

## Funded BARD Graduate Student Fellowships, 2007 - 2024

<u>BARD Number</u>	<u>Applicant &amp; Institution</u>	<u>Host &amp; Institution</u>	<u>Proposal Title</u>
GS-1-07	Chiel, E. U Haifa	Hunter, S U Arizona	Transmission pathways and influence of Rickettsia on the sweet-potato whitefly, Bemisia tabaci, and its natural enemies
GS-3-07	Shechter, M. U Hebrew	Xing, B. U Mass	Sorptive properties of cutin and cutan biopolymers: effect of decomposition
GS-5-07	Jan Viau, E. Yale	Levi-Schaffer, F. U Hebrew	Respiratory toxicity of biosolids applied to agricultural fields
GS-9-07	Zohar, I. MIGAL R&D	Paytan, A. UC, Santa Cruz	Use of oxygen isotopic signature to track phosphate transformations in effluent irrigated soil
GS-10-09	Opatovsky, I. MIGAL R&D	Harwood, J.D. U Kentucky	Identification of prey of a generalist predator using molecular techniques
GS-12-09	Bahar, O. ARO, Min. Ag.	De La Fuente, L. U Auburn	Involvement of type 4 pili in twitching motility, biofilm formation and host colonization of Acidovorax avenae subsp. citrulli
GS-13-10	Marcus, I. U Drexel	Herzberg, M. U Ben Gurion	Assessing the safety of gray water for agricultural use
GS-16-11	Ben-Israel, I. U Hebrew	Yu, J. U Iowa St.	Genotyping by sequencing founder lines for heterosis association mapping in sorghum diallel
GS-21-12	Toubiana, D. U Ben Gurion	Horvath, S. UC, Los Angeles	Deciphering amino acid regulation in tomato: a network-based approach
GS-23-13	McQuinn, R. U Cornell	Zamir, D. U Hebrew	Spatial regulation of carotenoid biosynthesis in ripening tomato fruit
GS-24-13	Apel, I. U Hebrew	Siegal, M. U New York	Functional characterization of genes predicted to control pH level in the Drosophila spermathecal secretory cells
GS-25-14	Treves, H. U Hebrew	Grossman, A.R. Carnegie Inst. of Was	Breaking photosynthesis and growth limitations - Toward genomic and transcriptomic characterization of fastest growing alga
GS-26-14	Spicer, O. UMBC	Gothilf, Y. U Tel Aviv	Anatomical Distribution and Functional Roles of Gonadotropin-Inhibitory Hormone (GnIH) Neurons in the Zebrafish
GS-27-14	Kliot, A. ARO, Min. Ag.	Cilia-Heck, M.L. Boyce Thompson	Identification of novel biomarkers that predict Tomato yellow leaf curl virus vectoring capacity in the whitefly Bemisia tabaci
GS-29-16	Fitoussi, N. ARO, Min. Ag.	Kolomiets, M.V. TX AgriLife Res	Meloidogyne javanica effector manipulation of the oxylipin profile associated with the tomato response to root-knot nematodes
GS-31-16	Buettner, Kevin U Florida	Kalman, H. U Ben Gurion	Experimental validation of a non-spherical particle scaling relationship to aid in the simulation of biomass in an anaerobic digester
GS-32-16	Engel, M. U Hebrew	Elimelech, M. Yale	Antimicrobial activity of magnetic carbon nanotubes: A new technology for polishing wastewater before reuse

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GS-33-16	Larose, H. Virginia Tech	Eizenberg, H. ARO, Min. Ag.	Collaborative research in Israel: Exploring segregation patterns of germination specificity in <i>O. cumana</i> and <i>O. cernua</i>
GS-35-16	Alcalay, Y. U Ben Gurion	Severson, D. U Notre Dame	Examining G × E interaction in the innate immune responses of the Dengue vector <i>Aedes aegypti</i>
GS-36-16	Rosenberg, G. Weizmann Inst.	Rubinstein, S. U Harvard	Using fluorescence photoactivation localization microscopy to optimize beneficial bacterial strains for plant protection
GS-37-17	Levintal, E. U Ben Gurion	Selker, J. U Oregon St.	Evaluation of CO <sub>2</sub> concentrations and dynamics using an Unmanned Aircraft System in an open agricultural field and a greenhouse
GS-38-17	Marvel, Miranda U MD, Baltimore	Levavi-Sivan, B. U Hebrew	Determining the upstream factors regulating the action of <i>Gnrh2</i> in controlling feeding and reproductive behaviors in zebrafish ( <i>Danio rerio</i> )
GS-40-17	Con, P. U Hebrew	Kueltz, D. UC, Davis	Development of an in-vitro research system to study peptide absorption in tilapia
GS-41-17	Abu Tayeh, H. U Haifa	Hodge, D. U Montana St.	The effect of organosolv pretreatment for Olive mill solid waste on lignin removal and response to enzymatic hydrolysis
GS-42-18	Levy, T. U Ben Gurion	Tamone, S. U Alaska	A fishery important protandric shrimp as a model to study the controlling mechanism behind sexual differentiation in crustaceans
GS-44-19	Bahureksa, W. U Colorado St.	Chefetz, B. U Hebrew	Non-targeted screening for contaminants of emerging concern in composted Biosolids
GS-45-19	Netanel, N. U Haifa	Hunter, S U Arizona	Bacteria-like structures on ladybird beetle ( <i>Coccinellidae</i> elytra)
GS-46-19	Zollmann, M. U Tel Aviv	Zilberman, D. UC, Berkeley	Economic assessment of nitrogen supply to offshore macroalgae biorefineries
GS-47-21	Lyons, A. UC, Berkeley	Braslavsky, I. U Hebrew	Discovery and characterization of novel ice-binding proteins in tardigrades
GS-48-21	Atsmon, G. ARO, Min. Ag.	Mesgaran, M.B. UC, Davis	Hyperspectral sensing for the early detection of branched broomrape ( <i>Phelipanche aegyptiaca</i> ) on tomato
GS-49-22	Stein, N. U Ben Gurion	Mauter, M. U Stanford	The effects of effluent organic matter on Phosphate based scaling during desalination of tertiary wastewater
GS-50-22	Bodenheimer, S. U Hebrew	Koenig, D. UC, Riverside	Wild plasmotype diversity for evolving and breeding abiotic stress resilience in barley
GS-51-23	Eliyahu, A. U Hebrew	Grozinger, C.M. U Penn State	Wild Pollinator Health - Transcriptional and Post-Transcriptional Immune Responses of Wild Bees to Viruses

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GS-52-23	Stromberg, M. U MD, Baltimore	Lahav, O. Technion	Analysis of novel methods for the removal of off-flavor terpenoids geosmin and 2-methylisoborneol in recirculating aquaculture systems
GS-53-23	Skarlupka, J. U Wisconsin	Jami, E. ARO, Min. Ag.	Characterizing the establishment timeline of ciliate protozoa in the dairy cow rumen