

AWARD REPORT

August 2022

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Title	Sponsor Name
William Wilson	AES & EXT	AES Agribusiness & Applied Economics	David Bullock	\$140,000.00	Logistical Competition for Corn Export Shipments from the United States and Ukraine to Targeted International Markets	USDA Agricultural Marketing Service
William Wilson	AES & EXT	AES Agribusiness & Applied Economics		\$40,000.00	Marketing Consulting and Research Projects	ND Soybean Council
Kendall Swanson	AES & EXT	AES Animal Sciences		\$38,449.00	Acquisition of Goods and Services	USDA Agricultural Research Service
Ryan Buetow	AES & EXT	AES Dickinson Research / Extension Center		\$10,000.00	Effects of planting date and hybrid selection on damage by the red sunflower seed weevil	USDA Agricultural Research Service
Benjamin Geaumont	AES & EXT	AES Hettinger Research / Extension Center		\$74,297.00	Southwestern North Dakota Pheasant Initiative	ND Industrial Commission
Mohamed Khan	AES & EXT	AES Plant Pathology		\$74,400.00	New Technologies to Study Virus-Host Interactions to Identify Strategies for Sugarbeet Viral Disease Management	USDA Agricultural Research Service
Mohamed Khan	AES & EXT	AES Plant Pathology		\$95,000.00	Understanding and Characterization of Plant Pathogens Responsible for Damaging Sugarbeet Roots in Storage and Causing Quality Problems in the Factory Processing	USDA Agricultural Research Service
Mohamed Khan	AES & EXT	AES Plant Pathology		\$82,500.00	Effect of Cercospora Leaf Spot on Sugarbeet Root Storage	USDA Agricultural Research Service
Zhaohui Liu	AES & EXT	AES Plant Pathology		\$112,940.00	Characterization of Host-Range Defining Factors in Xanthomonas Translucens	USDA Agricultural Research Service
Julie Pasche	AES & EXT	AES Plant Pathology		\$22,680.00	Evaluate Two Formulations of S-2326 and Three Tank Mix Combinations for Control of Early Blight on Potato	Valent USA
Gary Secor	AES & EXT	AES Plant Pathology		\$203,995.00	New Strategies for Management of Cercospora Leaf Spot and Rhizomania Diseases of Sugarbeet	USDA Agricultural Research Service
Marisol Berti	AES & EXT	AES Plant Sciences	Barney Geddes	\$86,552.00	Evaluating Rotational Cropping Systems and their Impact on Soil Microbiota, Crop Yield and Ecosystem Benefits in Northern Agro-Ecosystems	USDA Agricultural Research Service
Marisol Berti	AES & EXT	AES Plant Sciences	Erik Hanson Abbey Wick	\$587,671.00	Establishing Alfalfa in Intercropping with Sunflower and Sorghum to Improve Alfalfa Yield and Profitability	USDA National Institute of Food & Agriculture
Richard Horsley	AES & EXT	AES Plant Sciences		\$77,440.00	Acquisition of Goods and Services	USDA Agricultural Research Service
Kalidas Shetty	AES & EXT	AES Plant Sciences	Dipayan Sarkar	\$211,624.84	Identifying the Molecular Mechanisms Controlling Wound-Healing Processes to Improve Postharvest Quality of Potato	USDA Agricultural Research Service
Asunta Thompson	AES & EXT	AES Plant Sciences		\$232,500.00	Refining Molecular Mechanisms that Control Potato Meristem Dormancy and Tuber Sprouting via Omics	USDA Agricultural Research Service
Asunta Thompson	AES & EXT	AES Plant Sciences	Julie Pasche Gary Secor	\$58,000.00	National Processing Trials and Clonal Evaluations	Potatoes USA
Christina Hargiss	AES & EXT	AES School of Natural Resource Sciences	Jack Norland	\$7,999.99	Develop and Test Conceptual Model Identifying Major Factors Affecting the Magnitude, Frequency and duration of Cyanobacteria Blooms on Des Lacs NWR, North Dakota	U.S. Fish and Wildlife Service
Daryl Ritchison	AES & EXT	AES School of Natural Resource Sciences		\$313,764.20	National Mesonet Program Prime Contract	NOAA / Synoptic Data Corp.

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PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Title	Sponsor Name
Darrell Ross	AES & EXT	AES School of Natural Resource Sciences		\$20,000.00	Evaluation of silver fly predators, <i>Leucopis argenticollis</i> and <i>Leucopis piniperda</i> , of <i>Adelges tsugae</i> in the Pacific Northwest, as biological controls in the eastern US	Forest Service
Audrey Kalil	AES & EXT	AES Williston Research / Extension Center	Nonoy Bandillo	\$95,106.00	Optimizing Nodulation in Chickpea for Enhanced Nitrogen Fixation	USDA Agricultural Research Service
Lynette Flage	AES & EXT	Extension Directors Office	Richard Horsley Carrie Johnson Jack Rasmussen Guillermo Scaglia	\$397,937.00	Joint Extension Positions with University of Minnesota	USDA NIFA / University of Minnesota
Julie Garden-Robinson	AES & EXT	Extension Food & Nutrition		\$2,500.00	2022 Eat Smart. Play Hard with DPI	ND Department of Public Instruction
Julie Garden-Robinson	AES & EXT	Extension Food & Nutrition		\$1,000.00	2022-23 Eat Smart. Play Hard with Wheat	ND Wheat Commission
Nicole Johnson	AES & EXT	Extension Food & Nutrition		\$135,221.00	National Diabetes Prevention Program	CDC / ND Department of Health
Joseph Ikley	AES & EXT	Extension Plant Sciences		\$30,000.00	Pigweed Awareness Coalition: Increasing Awareness and Risk of Palmer Amaranth and Waterhemp in ND	ND Soybean Council
Abbey Wick	AES & EXT	Extension School of Natural Resource Sciences		\$18,850.00	Extension for the SHARE Farm	ND Soybean Council
David Boehm	CAFSNR	Northern Crops Institute		\$14,851.00	Determination of size reduction and pelleting efficiency of U.S. reimported, Argentinian, and Brazilian Corn	ND Corn Utilization Council
Mark Jirik	CAFSNR	Northern Crops Institute		\$47,000.00	General Funding FY23	MN Department of Agriculture
Angela Smith	CAHSS	History, Philosophy & Religious Studies		\$7,100.00	Bonanzaville Graduate Assistantship Partnership FY 2023	Bonanzaville
Michael Strand	CAHSS	School of Design, Architecture & Art	Amanda Heidt Eric Sybertson	\$30,093.22	Tiny Press Kit / Creative Aging	NEA / ND Council on the Arts
Ying Huang	CENG	Civil & Environmental Engineering	Di Wu	\$1,499,628.00	RII Track-2 FEC: Artificial Intelligence on Sustainable Energy Infrastructure Network (AI SUSTEIN) and Beyond towards Industries of the Future	National Science Foundation
David Grewell	CENG	Industrial & Manufacturing Engineering	Alan Kallmeyer Chad Ulven Dean Webster	\$151,000.00	IUCRC Phase II at North Dakota State University: Center for Bioplastics and Biocomposites [CB2]	National Science Foundation
Jordi Estevadeordal	CENG	Mechanical Engineering		\$15,000.00	Experimental Investigation of Passive Control of Dynamic Stall Using Micro-Cavity Actuators	US Air Force / Ohio Aerospace Institute
Long Jiang	CENG	Mechanical Engineering		\$47,962.00	Development of soymeal-based baling twine with high digestibility	ND Soybean Council
Jessica Vold	CENG	Mechanical Engineering	Ali Amiri Yildirim B Suzen	\$49,999.00	M2M X-Hab Move that Goo!	NASA / National Space Grant Foundation
Mykell Barnacle	CHP	Nursing		\$15,133.00	ANE - Nurse Practitioner Residency Program	Health Resources and Services Administration
Sanku Mallik	CHP	Pharmaceutical Sciences	Megan Orr Sathish Venkatachalem	\$310,987.00	Echogenic polymersomes for triggered contents release	National Institutes of Health
Paul Carson	CHP	Public Health		\$130,000.00	North Dakota Increasing Immunization Rates Project	CDC / ND Department of Health
Edward Dochtermann	CSM	Biological Sciences		\$250,214.00	MCA: Estimating quantitative genetic parameters via SNP based relatedness	National Science Foundation

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Holland Galante	CSM	Biological Sciences	Tim Greives	\$1,000.00	Are melanistic plumage characteristics an honest signal of individual oxidative balance in the male house sparrow (<i>Passer domesticus</i>)?	Sigma Xi
Kendra Greenlee	CSM	Biological Sciences		\$135,728.00	Effects of stress on insect pollinators and pests	USDA Agricultural Research Service
Timothy Greives	CSM	Biological Sciences	Britt Heidinger Jennifer Momsen	\$2,896,763.00	RaMP: Exploration of variation across levels of organization in a CHANGEable world: Fostering CHANGE Through Research in a Community of Practice	National Science Foundation
Angela Hodgson	CSM	Biological Sciences	Jennifer Momsen	\$10,000.00	Exploring the Impacts of Alternative Grading on the Introductory Biology Ecosystem	The Biology Catalytic Grant Program
Tara Slominski	CSM	Biological Sciences		\$93,103.00	STEM Ed PRF: Reimagining Grading to Support Nontraditional and Rural Students in High Enrollment, Gateway STEM Courses	National Science Foundation
Tara Slominski	CSM	Biological Sciences		\$206,897.00	STEM Ed PRF: Reimagining Grading to Support Nontraditional and Rural Students in High Enrollment, Gateway STEM Courses	National Science Foundation
Svetlana Kilina	CSM	Chemistry and Biochemistry	Dmitri Kilin Bakhtiyor Rasulev Wenfang Sun	\$630,000.00	Data-Driven and Computationally Assisted Design of Near-Infrared Emissive Metal-Organic Complexes with Earth-Abundant Metals	Department of Energy
Sangita Sinha	CSM	Chemistry and Biochemistry		\$435,000.00	Molecular mechanism by which Epstein-Barr Virus-encoded BCL2 down-regulates BECN1-mediated autophagy	National Institutes of Health
Shane Stafslie	CSM	Coatings & Polymeric Materials	Achintya Bezbaruah	\$400,000.00	Gray Water Fouling Research - Task 2.1 and Task 2.2	Office of the Secretary of Defense / PPG Industries
Andriy Voronov	CSM	Coatings & Polymeric Materials		\$43,693.00	Biobased Pressure-Sensitive Adhesives for Multisubstrate Applications	ND Department of Agriculture
Dean Webster	CSM	Coatings & Polymeric Materials		\$19,901.00	Glycidyl Carbamate Resin Systems for Coatings	US Army / Elinor Specialty Coatings
Benjamin Balas	CSM	Psychology		\$156,978.00	RII Track-2 FED: The Visual Experience Database: A Large-Scale Point-of-View Video Database for Vision Research	NSF / Bates College
Susan Sell	GRAD	Graduate School		\$46,000.00	Graduate Research Fellowship Program	National Science Foundation
Thomas Claeys	Misc	North Dakota Forest Service		\$1,722,386.00	FY 2022 USDA Forest Service Consolidated Payments Grant	Forest Service
Thomas Claeys	Misc	North Dakota Forest Service	Lezlee Johnson	\$50,000.00	FY23 Turtle Mountain Forest Stewardship Aspen Regeneration Project	ND Game and Fish Department
Scott Norenberg	Misc	TRIO		\$503,470.00	Trio Student Support Services	Department of Education
Colleen Fitzgerald	Misc	VP for Research		\$399,850.00	NDSU's INBRE Subaward: Undergraduate Research	NIH / University of North Dakota
Dale Heglund	UGPTI	Upper Great Plains Transportation Institute	Timothy Horner Jill Hough	\$94,944.00	NDDOT Transit Provider Vehicle Facility Audit	FTA / ND Department of Transportation
Kshitij Sharma	UGPTI	Upper Great Plains Transportation Institute	Bradley Wentz	\$30,386.00	Signalized Intersections Traffic Data Collection Pilot Project	FHA / Bismarck-Mandan Metro Planning Organization
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$83,132.00	Grain Transportation Market Information Gathering and Containerized Ag Inquiry	USDA Agricultural Marketing Service
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$5,132.00	ND Grain Movement Database: Soybean Transportation	ND Soybean Council
Kimberly Vachal	UGPTI	Upper Great Plains Transportation Institute		\$37,200.00	Transportation Research, Grain Movement Database & Waybill Analysis	ND Wheat Commission