

Quarterly ALVSCE New Awards by
Lead Investigator
January 1 - March 31, 2022

Lead Investigator	Leading Unit	Investigator	Investigator Unit	Award Title	Sponsor	Total Anticipated Amount (Award)
Limesand, Sean W	Limesand, Sean W	Goyal, Ravi	Animal&Biomedical Sciences-Res	Prevention of Placental Insufficiency Improves Beta-Cells Function	National Institute of Diabetes and Digestive and Kidney Diseases	\$2,398,682
Snider, Ashley J	Nutritional Sci Wellness - RES	Chow, Hsiao-Hui Padi, Megha Simpson, Richard	Cancer Center Division Nutritional Sci Wellness	Role for Myeloid Acid Ceramidase in Colon Inflammation and Cancer	National Institute of Diabetes and Digestive and Kidney Diseases	\$1,660,400
Carini, Paul	Environmental Science-Res	Carini, Paul	Environmental Science-Res	CAREER: Just Add Water? Investigating RNA Stability in Desiccated Soil Bacteria	National Science Foundation	\$1,466,520
Chief, Karletta	Environmental Science-Res	Kacira, Murat Karanikola, Vasiliki Potter, Kelly	Biosystems Engineering-Res	SRS RN: Transforming Rural-Urban Systems: Trajectories for Sustainability in the Intermountain West	National Science Foundation	\$1,250,000
Brierley, Paul E	YCEDA	Slinski, Stephanie L	YCEDA	Yuma County COVID-19 Community Protection Early Warning and Response Program	Centers for Disease Control and Prevention	\$1,000,000
Renquist, Benjamin J	Animal&Biomedical Sciences	Limesand, Sean W Pires, Paulo	Animal&Biomedical Sciences-Res Physiology	Investigating The Role Of Blood Flow In Heat Stress Hypophagia And Hypogalactia	United States Department of Agriculture	\$650,000
Bogan, Michael	Sch of Natural Resources	Lipson, Rebecca Marie	Office of Societal Impacts	BIORETS: Conserving Water Resources and Riparian Biodiversity in a Changing Desert Climate	National Science Foundation	\$599,107
Ruyle, George B	Nat Res Users Law & Policy Ctr	Ruyle, George B	Nat Res Users Law & Policy Ctr	Water Adjudication Clinic Funding	Office of the Arizona Governor	\$500,000
Chorover, Jonathan D	Environmental Science-Res	Troch, Peter A	Hydrology & Atmospheric Sci	Collaborative Research: Concentration - Ratio - Discharge (C-R-Q) Relationships of Transient Water-Age Distributions	National Science Foundation	\$466,484
Vedantam, Gayatri	Animal&Biomedical Sciences	Vedantam, Gayatri	Animal&Biomedical Sciences-Res	A Bio-controlled, Microbiota-Sparing, Live Biotherapeutic Anti-Infective for Clostridioides difficile	National Institutes of Health	\$408,653
Chorover, Jonathan D	Environmental Science-Res	Abrell, Leif M Field, James Sierra Alvarez, Maria Reyes	Environmental Science-Res Chemical & Environmental Engr Chemical & Environmental Engr	In-Situ Sequestration of PFAS from Contaminated Groundwater using Injectable High Affinity Cationic Hydrophobic	United States Army Corps of Engineers	\$250,000

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Dhar,Arun K	Animal&Biomedical Sciences	Dhar,Arun K	Animal&Biomedical Sciences-Res	Evaluation of Genomic Selection for Acute Hepatopancreatic Necrosis Disease Survival and Resistance in White Pacific Shrimp: Genomic Prediction and Genome-Wide Association Study	University of Connecticut	\$223,289
Norton,Elaine	Animal&Biomedical Sciences	Norton,Elaine	Animal&Biomedical Sciences-Res	JEC Supplement Trial	John Ewing Company	\$117,856
Umeda,Kai	Maricopa County Office	Umeda,Kai	Maricopa County Office	Teen Pregnancy Prevention PREP Personal Responsibility Education Program RGF number: RFGA2022-005	Arizona Department of Health Services	\$117,031
Brawley,Nathan Quade	Graham County Office	Brawley,Nathan Quade Knight, Lori S Norton, Elbert R	Graham County Office	REC Center	United Way of Graham and Greenlee Counties	\$110,000
Brown,Judith K	School of Plant Sciences	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 (06-829 Core Project for 2022)	Cotton, Incorporated	\$99,129
Scheitrum,Daniel	Agric & Resource Econ	Scheitrum,Daniel	Agricultural Resource Econ-Res	Understanding Concentration and Coordination in Livestock/Poultry and Meat Supply Systems, and Sustainability Across those Systems	Oklahoma State University	\$70,100
Lopez,Gerardo U	Animal&Biomedical Sciences	Elliott-Engel,Jeremy	Agric Extension Administration	4-H Multi-State Space Exploration Consortium (4-H MSSEC)	Center for the Advancement of Science in Space	\$66,145
Siemens,Mark C	Biosystems Engineering-Res	Pryor,Barry M	School of Plant Sciences-Res	Band Steam Application for Weed and Disease Control in Vegetable Crops	University of California, Davis	\$59,090
Law,Bibiana	Animal&Biomedical Sciences	Law,Bibiana	Animal&Biomedical Sciences-Res	Natural Plant-Made Antimicrobials for Novel Sanitation and Water Reduction	National Science Foundation	\$50,000
Pepper,Ian L	Environmental Science-Res	Pepper,Ian L	Environmental Science-Res	Water and Environmental Technology (WET) Center - Membership Agreement	Yokogawa Electric Corporation (Japan)	\$50,000
Hu,Jiahuai	School of Plant Sciences	Hu,Jiahuai	School of Plant Sciences-Res	Brown Wood Rot Diseases of Lemon: A Search for New Methods of Chemical Control	Arizona Citrus Research Council	\$40,000
Orbach,Marc Joel	School of Plant Sciences	Orbach,Marc Joel	School of Plant Sciences-Res	31st Fungal Genetics Conference	National Institutes of Health	\$32,813
Wright,Glenn C	School of Plant Sciences	Wright,Glenn C	School of Plant Sciences-Res	Field Trials to Reduce Brown Wood Rot 2022	Arizona Citrus Research Council	\$31,142
Hu,Jiahuai	School of Plant Sciences	Hu,Jiahuai	School of Plant Sciences-Res	Survey of Fusarium oxysporum f. sp. vasinfectum in Arizona Cotton	Cotton, Incorporated	\$30,000

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Crimmins,Theresa M	Sch of Natural Resources	Crimmins,Theresa M	Sch of Nat Resource&Enviro-Res	Dimensions of Biodiversity	The Morton Arboretum	\$29,478
Wright,Glenn C	School of Plant Sciences	Wright,Glenn C	School of Plant Sciences-Res	Citrus Rootstock Evaluation - 2022	Arizona Citrus Research Council	\$28,684
Gornish,Elise	Sch of Natural Resources	Gornish,Elise	Sch of Nat Resource&Enviro-Res	EcoRestore: Creating an Online Portal of State-specific IPM Information for Arizona and Utah	Western Integrated Pest Management Center	\$26,143
Andrade Sanchez,Pedro	Biosystems Engineering-Res	Andrade Sanchez,Pedro	Biosystems Engineering-Res	Efficiency Gains Through Precision Planting of Cotton Seed Under Semi-Desert Irrigated Conditions	Cotton, Incorporated	\$25,000
Jenks,Matthew	School of Plant Sciences	Jenks,Matthew	School of Plant Sciences-Res	Integrated Weed Management Impacts on Stand Establishment to Maximize Yield and Quality of Alfalfa	National Alfalfa & Forage Alliance	\$21,715
Ellsworth,Peter C	Entomology	Ellsworth,Peter C	Entomology-Res	Improving Insect Management Strategies in Arizona Cotton	Cotton, Incorporated	\$21,000
Culver,Melanie	Sch of Natural Resources	Culver,Melanie	Sch of Nat Resource&Enviro-Res	Genetic Analysis of Three Notodontid Moths Petitioned for Listing Under the Endangered Species Act	United States Geological Survey	\$20,063
Pauli,William Duke	School of Plant Sciences	Pauli,William Duke	School of Plant Sciences-Res	Improving Phenomic and Genomic Resources for Resilient Relative of Common Bean - Tepary Bean - Phaseolus Acutifolius	Boyce Thompson Institute	\$20,000
Stuth,Christine Lynn	Coconino County Office	Stuth,Christine Lynn	Coconino County Office	Tiny Teeth, Big Smiles	Delta Dental of Arizona Foundation	\$20,000
Crimmins,Theresa M	Sch of Natural Resources	Posthumus,Erin Elizabeth	Sch of Nat Resource&Enviro-Res	Monarchs in Arizona Community Science Project	Monarch Joint Venture	\$19,534
Weiss,Jeremy Lee	Agric Extension Administration	Weiss,Jeremy Lee	Agric Extension Administration	National Mesonet Program	Synoptic Data PBC	\$19,460
Norton,Elbert R	Graham County Office	Norton,Elbert R	Graham County Office	Arizona Upland Cotton Advanced Strains Testing Program	Cotton, Incorporated	\$18,000
Weber,Jennifer Lynne	Maricopa County Office	Harrington,Kyle Gregory	Maricopa County Office	AZ Pesticide Safety Education Program	Extension Foundation	\$17,520
Lopez,Gerardo U	Animal&Biomedical Sciences	Rodriguez,Samantha Webb, Gigette Aja	Education - Dean's Office Maricopa County Office	Designing a Virtual Farming System with XR	National 4-H Council	\$16,000
Hunter,Kalee Crista	Pima County Office	Elliott-Engel,Jeremy Werkhoven,Caroline Renton	Agric Extension Administration Maricopa County Office	Department of Air Force 4-H Military Partnership Outreach and Support	Kansas State University	\$15,500

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Gornish,Elise	Sch of Natural Resources	Gornish,Elise	Sch of Nat Resource&Enviro-Res	Providing Targeted Outreach on Navajo Nation Lands of the Colorado Plateau to Wind Erosion Risk	United States Geological Survey	\$14,457
Evancho,Blase E	Pinal County Office	Evancho,Blase E	Pinal County Office	Mapping and Monitoring Herbicide Resistant Palmer Amaranth Populations in Cotton	Cotton, Incorporated	\$13,000
Norton,Elbert R	Graham County Office	Norton,Elbert R	Graham County Office	Cotton Incorporated-Cotton Specialists Partnership: Large-Plot Replicated Variety Evaluations - AZ	Cotton, Incorporated	\$10,500
Woolfolk,Channah M	Environmental Science-Res	Woolfolk,Channah M	Environmental Science-Res	Field Evaluation of Microfluidic Paper-Based Analytical Devices for Microbial Source Tracking	Purdue University	\$9,619
Arias,Juan M	Tribal Extension Programs	Teegerstrom,Trent	Agric Extension Administration	FY 2021 USDA Rural Business Development (RBDG) Program Nalwoodi Denzhone: Strength and Beauty Community	United States Department of Agriculture	\$8,920
Riggs,Michael W	Animal&Biomedical Sciences	Riggs,Michael W	Animal&Biomedical Sciences-Res	Pharmacokinetics Study of Test Compounds in Calves Exposed or not Exposed to C. Parvum	Scripps Research Institute	\$7,456
Norton,Elbert R	Graham County Office	Norton,Elbert R	Graham County Office	Beltwide Seed Quality - An Extension Cotton Specialist Project	Cotton, Incorporated	\$6,000
Flesch,Aaron D	Sch of Natural Resources	Flesch,Aaron D	Sch of Nat Resource&Enviro-Res	Ecology of Pygmy-Owls in the Sonoran Desert of Mexico: The BBC Americas Series	BBC Natural History And Factual Productions Limited (United Kingdom)	\$5,200
Pauli,William Duke	School of Plant Sciences	McCarthy,Fiona M	Animal&Biomedical Sciences-Res	Optimizing 3D Canopy Architecture for Better Crops	Purdue University	\$5,071
Gouge,Dawn H	Entomology	Gouge,Dawn H	Entomology-Res	Extension Collaboration in Support of School IPM - 2022	Oregon State University	\$3,500
Lauman,Sierra T'Tair	Sch of Natural Resources	Gornish,Elise	Sch of Nat Resource&Enviro-Res	The Role of Early Successional Plant Species in Hard Rock Mine Revegetation	T and E, Incorporated	\$3,000
Tabashnik,Bruce E	Entomology	Tabashnik,Bruce E	Entomology-Res	Acquisition of Goods and Services	Agricultural Research Service	\$936
Runyon II,Johnny Ray	Environmental Science-Res	Runyon II,Johnny Ray	Environmental Science-Res	Correlation of Sweat Pore Activity with Skin Conductance Response	Arizona State University	\$460
Runyon II,Johnny Ray	Environmental Science-Res	Runyon II,Johnny Ray	Environmental Science-Res	Discovery of Frailty Biomarkers in Human Eccrine Sweat	Arizona State University	\$460
Teske,Jennifer A	Nutritional Sci Wellness - RES	Teske,Jennifer A	Nutritional Sci Wellness - RES	Validating the Association Between Exposure to Noise Pollution and Sleep in Arizona	Arizona State University	\$460
TOTAL					\$	12,153,577

Quarterly ALVSCE New Awards by Co-Investigator
when Leading PI is not in ALVSCE
January 1 - March 31, 2022

Co-Investigator	Co-Investigator Unit	Lead Investigator	Leading Unit	Award Title	Sponsor	Total Anticipated Amount (Award)	Co-PI Award Amount
Buizer,James L	Sch of Nat Resource&Enviro-Res	Sternberg,Esther M	Andrew Weil Ctr Intgrtv Med	High Fidelity Patient Simulator Studies of Carbon Dioxide (CO2) Accumulation and Physiological Effects of Superhydrophilic Nanoparticle Material (CAMO = cysteic acid mineral oxide) in CAMO-treated Mas	Arizona Commerce Authority	\$ 394,497	\$ 19,725
Buizer,James L	Sch of Nat Resource&Enviro-Res	Sternberg,Esther M	Andrew Weil Ctr Intgrtv Med	Wearables Applied Research Center (Project 2: Human Cognitive Study)	Arizona Commerce Authority	\$ 499,020	\$ 24,951
Ikner,Luisa A	Environmental Science-Res	Sternberg,Esther M	Andrew Weil Ctr Intgrtv Med	High Fidelity Patient Simulator Studies of Carbon Dioxide (CO2) Accumulation and Physiological Effects of Superhydrophilic Nanoparticle Material (CAMO = cysteic acid mineral oxide) in CAMO-treated Mas	Arizona Commerce Authority	\$ 394,497	\$ 19,725
Runyon II,Johnny Ray	Environmental Science-Res	Sternberg,Esther M	Andrew Weil Ctr Intgrtv Med	Wearables Applied Research Center (Project 2: Human Cognitive Study)	Arizona Commerce Authority	\$ 499,020	\$ 24,951