

AWARD REPORT

November 2022

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Project Title	Sponsor
Thomas Peters	AES & EXT	AES Plant Sciences		\$ 24,261	KWS Sugarbeet Weed Control Project	KWS Seeds, LLC
Todd West	AES & EXT	AES Plant Sciences		\$ 71,635	SCBGP: Evaluation of Woody Ornamental Shrubs for North Dakota	USDA-AMS /ND Department of Agriculture
Minwei Xu	AES & EXT	AES Plant Sciences		\$ 45,000	Development of Soybean Meal as Edible 3-D Printing Ink	MN Corn Research & Promotion Council
Minwei Xu	AES & EXT	AES Plant Sciences	David Boehm Changhui Yan	\$ 55,000	Increasing the Efficiency of Selecting High-Quality Soybeans for Tofu Processors and Breeders with Machine Learning	MN Corn Research & Promotion Council
Daryl Ritchison	AES & EXT	AES School of Natural Resource Sciences		\$ 75,809	National Mesonet Program Prime Contract	NOAA /Synoptic Data Corp.
Robert Bertsch	AES & EXT	Extension Agricultural Communication		\$ 52,999	Military Families Learning Network Initiative	USDA-NIFA /Auburn University
Kristin Harner	AES & EXT	Extension Agricultural Communication		\$ 18,500	2021-23 Ag Mags and Teacher Guides	ND Department of Agriculture
Meagan Hoffman	AES & EXT	Extension Center for 4-H Youth Development		\$ 135,602	Strengthening the Heartland: Promoting Life Readiness in Rural Youth	USDA-NIFA /South Dakota State University
Leigh Skurupey	AES & EXT	Extension Center for 4-H Youth Development		\$ 10,000	Professional Development Addressing the National 4-H Priority of Access, Equity, and Belonging	National Association of Extension 4-H Youth Development Professionals
Julie Garden-Robinson	AES & EXT	Extension Food & Nutrition		\$ 6,000	Ensuring Food Safety Competency of Produce Growers and Processors in the NCR Through Expanded Collaboration with Diversified Populations	USDA-NIFA /Iowa State University
Samuel Markell	AES & EXT	Extension Plant Pathology	Suzette Baldwin Sandesh Dangi Andrew Friskop Janet Knodel Dorah Mwangola	\$ 25,000	Great Plains Plant Diagnostic Network	USDA-NIFA /Kansas State University
Thomas Krumel	CAFSNR	Agribusiness and Applied Economics		\$ 4,136	Strategies for Economic Growth in Rural New England and Their Impact on Public-Health Crises	USDA-NIFA /University of Connecticut
Clairmont Clementson	CAFSNR	Agricultural & Biosystems Engineering		\$ 758	Extech Big Digit Hygro-Thermometer and Dickey John Handheld Grain Moisture Tester	ND Grain Dealers Educational Foundation
David Boehm	CAFSNR	Northern Crops Institute		\$ 14,850	Determination of size reduction and pelleting efficiency of U.S. reimported, Argentinian, and Brazilian Corn	MN Corn Research & Promotion Council
David Boehm	CAFSNR	Northern Crops Institute		\$ 32,992	Development of Soy-Fortified Gluten and Dairy-Free Bakery Products	MN Corn Research & Promotion Council
Shane Mueller	CAFSNR	Northern Crops Institute	Kim Koch	\$ 49,215	Rumen Function in Relation to Feeding Increased Levels of Soybean Meal in Lactating Dairy Cattle Diets	MN Corn Research & Promotion Council
Brian Sorenson	CAFSNR	Northern Crops Institute		\$ 7,500	2023 NCI INTSOY Course	MN Corn Research & Promotion Council
Nancy Hodur	CAHS	Center for Social Research		\$ 14,164	Economic Contribution of the Lignite Energy Industry in North Dakota	Lignite Energy Council

AWARD REPORT

November 2022

PI Name	PI College	PI Department	Co-PI(s)	Awarded Amount	Project Title	Sponsor
Surya Congress	CENG	Civil & Environmental Engineering		\$ 121,975	Best Practices to Monitor Public Facilities and Conduct 360 Inspection of Highway Bridges using Un-crewed Aerial Vehicles (UAVs)	Alaska Dept of Trans & Public Facilities
Zhibin Lin	CENG	Civil & Environmental Engineering	Hong Pan Xingyu Wang	\$ 1,000,000	Accelerating Transition towards Sustainable, Precise, Reliable Hydrogen Infrastructure (Super-H2): Holistic Risk Assessment, Mitigation Measures, and Decision Support Platforms	Pipeline and Hazardous Materials Safety
Alan Kallmeyer	CENG	Deans Office	David Grewell	\$ 2,000,000	NSF I-Corps Hub (Track 2): Great Plains Region	National Science Foundation
Omid Beik	CENG	Electrical & Computer Engineering		\$ 75,000	Regenerative Grid Simulator (RGS): An Equipment for Establishing A Power Engineering Teaching Laboratory	NDSU Foundation
Dean Gross	CHP	Nursing	Mykell Barnacle	\$ 24,850	Improving the skills, competencies, and resiliency of NDSU Students: A Proposal to the NDSU Impact Fund Grant	NDSU Foundation
Natasha Fillmore	CHP	Pharmaceutical Sciences	Sijo Mathew	\$ 42,361	Biomolecular imager to improve biological and translational research training for undergraduate and graduate students at NDSU	NDSU Foundation
Ang Guo	CHP	Pharmaceutical Sciences		\$ 72,500	Amyloid-like phase transition of Junctophilin-2 protein in heart aging	National Institutes of Health
Dan Cernusca	CHP	Pharmacy Practice		\$ 47,425	APEX: An Accelerated Pipeline to Graduate Excellence in Electrical and Computer Engineering	NSF /Missouri University of Science &Technology
Elizabeth Skoy	CHP	Pharmacy Practice		\$ 33,300	Improving the Health of Americans through Prevention and management of Diabetes and Heart Disease and Stroke Grant	CDC /ND Pharmacy Service Corporation
Ramona Danielson	CHP	Public Health		\$ 5,000	ND Pregnancy Risk Assessment Monitoring System (PRAMS), NDSU Analysis	DHHS /ND Department of Health
Ramona Danielson	CHP	Public Health		\$ 25,000	ND Pregnancy Risk Assessment Monitoring System (PRAMS), NDSU Analysis	DHHS /ND Department of Health
Kyle Hackney	CHSE	Health, Nutrition & Exercise Sciences		\$ 2,500	Graduate Service Assistant- Spring 2023- Austin Peterson	Concordia College
Julia Bowsher	CSM	Biological Sciences	Kendra Greenlee Angela Hodgson Jennifer Momsen	\$ 22,347	Collaborative Learning Center for Biological Sciences	NDSU Foundation
Jiha Kim	CSM	Biological Sciences		\$ 160,000	Perivascular re-investment to enhance treatment efficacy in Pancreatic Cancer.	NIH /University of North Dakota
John Wilkinson	CSM	Chemistry and Biochemistry		\$ 75,000	Improving cancer therapy through molecular targeting of apoptosis-inducing factor	NIH /University of North Dakota
Stephanie Day	CSM	Earth, Environmental, and Geospatial Sciences		\$ 20,140	GPS and UAVs for use across campus	NDSU Foundation
Susan Sell	GRAD	Graduate School		\$ 45,520	Grad Hub Technology Outfitting	NDSU Foundation