

Funded BARD-Vaadia Postdoctoral Fellowships, 2012 - 2017

<u>BARD Number</u>	<u>Applicant & Institution</u>	<u>Host & Institution</u>	<u>Proposal Title</u>
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 (<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. Ben Gurion U	Jander, G. Boyce Thompson	Characterization of novel P450 genes involved in triterpene saponin biosynthesis in <i>Medicago truncatula</i>
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-481-13	Glazer, L. Ben Gurion U	Thomas, P. U Texas at Austin	Role of insulin-like growth factors in promotion of oocyte maturation through mPR
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. Tel Aviv 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
FI-494-13	Luzzatto Knaan, T. Hebrew U	Dorrestein, P. UC, San Diego	Characterizing the chemistry behind the social behavior and metabolic exchange of <i>Paenibacillus</i> spp.
FI-497-14	Ronen, Avner Technion	Walker, S. UC, Riverside	Wastewater to Agriculture Irrigation: Anaerobic Membrane Bioreactor Coupled with Electrically Conducting Nanofiltration Membrane
FI-498-14	Sade, N. Hebrew U	Blumwald, E. UC, Davis	Roles of NHX5 and NHX6 in the control of endosomal ion and pH homeostasis

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FI-500-14	Morag, N. Hebrew U	Goodrich-Blair, H. U Wisconsin	Identification of novel insecticidal activities from the symbiotic entomopathogenic nematodes bacteria <i>Xenorhabdus</i> and <i>Photorhabdus</i>
FI-504-14	Solomon, E. Hebrew U	Jez, J. Washington U at St. L	Identifying Detailed Redox Signal Transduction Pathways in Soybean
FI-505-14	Litvak, Yael Hebrew U	Baumler, A. UC, Davis	Mechanism of colonization resistance against <i>Salmonella</i> 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. Ben Gurion U	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. Hebrew U	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. Ben Gurion U	Tester, W. Cornell U	Hydrothermal liquefaction of dairy industry waste as a biorefinery approach for biofuels production and nutrient recycling
FI-522-15	Hochberg, U. Ben Gurion U	Holbrook, N.M Harvard Medical Sch	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-524-15	Edery, Y. Weizmann Inst.	Weitz, D. Harvard U	Physics of multi-phase flow through porous materials
FI-525-15	Spiegelman, Z. Hebrew U	Gallagher, K. U Penn	Mechanisms of intercellular protein trafficking during <i>Arabidopsis</i> 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 <i>Chlamydomonas</i>
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

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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-535-15	Rimon, B. Hebrew U	Johnson, M.A. Brown U	Characterization of gamete fusion mechanism and identification of elements which blocks multiple pollen tubes from entering an Arabidopsis ovule
FI-536-15	Erel, R. Hebrew U	McElrone, A.J. USDA, ARS	Means of minerals acquisition by roots under drought: The roles of various root segments and water redistribution
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. Ben Gurion U	Dyer, L.A. U Nevada	Assessment of multi-trophic interaction diversity to study invasive species dynamics
FI-541-16	Rauner, G. Hebrew U	Van de Walle, G. Cornell U	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-547-16	Zucker, I. Tel Aviv U	McIntre, P. Stanford U	Novel multi-layer silicon based photoelectrochemical cells for water treatment
FU-548-16	Blackmon, H. U Texas, Arlington	Mayrose, I. Tel Aviv U	The evolutionary dynamics of ploidy evolution in plants
FI-549-16	Epsztein (Dr. Elimelech 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, D. Hebrew U	Afonso, C.L. USDA, ARS	Development of a new vaccine platform against Newcastle disease and other respiratory viruses
FI-556-16	Alcolombri, U. Weizmann Inst.	Jonikas, M. Carnegie Inst. of Was	Unraveling the CO2 sensor in algae
FI-557-16	Knop, D. Hebrew U	O'Malley, M. UCA, St.Barbara	Engineering synthetic biomass-degrading complexes inspired by anaerobic fungi
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?

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FI-559-17	Tal, L. Weizmann Inst.	Nimchuk, Z. U No. Carolina	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, D. Tel Aviv U	Wang, N. U Florida	Deciphering the kumquat (<i>Fortunella</i> spp.) resistance response to <i>Xanthomonas citri</i> pv. <i>citri</i>
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-564-17	Sharabi, O. Ben Gurion U	Zohar, Y. UMBC	Developing a technology to produce reproductively sterile rainbow trout and hybrid striped bass by disrupting primordial germ cell development
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-567-17	Kliot, A. Hebrew U	Levy, A. U Florida	Monitoring Asian citrus psyllid response to <i>Candidatus Liberibacter asiaticus</i> for developing citrus greening control measures