguez, R.J. Symbiogenics	Defining the Genetic Bases of Phatogenic Specificity in the Filamentous Fungal Plant Pathogen Colletotrichum Lindemuthianum
FI-108-89	Mandelbaum, R.T. INDEPENDENT	Wackett, L.P. U Minnesota	Microbial Control of Soil Pollution
FI-109-89	Wiesman, Z. Ben Gurion U	Mattoo, A.K. USDA, ARS	Regulation of Wound-Induced Gene Expression in Tomato and Soybean
FI-117-89	Haberfeld, A. Hebrew U	Dunnington, E.A. Virginia Tech	Identification of DNA Fingerprint Bands Linked to Major Genes Controlling Economically Important Quantitative Traits
FI-119-89	Lapidot, M. ARO, Min. Ag.	Beachy, R.N. Danforth Center	The Mechanism of Plant Virus Cell-to-Cell Transport: Tobacco Mosaic Virus 30-kDa Movement Protein as a Model System
FI-124-90	Peleg, H. INDEPENDENT	Noble, A.C. UC, Davis	Effect of Chemical Structure of Grape Tannins on Temporally Perceived Bitterness and Astringency and on Elicited Salivary Flow
FI-127-90	Or, E. ARO, Min. Ag.	Larkins, B. U Arizona	Translational Regulation of Protein Systhesis in Developing Oat Seeds
FI-130-90	Uni, Z. Hebrew U	Schat, K.A. U Cornell	Identification of Marek's Disease Genes Associated with Cell Mediated Immunity
FI-132-90	Ben-David, H. Weizmann Inst.	Gruissem, W. UC, Berkeley	Regulation of Expression of HMG-CoA Reductase During Tomato Fruit Fromation.
FI-134-90	Sharon, A. Tel Aviv U	Yoder, O.C. U Cornell	Improving Efficacy of Mycoherbicides by Genetic-Engineering: an Alternative to Chemical Herbicides
FI-135-90	Flaishman, M.A. ARO, Min. Ag.	Kolattukudy, P.E. Ohio St. U	Molecular Basis of Fungal Penetration of Carbohydrate Barriers of Plants
FI-141-90	Hambright, K.D. U Cornell	Gophen, M. Isr. Ocean. Res.	Effects of Planktivorous Fish Abundance on the Size Distribution of Particulate Phosphorus in Lakes: Implications for Water Quality Management of Lake Kinneret, Israel
FI-142-92	Levine, A. Hebrew U	Lamb, C.J. Salk Inst.	Cross-linking of Cell Wall Proteins: A Novel Plant Response to Pathogens and Environmental Stress
FI-144-92	Mayer, R. Hebrew U	Chua, N.H. U Rockefeller	ABA-Signal Transduction Pathway in Plants

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FI-146-92	Eyal, Y. ARO, Min. Ag.	McCormick, S.M. USDA, ARS	The Role of Tomato Pollen Specific Proteins in Pollen Germination and Pollen Tube Formation
FI-150-92	Yakir, O. ARO, Min. Ag.	Beer, S.V. U Cornell	Antibiotics Produced by Israeli Strains of Erwinia.herbicola as a Possible Biological Conrtol Agents for Fire Blight Disease
FU-154-92	Goldman, I.L. U Wisconsin	Zamir, D. Hebrew U	Recombinant Inbred Fine Mapping of Quantitative Trait Loci in Lycopersicon
FI-157-93	Moskowitz, H. UC, Davis	Hammock, B.D. UC, Davis	Insect Selective Neurotoxins from Arthropod Venoms Expresses in Baculoviruses - A Model for Bioinsecticides.
FI-159-93	Yalovsky, S. Tel Aviv U	Gruissem, W. UC, Berkeley	The Function of Protein Prenyltransferases in the Development of Tomato Fruit: Identification, Regulation and Targets"
FI-167-93	Gazit, Y. Citrus Marketing	Tumlinson, J.H. USDA, ARS	Factors Influencing Foraging Behavior of Lepidopteran Parasitoids
FI-169-93	Sitrit, Y. Ben Gurion U	Bennett, A.B. UC, Davis	Characterization of Complexity and Regulation of a Polygalacturonase Gene Family
FI-170-93	Trebitsh, T. Ben Gurion U	O'Neill, S.D. UC, Davis	Regulation of Gene Expression Associated with Sex Determination in Cucumber Apices
FI-171-93	Rosenfeld, D. Technion	Rohrbach, R.P. N Carolina St. U	Sensing, Signal Analysis and Diagnostics of Quality Parameters of Agricultural Products††††
FU-175-93	Berke, T. U Illinois	Bar Zur, A. Galilee Society	Molecular Mapping of QTLs for % Oil and Stalk Strength in Maize
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. Isr. Min. Agr.	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

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BARD Number	Applicant & Institution	Host & Institution	Proposal Title
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 Ustilagohordei and Barley
FI-210-95	Porat, R. ARO, Min. Ag.	O'Neill, S.D. UC, Davis	TheMolecular 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: Charaterization 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	Potentiation 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 Experssion
FU-224-95	DiFonzo, C.D. Michigan St. U	Raccah, 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.	Characterizaiton 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 rin Cell Walls
FI-230-96	Heilig, A. Tamar Regional Council	Steenhuis, T. U Cornell	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

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BARD Number	Applicant & Institution	Host & Institution	Proposal Title
FI-243-96	Heifetz, Y. Hebrew U	Wolfner, M.F. U Cornell	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 Applicar	Dabrowski, K. Ohio St. U	Development of Larval Feeds for Freshwater Fish
FI-246-96	Nasser, A. ARO, Min. Ag.	Cheney, M. U MD, Eastern Shore	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 Develoment 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. UC, Davis	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
FI-269-98	Tzfira, T. Ben Gurion U	Citovsky, V. NYSU, Stony Brook	vidl, an Arabidopsis Mutant with Virus-Inducible Phenotype
FI-270-98	Koltai, H. ARO, Min. Ag.	Bird, D.M.K. N Carolina St. U	Functional Analysis of a Serine/Threonine Receptor Kinase Exptessed at the Root-Knot Nematode Feedin
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 Biormediation of Toxic Agrochemicals

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FI-278-98	Kunick, T. ARO, Min. Ag.	Dingwall, C. NYSU, ESF	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. U Cornell	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 Mycetocyte-Symbionts on the Fitness of Their Sweetpotato Whitefly, Bemisia tabaci (Hompotera: 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-291-99	Dahan, O. Ben Gurion U	Tyler, S.W. Desert Research Inst.	Systematic Evaluation of Data Requiements for Predicting Salinity Loading from Agriclture in Arid Regions
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. UCA, Irvine	Runoff Prediction Using Meteorological Radar Rainfall Data in Arid and Semi-Arid Basins
FI-304-00	Kaspi, R. ARO, Min. Ag.	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
FI-308-00	Yunis, R. UC, Davis	Schat, K.A. U Cornell	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.D. Washington U at St. I	The Bacteriophytochrome from Deinococcus radiodurans: A Paradigm for the Phytochrome Signaling Cascade

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FI-320-01	Ostersetzer-Biran, O. Hebrew U	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	Anayzing the Effects of the MEQ Oncogene on Latency and Onclogenicity in Marke's Disease Virus of Poultry
FI-325-02	Rachmilevitch, S. Ben Gurion U	Bloom, A.J. UC, Davis	Plant Nitrogen Nutrition and Assimilation under Elevaetd Co2
FI-327-02	Ben-Chaim, A. ARO, Min. Ag.	Jahn, M. U Wisconsin	Comparative Study of Fruit Related Genes BetweenPepper and Tomoato Using Microarrays and EST Libraries
FI-328-02	Fridman, E. ARO, Min. Ag.	Pichersky, E. U Michigan	Biosynthesis of Phenylpropene Flavor Compounds
FI-329-02	David, D.L. Hebrew U	Oefner, P. U Stanford	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-335-03	Kritzman, A. ARO, Min. Ag.	Ghabrial, S.A. U Kentucky	Mechanism of Beetle Transmission of Bean pod mottle comovirus (BPMV)
FI-338-03	Cnaani, A. ARO, Min. Ag.	Kocher, T.D. U Maryland	Using comparative maaping 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.R. 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 organdellar genes, concentrating on the definition of the molecular mechanism by which phosphate starvation leads to an increase in the half-life of chloroplast transcripst
FI-348-03	Nadler-Hassar, T. Hebrew U	Nissen, S.J. Colorado St. U	Mechanisms involved in the tolerance of Cuscuta to amino acid biosynthesis inhibitors
FI-349-03	Fischhendler, I. Hebrew U	Zilberman, D. UC, Berkeley	The political economy of drought management: analysis of the Californian experience

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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. Tel Aviv U	Rieseberg, L.H. Indiana U	Fitness and movement of domestication traits across a sunflower wild-crop hybrid zune
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. U Cornell	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. ARO, Min. Ag.	Buckler, E.S. U Cornell	Association Genomics of Kernel Metabolities 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. Boyce Thompson	Mueller, L. Boyce Thompson	Bioinformatic links of simple and complex phenotypes with Solanaceae genomes
FI-371-05	Agam, N. Ben Gurion U	Kustas, W. USDA, ARS	Improvement in evapotranspiration monitoring with remote sensing by increasing pixel resolution and frequency of estimates via prognostic-diagnostic model coupling
FI-375-05	Isaacson, Tal ARO, Min. Ag.	Rose, J.K. U Cornell	Exploring the role of catecholamines in plants
FI-377-05	Herzberg, M. Ben Gurion U	Elimelech, M. Yale	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	Braun Miyara, S. ARO, Min. Ag.	Keller, N.P. U Wisconsin	Oxylipins signaling in host-fungal communication
FI-386-06	Distelfeld, A. Tel Aviv U	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

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FI-392-07	Leshem, Y. MIGAL R&D	Sundaresan, V. UC, Davis	Control of endosperm and early seed development by NED1
FI-393-07	Cohen-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. U Stanford	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 (Apis mellifera)
FI-408-08	Miyara, I. Hebrew U	Dickman, M.B. TX AgriLife Res	Modulation of the Redox Climate by Oxalic Acid during Sclerotinia sclerotiorum 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. ARO, Min. Ag.	Milgroom, M.G. U Cornell	The roles of host specialization and ecological factors in the genetic divergence of the grape powdery mildew fungus, Erysiphe necator, 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. U Florida	Rose, J.K. U Cornell	Functional evaluation of plant modular Glycosy Hydrolases
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
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 Xylella fastidiosa-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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BARD Number	Applicant & Institution	Host & Institution	Proposal Title
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. U Stanford	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 Caenorhabditis elegans: 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. Hawaii U	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 reponse to dry conditions: interactions between maximum rooting-depth and precipitation pattern and the resulting change in plant productivity
FI-431-10	Shani, E. Tel Aviv 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 Manduca sexta
FI-433-10	Bahar, O. ARO, Min. Ag.	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. U Missouri	DellaPenna, D. Michigan St. U	Elucidating the Genetic Basis of Seed Amino Acid Composition in Arabidopsis
FI-440-10	Mosquna, A. Hebrew U	Cutler, S. UC, Riverside	Functional analysis of the PYR/PYL receptors of the hormone abscisic acid in the moss P. patens
FI-446-11	Shemer, T. ARO, Min. Ag.	Schroeder, J.I. UC, San Diego	CO2 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
FI-450-11	Galon-Wolfenson, Y. Bar Ilan U	Jackson, D. Cold Spring Harbor	Identification of molecular mechanisms for maize inflorescence branching

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BARD Number	Applicant & Institution	Host & Institution	Proposal Title
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. Min. of Science & Techr	Elimelech, M. Yale	Novel Forward Osmosis Process for Reclaimed Wastewater Desalination
FI-456-11	Shkolnik-Inbar, D. Ben Gurion U	Murphy, A. U Maryland	Termination of auxin signaling by oxidation in the Arabidopsis root
FI-457-11	Sadeh, A. ARO, Min. Ag.	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, Moran Hebrew U	Sinha, N.R. 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 (Bombus terrestris)
FI-469-12	Tietel, Z. ARO, Min. Ag.	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. Ben Gurion U	Jander, G. Boyce Thompson	Characterization of novel P450 genes involved in triterpene saponin biosynthesis in Medicago truncatula
FI-474-12	Bar-Zeev, E. Ben Gurion U	Elimelech, M. Yale	Membrane Antifouling Applications for the Desalination Industry: Biofilm Programmed Cell Death and Direct Osmosis Cleaning
FI-477-13	Zavaliev, R. Tel Aviv U	Dong, X. Duke U	Intercellular signal transport in plant immune response
FI-478-13	Yadgary, L. Hebrew U	Pomp, D. U Nebraska	Understanding long-term selection response: mapping complex traits using replicated selection lines and whole genome sequencing
FI-485-13	Saroussi, S. Tel Aviv U	Grossman, A.R. Carnegie Inst. of Was	Unmasking novel photosynthetic functions through analysis of mutants defective for greencut proteins
FI-488-13	Burko, Y. Hebrew U	Chory, J. Salk Inst.	The role of PIF7 in shade avoidance syndrome
FI-491-13	Amsalem, E. Penn State U	Grozinger, C.M. Penn State U	Genomic, physiological and behavioral analysis of life history traits underpinning performance and productivity in bumblebees
FI-493-13	Sher, Y. Ben Gurion U	Firestone, M.K. UC, Berkeley	Nitric oxide production by nitrifiers and denitrifiers effect the desiccation tolerance of the soil microbial community

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BARD Number	Applicant & Institution	Host & Institution	Proposal Title
FI-494-13	Luzzatto Knaan, T. Hebrew U	Dorrestein, P. UC, San Diego	Characterizing the chemistry behind the social behavior and metabolic exchange of Paenibacillus spp.
FI-497-14	Ronen, Avner Temple U	Walker, S. UC, Riverside	Wastewater to Agriculture Irrigation: Anaerobic Membrane Bioreactor Coupled with Electrically Conducting Nanofiltration Membrane
FI-498-14	Sade, N. Tel Aviv U	Blumwald, E. UC, Davis	Roles of NHX5 and NHX6 in the control of endosomal ion and pH homeostasis
FI-500-14	Morag, N. Hebrew U	Goodrich-Blair, H. U Wisconsin	Identification of novel insecticidal activities from the symbiotic entomopathogenic nematodes bacteria Xenorhabdus and Photorhabdus
FI-504-14	Solomon, E. Hebrew U	Jez, J. Washington U at St. I	Identifying Detailed Redox Signal Transduction Pathways in Soybean
FI-505-14	Litvak, Yael Hebrew U	Baumler, A. UC, Davis	Mechanism of colonization resistance against Salmonella in newly hatched chicks
FI-506-14	Yair, Roni Hebrew U	Allen, M.S. Michigan St. U	Increasing energy intake of lactating cows in the postpartum period
FI-508-14	Gonda, I. ARO, Min. Ag.	Giovannoni, J. Boyce Thompson	High resolution QTLs mapping for the identification of novel metabolic genes in tomato fruit
FI-516-14	Ish Am Radian, A. Technion	Wackett, L.P. U Minnesota	Bioactive Hybrid Silica Gel for Efficient Removal and Degradation of Agrochemicals
FI-517-14	Mau, Y. Hebrew U	Porporato, A. Duke U	Integrated soil salinity management in agricultural watersheds under climate change
FI-519-14	Posmanik, R. ARO, Min. Ag.	Tester, J. W. U Cornell	Hydrothermal liquefaction of dairy industry waste as a biorefinery approach for biofuels production and nutrient recycling
FI-522-15	Hochberg, U. ARO, Min. Ag.	Holbrook, N.M Harvard U	The effect of early season water availability on the vascular systems development in grapevines
FI-523-15	Shalom, Liron Hebrew U	Maloof, J. UC, Davis	Finding loci that confer chilling tolerance
FI-525-15	Spiegelman, Z. ARO, Min. Ag.	Gallagher, K. U Penn	Mechanisms of intercellular protein trafficking during Arabidopsis root development
FI-526-15	Gross, Avner Hebrew U	Silver, W. UC, Berkeley	Studying phosphorus dynamics in the soil/plant microenvironment
FI-527-15	Fox, S. Ben Gurion U	Cath, T.Y. Colorado General	A hybrid ultrafiltration-osmotic membrane bioreactor for decentralized wastewater reclamation: tailoring effluent quality for potable and agricultural reuse
FI-528-15	Vitlin Gruber, A. Tel Aviv U	Merchant, S. UCA, Los Angeles	Proteomic analysis of the acidocalcisome from Chlamydomonas

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BARD Number	Applicant & Institution	Host & Institution	Proposal Title
FU-530-15	Boxman, S. U So. Florida	Shpigel, M. Isr. Ocean. Res.	Periphyton as novel plant based biofilter for sustainable mariculture systems: performance evaluation at macro- and micro-scales
FI-531-15	Davidi, L. Weizmann Inst.	Loo, J.A. UCA, Los Angeles	Delaying the senescence of the photosynthesis machinery
FI-532-15	Hak, Hagit Hebrew U	Citovsky, V. NYSU, Stony Brook	Subversion of plant ubiquitin/Proteasome system by agrobacterium
FI-534-15	Olshansky, Yaniv Hebrew U	Chorover, J. U Arizona	Extracellular enzymatic activity in soils: Effects of drying/wetting cycles
FI-538-15	Eckshtain Levi, N. Hebrew U	Vinatzer, B. Virginia Tech	Exploring natural diversity with next generation tools to identify sources of resistance to Ralstonia solanacearum
FI-540-15	Shelef, O. ARO, Min. Ag.	Dyer, L.A. U Nevada	Assessment of multi-trophic interaction diversity to study invasive species dynamics
FI-541-16	RAUNER, Gat Hebrew U	Van de Walle, G. U Cornell	The bovine mammary stem cell secretome: A novel approach to treat Mastitis
FI-542-16	Hendelman, A. Bar Ilan U	Lippman, Z.B. Cold Spring Harbor	Epigenetic control of meristem maturation and size in tomato
FI-545-16	Orlova, M. Tel Aviv U	Amdam, G. Arizona St. U	Fertility and its signs -- elucidating the link between reproduction and pheromonal gland function in the honeybee
FI-549-16	Epsztein, R. Technion	Elimelech, M. Yale	Development of NF membranes with optimized selectivity for a novel process for nitrate removal from groundwater
FI-552-16	Masalha, N. Ben Gurion U	Nguyen, T.H. U Illinois	Long term risk evaluation of wastewater reused for crop irrigation
FI-553-16	GOLDENBERG, DANA Hebrew U	Afonso, C.L. USDA, ARS	Development of a new vaccine platform against Newcastle disease and other respiratory viruses
FI-558-17	Cohen, I C Ben Gurion U	Bloom, A.J. UC, Davis	Does heat stress affect nitrogen metabolism differently in C3 and C4 plants?
FI-559-17	Tal, L. Weizmann Inst.	Shabek, N. UC, Davis	A novel regulator of cell proliferation in plant meristems
FI-560-17	Katz, E. Tel Aviv U	Kliebenstein, D. UC, Davis	Revealing the mechanism by which plants balance between defense and growth
FU-561-17	Hausken, K. U New Hampshire	Levavi-Sivan, B. Hebrew U	Novel regulators of ovarian recrudescence
FI-562-17	Teper, Doron Tel Aviv U	Wang, N. U Florida	Deciphering the kumquat (Fortunella spp.) resistance response to Xanthomonas citri pv. citri

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BARD Number	Applicant & Institution	Host & Institution	Proposal Title
FI-563-17	Reznik, A. Hebrew U	Dinar, A. UC, Riverside	Wastewater as a source for regional cooperation and sustainable use of scarce water resources
FI-565-17	Elnekave, E., Hebrew U	Perez, A.M. U Minnesota	Attribution of human salmonellosis cases to livestock and food sources using Bayesian models
FI-566-17	Yaari, R. Tel Aviv U	Schmitz, R. U Georgia	Epigenome editing in plants
FI-569-18	Engel, M. Hebrew U	Fendorf, S. U Stanford	Association of soil minerals and natural organic compounds controls heavy metal retention: Insights into the impact of zinc on soil quality
FI-570-18	Shaar-Moshe, L. Hebrew U	Brady, S.M. UC, Davis	The role of selective barriers in salt tolerance of wild tomato
FI-573-18	Shabtai, I. Hebrew U	Lehmann, J. U Cornell	Advanced characterization of the soil nano-architecture and its effects on carbon stabilization
FI-574-18	Tzipilevich, E. Hebrew U	Benfey, P.N. Duke U	Interaction of microorganisms with plant endodermal barrier
FI-575-18	Talal, S. Tel Aviv U	Harrison, J. Arizona St. U	The mechanistic basis of high carbohydrate diet of South American locust, Schistocerca cancellata
FI-576-18	Kira, O. Technion	Sun, Y. U Cornell	Advancing the partitioning of global net CO2 fluxes using satellite solar induced chlorophyll fluorescence (SIF) to support carbon source/sink attribution
FI-577-18	Attia, Z. Hebrew U	Kane, N.C. U of Colorado, Bould	Optimizing sorghum water relations to enhance drought tolerance and WUE
FI-578-18	Zait, Y. Hebrew U	Assmann, S.M. Penn State U	Is mesophyll conductance to CO2 under drought conditions governed by G proteins?
FI-579-18	Ganot, Y. Hebrew U	Dahlke, H.E. UC, Davis	Integrating soil aeration with agricultural groundwater banking
FI-580-18	Ostrov, I. Hebrew U	Raskin, I. Rutgers	Investigating the relationships between dietary polyphenols, gut microbiota, and intestinal inflammation for management of metabolic syndrome
FU-581-18	Lounsbury, A. Yale	Tal, A. Tel Aviv U	Pharmaceuticals and personal care products in wastewater and uptake into vegetables and fruits: Evaluating health risks and treatment strategies
FI-582-18	Segev-Zarko, L. Weizmann Inst.	Boothroyd, J. U Stanford	Revealing the molecular mechanism of how Toxoplasma gondii injects effectors to penetrate the host cell
FI-583-19	NIR, IDO Hebrew U	Bergmann, D. U Stanford	The tomato stomatal lineage progression and the role of SPCH in response to environmental signals
FI-584-19	Preisler, Y. Hebrew U	Holbrook, N.M Harvard U	The Importance of forest tree internal water storage for survival and establishment under changing climate- a comparative study

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BARD Number	Applicant & Institution	Host & Institution	Proposal Title
FI-585-19	Gabay, G. Hebrew U	Dubcovsky, J. UC, Davis	Validation and characterization of candidate genes affecting root architecture and drought tolerance in wheat
FI-588-19	Maoz, I. Hebrew U	Dudareva, N. Purdue	Elucidation of the role of non-specific lipid transfer proteins in emission of plant volatiles
FI-589-19	Kishinevsky, M. U Haifa	Ives, A.R. U Wisconsin	Age-distributions of adult parasitoids under field conditions: from environmental correlates to pest control implications
FI-591-19	Muklada, H. Hebrew U	Smart, L.B. U Cornell	Dual-purpose willows for fodder/silage and as riparian buffers
FI-594-19	Brindt, N. Hebrew U	Steenhuis, T. U Cornell	Improve understanding of unstable finger formation in partially wettable soils induced by reclaimed-water application
FI-595-19	Saar, M. Tel Aviv U	Yan, H. U Florida	Developing mutated queens and workers in the little fire ant (Wasmannia auropunctata), using CRISPR-Cas9 as a tool with which to deal with an invasive ant species

Gender rate in BARD's Postdoc Fellowship Program

Total number of fellows 263 (1985-2018)