

**ALVSCE Quarterly New Awards April - June 2019**

Lead Investigator	Leading Unit	Investigator	Investigator Unit	Award Title	Sponsor	Total Award Amount
Duca, Frank Anthony	Animal&Biomedical Sciences			The Role of Short-Chain Fatty Acid Sensing in Regulating Hepatic Glucose Production	National Institute of Diabetes and Digestive and Kidney Diseases	\$ 1,844,529
Viswanathan, Virinchi ipuram	Animal&Biomedical Sciences	Vedantam, Gayatri	Animal&Biomedical Sciences-Res	Host-cell Mitochondrial Alterations Play a Central Role in EPEC Pathogenesis	National Institute of Allergy and Infectious Disease	\$ 1,826,494
Filer, Parker	Pima County Office			Pima County SmartScape Program	City of Tucson, Arizona	\$ 843,000
Fox, Andrew	Sch of Natural Resources	Moore, David Joseph; Smith, William Kolby	Sch of Nat Resource&Enviro-Res	Improving Mechanistic Representation of Arctic Carbon Dynamics Using Data Assimilation	NASA Headquarters	\$ 799,239
Schwartz, Kerry L	Water Resources Research Center			Intergovernmental Agreement Between City of Tucson Water and Arizona Project WET (APW)	City of Tucson, Arizona	\$ 756,000
Posthumus, Erin Elizabeth	Sch of Natural Resources			Colorado Plateau CESU: Phenology Monitoring Technical Assistance Nature's Notebook Citizen Science for Engagement and Management	United States Fish and Wildlife Service	\$ 688,093
Dontsova, Katerina M	Soil Water and Enviro Sci	Brusseau, Mark L; Meixner, Thomas	Environmental Science-Ins; Hydrology & Atmospheric Sci	Integrative Approach to Quantifying Fate of Munitions Constituents on Training Ranges	United States Army Corps of Engineers	\$ 680,067
Meredith, Laura	Sch of Natural Resources		Sch of Nat Resource&Enviro-Res	Spatially-Resolved Microbial Activity Probe Using Infrared Measurements of Nitrous Oxide and Methane Isotopes in Soil	USDOE - Aerodyne Research, Inc.	\$ 554,098
Baltrus, David A	School of Plant Sciences			How a Phage-Derived Weapon System Shapes Interbacterial Interactions Within and Across Species	National Science Foundation	\$ 550,458
Stock, S Patricia	Animal&Biomedical Sciences	Vedantam, Gayatri	Animal&Biomedical Sciences-Res	REU Site: Microbial Symbioses and Diversity Research Experience at the University of Arizona	National Science Foundation	\$ 478,287
Hunter, Martha S	Entomology	Baltrus, David A; Ravenscraft, Alison M	School of Plant Sciences-Res; Center for Insect Science	Does An Environmentally-Acquired Beneficial Symbiont Shape The Biology Of A Leaf-Footed Bug Pest?	United States Department of Agriculture	\$ 455,000
Schmidt, Monica	School of Plant Sciences			Characterization and Enhancement of Higs in Aflatoxin-Free Transgenic Maize	United States Department of Agriculture	\$ 424,525
Brown, Judith K	School of Plant Sciences			Asian Citrus Psyllid Polymerase Chain Reaction Analysis Contract	USDA-California Department of Food and Agriculture	\$ 386,066

**ALVSCE Quarterly New Awards April - June 2019**

Gornish,Elise	Sch of Natural Resources	Barberan,Albert; Fehmi,Jeffrey S; Mcclaran,Mitchel P; Ruyle,George B	Environmental Science-Res; Sch of Nat Resource&Enviro-Res	The Utility of Plant Traits to Identify Range Seeding Candidates that can Achieve Multiple Management Goals	USDA-Western Sustainable Agriculture Research and Education	\$ 342,481
Sanchez,Charles A	Soil Water and Enviro Sci	Andrade Sanchez,Pedro	Biosystems Engineering-Res	Spatial and Temporal N Management for Irrigated Vegetable Production Systems	4R Research Fund	\$ 341,873
Walsh,Michele E	Sch of Family & Consum Sci			Statewide and Regional Needs and Assets Reports	Arizona Early Childhood Development and Health Board	\$ 306,000
Harris,Rebecca Ann Mosher	School of Plant Sciences			EAGER: Biochemical and Genetic Tools for Analysis of Paralogous Polymerase Subunits in Grasses	National Science Foundation	\$ 299,092
Bonar,Scott A	Sch of Natural Resources			University of Arizona Cooperative Wildlife Research Agreement	USFWS-Arizona Game and Fish Department	\$ 200,000
Barnett,Melissa A	Sch of Family & Consum Sci			Independent and Interactive Links Between Individual and Classroom-Level Teacher-Child Relationship Quality and Childrens Academic School Readiness Skills	Eunice Kennedy Shriver National Institute of Child Health and Human Development	\$ 179,175
Hingle,Melanie D	Nutritional Sciences	Infante,Vanessa R; Jackson,Kelly A; Linares-Gaffer,Ashlee L; Mars,Matthew M; Ravia,Jennifer J	Nutritional Sciences-Ext; Agricultural Education-Ins	University of Arizona Multicultural Scholars Program in Culinary Medicine	United States Department of Agriculture	\$ 164,000
Dial,Sharon M	AZ Veterinary Diagnostic Lab			AZ FY 19 Level 2 Member Lab Agreement	United States Department of Agriculture	\$ 137,000
Koprowski,John L	Sch of Natural Resources	Hall,David Harrington	Sch of Nat Resource&Enviro-Res	Bull Frog Eradication to Enhance Chiricahua Leopard Frog Recovery	United States Fish and Wildlife Service	\$ 112,264
Gilman,Kristy Ellen	Nutritional Sciences	Limesand,Kirsten H	Nutritional Sciences-Res	The Role of the P2X7 Receptor in Radiation-Induced Salivary Gland Inflammation and Dysfunction	National Institute of Dental and Craniofacial Research	\$ 79,668
Bonar,Scott A	Sch of Natural Resources			Update and Further Development of Standard Sampling Protocols for Inland Fisheries	USFWS-American Fisheries Society	\$ 77,602
Roebuck,James C	Nutritional Sciences			Prevention Evaluation Services	Arizona Complete Health	\$ 67,577

**ALVSCE Quarterly New Awards April - June 2019**

Sparks,Elizabeth W	Pima County Office			4-H National Mentoring Program, Year 9	Office of Juvenile Justice and Delinquency Prevention-National 4-H Council	\$ 57,794
Blankinship,Joseph	Soil Water and Enviro Sci			Dust Mitigation Research at Picacho Peak Road	Arizona Department of Environmental Quality	\$ 48,320
Ellsworth,Peter C	Entomology	Fournier,Alfred J	Entomology-Ext	Selectivity of Cotton Insecticides Drive Ecotoxicological Gains and Improve Arizona Cotton IPM	Cotton, Incorporated	\$ 45,000
Megdal,Sharon B	Water Resources Research Center			Joint Program Agreement with Lincoln Institute of Land Policy	The Lincoln Institute of Land Policy	\$ 45,000
Falk,Donald A	Sch of Natural Resources			Understanding Mechanisms of Fire-caused Vegetation Type Conversion in Southwestern Conifer Forests Under Current and Future Climate	United States Geological Survey	\$ 44,995
Schwartz,Kerry L	Water Resources Research Center			Arizona Project WET . ADWR . Tucson AMA Intergovernmental Agreement	Arizona Department of Water Resources	\$ 44,100
Maier,Raina Margaret	Soil Water and Enviro Sci	Neilson,Julia W	Environmental Science-Res	Center for Environmentally Sustainable Mining (CESM) Membership Agreement	BHP Copper, Incorporated	\$ 40,000
Siemens,Mark C	Biosystems Engineering - Res			Precision Cultivating Technologies for Improved Weed Control in Cotton	Cotton, Incorporated	\$ 35,000
Van Leeuwen,Willem J	Sch of Natural Resources			SRP SWANN LiDAR Data Acquisition and Processing	Salt River Project	\$ 30,000
Dial,Sharon M	AZ Veterinary Diagnostic Lab	Viesselmann,Lisa	AZ Veterinary Diagnostic Lab	Zoetis SA Urine Sediment Analyzer Precision Study	Zoetis	\$ 27,161
Hutchinson,Barbara S	Sch of Natural Resources			Strengthening RREA Programing Through Enhanced Connections: A Web-Based Conference Series	USDA-University of Hawaii	\$ 27,048
Ramirez,Monica D	Soil Water and Enviro Sci			Assessing Community Environmental Health Impacts of Sanitary Sewer Overflows	Cochise County, Arizona	\$ 25,201
Palumbo,John C	Entomology			ICV731A3-2019US: ISM-555 CP NA 2019 DC100/SC200 Profiling - Lepidoptera in Leafy Vegetables	Syngenta Crop Protection, LLC	\$ 24,000
Palumbo,John C	Entomology			ICV730A3-2019US: ISM-555 CP NA 2019 DC100/SC200 profiling - thrips in leafy vegetables	Syngenta Crop Protection, LLC	\$ 17,000
Palumbo,John C	Entomology			Evaluation of Insecticide Alternatives for Whiteflies and CYSDV in Melons	California Melon Research Advisory	\$ 16,698
Mcmahon,Michelle M	School of Plant Sciences	Mcmahon,Michelle M	School of Plant Sciences-Res	Section 6 Program Facilitation	USFWS-Arizona Department of Agriculture	\$ 14,753

**ALVSCE Quarterly New Awards April - June 2019**

Li,Yue	Sch of Natural Resources			Studying Life History and Demography of Eryngium Sparganophyllum in Arizona	USFWS-Arizona Department of Agriculture	\$ 14,210
Malusa,James R	Sch of Natural Resources	Malusa,James R	Sch of Nat Resource&Enviro-Res	Invasive Species and Urban Biodiversity	Arizona Sonora Desert Museum	\$ 12,000
Norton,Elbert R	Graham County Office			Syngenta Service Order A-5, NMG101A3-2019US, \$12K	Syngenta Crop Protection, LLC	\$ 12,000
Norton,Elbert R	Graham County Office			Performance of Protocol Plan No 2019-01-A0-06	Monsanto Company	\$ 11,363
Falk,Donald A	Sch of Natural Resources			Integrating Fire Science and Management	United States Forest Service	\$ 11,352
Norton,Elbert R	Graham County Office			Syngenta Service Order A-6, FMG100A3-2019US, \$10K	Syngenta Crop Protection, LLC	\$ 10,000
Sparks,Elizabeth W	Pima County Office			FARMacy	National 4-H Council	\$ 9,000
Sekaquaptewa,Susan Karen	Tribal Extension Programs			Fresh Eggs Daily	The Hopi Foundation	\$ 7,214
Mccloskey,William B	School of Plant Sciences	Norton,Elbert R	Graham County Office	Cotton Injury from Enlist One (2,4-D) Herbicide Drift	Cotton, Incorporated	\$ 7,000
Mostafa,Ayman M	Maricopa County Office	Mostafa,Ayman M	Maricopa County Office	Performance of Protocol Plan No FY 19-17	Monsanto Company	\$ 6,493
Walsh,Michele E	Sch of Family & Consum Sci			Community Research, Evaluation & Development (CRED)	Yavapai County Education Service Agency	\$ 2,000
Sherman,Joshua D	Cochise County Office			Epidemiology and Management of Colletotrichum Species Causing Anthracnose, Botryosphaeria Species and Phoma Fungicola Causing Blight Diseases on Pistachio in California and Arizona (3rd year)	California Pistachio Research Board- University of California, Davis	\$ 1,500
Sparks,Elizabeth W	Pima County Office			2019 RWJF Youth Community Health Action Plan Award	National 4-H Council	\$ 500

**New Awards by CALS Co-Investigator when Leading PI is not in CALS**

Co-Investigator	Co-Investigator Unit	Lead Investigator	Leading Unit	College Name	Award Title	Sponsor	Total Anticipated Amount (Award)	Co-PI Award Amount
Toomey,Russell B	Sch of Family & Consum Sci-Ins	Yoon,Jina	Disability Psychoeduc Studies	College of Education	Effects of Teaching Practices on Peer Victimization and Defending Behaviors	National Science Foundation	\$ 678,049	\$ 169,512
Toomey,Russell B	Sch of Family & Consum Sci-Ins	Garfin,Gregg M	Institute of the Environment	RDI Centers & Institutes	Assessing Climate Variability and Adaptation Strategies for the Rio Grande Basin, 12/03/2018	United States Geological Survey	\$ 299,374	\$ 74,844
Toomey,Russell B	Sch of Family & Consum Sci-Ins	Jacobs,Katharine L	Institute of the Environment	RDI Centers & Institutes	Sustaining Partners and Building Networks for Effective Climate Adaptation Knowledge Exchange in the Interior Southwest	United States Geological Survey	\$ 85,960	\$ 64,470
Toomey,Russell B	Sch of Family & Consum Sci-Ins	Garfin,Gregg M	Institute of the Environment	RDI Centers & Institutes	Preventing Extreme Fire Events by Learning From Historical fire Events, Weather, and Drought	United States Geological Survey	\$ 121,843	\$ 60,922
Toomey,Russell B	Sch of Family & Consum Sci-Ins	Garfin,Gregg M	Institute of the Environment	RDI Centers & Institutes	Preventing Extreme Fire Events by Learning From Historical Fire Events, Weather, and Drought	United States Geological Survey	\$ 113,375	\$ 56,688
Chorover,Jonathan D	Environmental Science-Res	Field,James A	Chemical & Environmental Engr	College of Engineering	High Rate Degradation of 3-Nitro-1,2,4-triazol-5-one (NTO) to Environmentally Benign End Products in Sequential Reducing-Oxidizing Reactive Mineral Packed Bed Reactors	United States Army Corps of Engineers	\$ 678,603	\$ 51,035
Toomey,Russell B	Sch of Family & Consum Sci-Ins	Garfin,Gregg M	Institute of the Environment	RDI Centers & Institutes	Improving and Accelerating the Application of Research Findings to Key Natural-Resource Management Issues in California	United States Geological Survey	\$ 95,834	\$ 47,917

New Awards by CALS Co-Investigator when Leading PI is not in CALS

Root,Robert A	Environmental Science-Res	Field,James A	Chemical & Environmental Engr	College of Engineering	High Rate Degradation of 3-Nitro-1,2,4-triazol-5-one (NTO) to Environmentally Benign End Products in Sequential Reducing-Oxidizing Reactive Mineral Packed Bed Reactors	United States Army Corps of Engineers	\$ 678,603	\$ 40,828
Barnett,Melissa A	Sch of Family & Consum Sci-Ins	MacLean,Evan	School of Anthropology	College of Social & Behav Sci	Roles of Oxytocin and Vasopressin in the Psychobiology of Human-Animal Interaction	WALTHAM Centre for Pet Nutrition (United Kingdom)	\$ 157,438	\$ 15,744
Antin,Parker B	Research Administration	Merchant,Nirav C	BIO5 Institute	RDI Centers & Institutes	CyVerse Implementation in TUG	Graz University of Technology Institute of Interactive Systems and Data Science (Austria)	\$ 66,250	\$ 6,625

**ALVSCE Quarterly Continuing Awards April - June 2019**

<b>Lead Investigator Name</b>	<b>Lead Investigator Organization Name</b>	<b>Proposal Title</b>	<b>Sponsor Name</b>	<b>Total Cost by Investigator</b>
Filer,Parker	Pima County Office	Pima County SmartScape Program	City of Tucson, Arizona	\$ 843,000
Meredith,Laura	Sch of Nat Resource&Enviro-Res	Spatially-Resolved Microbial Activity Probe Using Infrared Measurements of Nitrous Oxide and Methane Isotopes in Soil	Aerodyne Research, Inc.	\$ 554,098
Argyros,Jennifer L	Santa Cruz County Office	Santa Cruz Family Resource Center Program	Arizona Early Childhood Development and Health Board	\$ 510,600
Martinez,Cathy L	Pinal County Office	Pinal Developmental and Sensory Screening - Year 2	Arizona Early Childhood Development and Health Board	\$ 330,000
Merk,Patricia A	Maricopa County Office	University of Arizona-Roosevelt Early Childhood Family Resource Center	Arizona Early Childhood Development and Health Board	\$ 274,362
Martinez,Cathy L	Pinal County Office	Oral Health - Pinal County	Arizona Early Childhood Development and Health Board	\$ 234,000
Parrott,Amy M	Yuma County Office	First Smiles Yuma	Arizona Early Childhood Development and Health Board	\$ 220,000
Bonar,Scott A	Sch of Nat Resource&Enviro-Res	University of Arizona Cooperative Wildlife Research Agreement	Arizona Game and Fish Department	\$ 200,001
Molnar,Istvan	Sch of Nat Resource&Enviro-Res	Combinatorial Biosynthesis of Fungal Benzenediol Lactone Polyketides	National Institutes of Health	\$ 200,000
Dial,Sharon M	AZ Veterinary Diagnostic Lab	NAHLN:AZ	United States Department of Agriculture	\$ 137,000
Pauli,William Duke	School of Plant Sciences-Res	Sorghum Genomics Toolbox: TERRA Partnership	The Donald Danforth Plant Science Center	\$ 115,556
Brown,Judith K	School of Plant Sciences-Res	Molecular pathology surveillance of leaf curl virus and whitefly haplotypes, and host resistance to cotton leaf curl complex, an exotic high-risk pathogen-vector complex	Cotton, Incorporated	\$ 107,115
Dixon,Ashley L	Gila County Office	San Carlos Developmental and Sensory Screening - Year 2	Arizona Early Childhood Development and Health Board	\$ 92,799
Whitmer,Evelyn B	Santa Cruz County Office	Child Care Health Consultation (Santa Cruz County)	Arizona Early Childhood Development and Health Board	\$ 89,600
Martinez,Cathy L	Pinal County Office	QF Child Care Health Consultation	Arizona Early Childhood Development and Health Board	\$ 89,600
Martinez,Cathy L	Pinal County Office	QF Child Care Health Consultation	Arizona Early Childhood Development and Health Board	\$ 89,600
Wyatt,Melissa A	La Paz County Office	First Things First, Childcare Health Consortium Mohave and LaPaz	Arizona Early Childhood Development and Health Board	\$ 81,940

**ALVSCE Quarterly Continuing Awards April - June 2019**

Martinez,Cathy L	Pinal County Office	Pinal Parenting Education - Year 3	Arizona Early Childhood Development and Health Board	\$ 77,000
Megdal,Sharon B	Water Resources Rsch Ctr-Res	State Water Resources Research Institute Program Fiscal Year 2019 Request for Applications	United States Geological Survey	\$ 55,401
Dixon,Ashley L	Gila County Office	Nutrition/Obesity/Physical Activity - Year 2	Arizona Early Childhood Development and Health Board	\$ 50,000
Dixon,Ashley L	Gila County Office	Nutrition/Obesity/Physical Activity - Year 2	Arizona Early Childhood Development and Health Board	\$ 50,000
Tabashnik,Bruce E	Entomology-Res	Acquisition of Goods and Services (58-2022-8-004)	Agricultural Research Service	\$ 42,837
Thacker,Vince L	Maricopa Agricultural Ctr-Res	ACQUISITION OF GOODS AND SERVICES DYER	United States Department of Agriculture	\$ 42,658
Mannan,Robert W	Sch of Nat Resource&Enviro-Res	Reducing Raptor Electrocutions in Tucson, Arizona	Tucson Electric Power Company	\$ 40,000
Martinez,Cathy L	Pinal County Office	Gila Oral Health - Year 2	Arizona Early Childhood Development and Health Board	\$ 36,000
Dixon,Ashley L	Gila County Office	Gila Developmental and Sensory Screening - Year 2	Arizona Early Childhood Development and Health Board	\$ 35,000
Dixon,Ashley L	Gila County Office	San Carlos Developmental and Sensory Screening - Year 2	Arizona Early Childhood Development and Health Board	\$ 23,200
Tabashnik,Bruce E	Entomology-Res	Acquisition of Goods and Services	Agricultural Research Service	\$ 20,264
Megdal,Sharon B	Water Resources Rsch Ctr-Res	State Water Resources Research Institute Program Fiscal Year 2019 Request for Applications	United States Geological Survey	\$ 18,467
Brandau,William K	Graham County Office	QF Child Care Health Consultation	Arizona Early Childhood Development and Health Board	\$ 17,920
Maier,Raina Margaret	Soil Water Enviro Sci-Res	A Collaborative Industry-University Research Initiative on Revegetation of Mining Wastes	KGHM International (Canada)	\$ 17,500
Maier,Raina Margaret	Soil Water Enviro Sci-Res	A Collaborative Industry-University Research Initiative on Revegetation of Mining Wastes	KGHM International (Canada)	\$ 17,500
Maier,Raina Margaret	Soil Water Enviro Sci-Res	A Collaborative Industry-University Research Initiative on Revegetation of Mining Wastes	Resolution Copper Company	\$ 17,500
Maier,Raina Margaret	Soil Water Enviro Sci-Res	A Collaborative Industry-University Research Initiative on Revegetation of Mining Wastes	Resolution Copper Company	\$ 17,500
Riggs,Michael W	Animal&Biomedical Sciences-Res	Novel Compounds as Food Additives active against Cryptosporidium parvum	Purina Animal Nutrition, LLC.	\$ 13,084
Nelson,Andrew	School of Plant Sciences-Res	REU/RAHSS Supplement to MINE-PGR: Mining Public RNA-Seq Data to Identify and Annotate Long Non-Coding RNAs in Fifteen Diverse Angiosperms	National Science Foundation	\$ 12,000



**ALVSCE Quarterly Continuing Awards April - June 2019**

Falk,Donald A	Sch of Nat Resource&Enviro-Res	Making Fire Science Great Again	United States Forest Service	\$ 11,932
Megdal,Sharon B	Water Resources Rsch Ctr-Res	State Water Resources Research Institute Program Fiscal Year 2019 Request for Applications	United States Geological Survey	\$ 9,234
Megdal,Sharon B	Water Resources Rsch Ctr-Res	State Water Resources Research Institute Program Fiscal Year 2019 Request for Applications	United States Geological Survey	\$ 9,234
Dixon,Ashley L	Gila County Office	Gila Developmental and Sensory Screening - Year 2	Arizona Early Childhood Development and Health Board	\$ 8,750
Martinez,Cathy L	Sch of Family & Consum Sci-Ext	UA ACE Wildcats Corps	Corporation for National and Community Service	\$ 3,958