

**BARD Approved Projects
Award Year 2017**

25/05/2017

US-4986-17F	Assessing the economics of processed natural resources - the case of seaweed		Ag. Economics & Rural Devel. App. Duration: 1 year
	Zilberman, D.	UC, Berkeley	CA
	Palatnik, R.	Yezreel Valley College	
	* Golberg, A.	Tel Aviv U	
US-4991-17	Using remote sensing to develop dynamic irrigation management zones		Agricultural Innovation & Engi App. Duration: 3 years
	* Snider, J.L.	U Georgia	GA
	Cohen, Y.	ARO, Min. Ag.	
	Vellidis, G.	U Georgia	GA
	Saranga, Y.	Hebrew U	
	* Porter, M.	U Georgia	GA
	Perry, C.	U Georgia	GA
	* Liakos, V.	U Georgia	GA
	Rud, R.	ARO, Min. Ag.	
	Shaked, B.	ARO, Min. Ag.	
	Rosenfeld, L.	ARO, Min. Ag.	
IS-4995-17R 4981	Use of plant based biofilters to create sustainable mariculture systems		Animal Production App. Duration: 3 years
	* Guttman, L.	Isr. Ocean. Res.	
	Main, L	Mote	FL
	Brennan, N.	Mote	FL
	* Tarnecki, A.	Mote	FL
	Shpigel, M.	Isr. Ocean. Res.	
US-4997-17	Genetic analyses of recombination and PRDM9 alleles and their implications in dairy cattle breeding		Animal Production App. Duration: 3 years
	Liu, G.	USDA, ARS	MD
	Seroussi, E.	ARO, Min. Ag.	
	* Ma, L.	U Maryland	MD
US-5000-17R 4897	Genotypes and phenotypes of telomere length in Holstein cattle: Actors or reporters		Animal Production App. Duration: 3 years
	Dechow, C.D.	Penn State U	PA
	Shabtay, A.	ARO, Min. Ag.	
	Tzfati, Y.	Hebrew U	
	Ott, T.	Penn State U	PA
	Soller, M.	Hebrew U	
	Liu, W.	Penn State U	PA
	* Cohen-Zinder, M.	ARO, Min. Ag.	
	Lipkin, E.	Hebrew U	
IS-5001-17C 4576	A proteomics and transcriptomics study into Myxozoan parasite infection mechanisms		Animal Health App. Duration: 3 years
	Lotan, T.	U Haifa	
	* Atkinson, S.	Oregon St. U	OR
	Bartholomew, J.	Oregon St. U	OR
IS-5005-17R 4904	Novel vaccination strategies to combat chicken arthritis/tenosynovitis reoviruses in US and Israel		Animal Health App. Duration: 3 years
	Lublin, A.	Isr. Vet. Inst.	
	Goyal, S.M.	U Minnesota	MN
	Porter, E.	U Minnesota	MN
	Ly, H.	U Minnesota	MN
	Farnoushi, Y.	Isr. Vet. Inst.	
	* Mor, S.	U Minnesota	MN

US-5009-17	Cucumis fruit surface biology: Genetic analysis of fruit exocarp features in melon (<i>C. melo</i>) and cucumber (<i>C. sativus</i>)	Crop Production App. Duration: 3 years
	Grumet, R. Michigan St. U MI	
	Schaffer, A. ARO, Min. Ag.	
	Barry, C. Michigan St. U MI	
	Burger, J. ARO, Min. Ag.	
	* Gur, A. ARO, Min. Ag.	
	Tadmor, Y. ARO, Min. Ag.	
IS-5010-17	Improving fleshy fruit set by dissecting the AGL6 regulatory pathway	Crop Production App. Duration: 3 years
	Arazi, T. ARO, Min. Ag.	
	Grotewold, E. Ohio St. U OH	
IS-5020-17	The molecular dissection of the crop maturation trait in peanut	Crop Production App. Duration: 3 years
	Hovav, R. ARO, Min. Ag.	
	Ozias-Akins, P. U Georgia GA	
IS-5023-17C 4734	Bacterial fruit blotch: Elucidating the mechanisms of fruit infection by <i>Acidovorax citrulli</i>	Crop Health App. Duration: 3 years
	Burdman, S. Hebrew U	
	Walcott, R. U Georgia GA	
	Zhao, B. Virginia Tech VA	
	Welbaum, E. Virginia Tech VA	
IS-5024-17R 4944	Identifying unique and overlapping roles of reactive oxygen species in rice blast and Southern corn leaf blight	Crop Health App. Duration: 3 years
	Horwitz, B. Technion	
	Donofrio, M. U Delaware DE	
IS-5027-17C 4513	The role and control of the RNA-dependent RNA polymerase 1 gene family in cucumber virus defense	Crop Health App. Duration: 3 years
	Gal-On, A. ARO, Min. Ag.	
	Ding, S.W. UC, Riverside CA	
US-5029-17	Systems biology approaches to dissect virus-host interactions to develop crops with broad-spectrum virus resistance	Crop Health App. Duration: 3 years
	Wang, X.F. Virginia Tech VA	
	Schuldiner, M. Weizmann Inst.	
IS-5033-17	Small molecule cocktails designed to impair virulence targets in soft rot <i>Erwinias</i>	Crop Health App. Duration: 3 years
	Yedidia, I. ARO, Min. Ag.	
	Charkowski, A.O. Colorado St. U CO	
	Senderowitz, H. Bar Ilan U	
IS-5038-17C 4864	Postharvest sweetening of potato seed tubers and effects on their yield performance	Food Product App. Duration: 3 years
	Eshel, D. ARO, Min. Ag.	
	Jiang, J. U Wisconsin WI	

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IS-5040-17	Microbial networks on harvested apples and the design of antagonistic consortia to control postharvest pathogens	Food Product App. Duration: 3 years
	Droby, S. ARO, Min. Ag.	
	Wisniewski, M.E. USDA, ARS	WV
	Freilich, S. ARO, Min. Ag.	
	Norelli, J.L. USDA, ARS	WV
	Faigenboim, A. ARO, Min. Ag.	
IS-5042-17C 4773	Mechanisms governing the global regulation of mycotoxin production and pathogenicity by <i>Penicillium expansum</i> in postharvest fruits	Food Product App. Duration: 3 years
	Sionov, E. ARO, Min. Ag.	
	Keller, N.P. U Wisconsin	WI
	* Barad-Kotler, S. ARO, Min. Ag.	
US-5046-17R 4966	Metabolic network approaches for deciphering microbial functions in amendment-based solutions for soil-borne disease suppression	Environ/Water/Ren. Res. App. Duration: 3 years
	Mazzola, M. USDA, ARS	WA
	* Freilich, S. ARO, Min. Ag.	
	* Doron-Faigenboim, A. ARO, Min. Ag.	
US-5051-17	Energy, nutrient and water recovery from dairy waste	Environ/Water/Ren. Res. App. Duration: 3 years
	Jassby, D. UC, Riverside	CA
	Gross, A. Ben Gurion U	
	Walker, S. UC, Riverside	CA
	Tester, W. Cornell U	NY

* Indicates an early career scientist (less than 5 years from first institutional appointment)