2nd Annual

University Research Week

April 13-14, 2026 | 8:30 A.M. – 5:30 P.M.
Muenster University Center

UNIVERSITY OF
SOUTH DAKOTA

INTRODUCTION

USD Research Week celebrates the breadth, depth, and impact of research and creative scholarship across the University of South Dakota. The first two days focus on faculty, staff, and departmental engagement through hands on training sessions, research showcases, and opportunities to highlight books, creative works, and applied scholarship. These events provide space for learning, reflection, and connection, helping our research community strengthen skills, share ideas, and build relationships that support excellence and integrity across the research enterprise. This year's Research Week also features a pre event student Hackathon in partnership with Wildfire Labs, bringing innovation, problem solving, and entrepreneurial energy to campus ahead of the formal kickoff.

Midweek, Research Week transitions into USD's long standing IdeaFest, where student creativity and discovery take center stage. On Wednesday and Thursday, students from across disciplines share their research, creative activity, and innovative projects, demonstrating the powerful role scholarship plays in education and workforce preparation. On Wednesday, USD will also formally recognize recipients of the President's Research Awards, celebrating outstanding faculty achievement in research and creative activity. We are honored to be joined for the awards ceremony by South Dakota Board of Regents member Randy Frederick, underscoring the importance of research and discovery to the university, the state, and the broader community. Together, Research Week and IdeaFest showcase how ideas move from curiosity to impact at USD.

Dan Engebretson, Ph.D.
Vice President for Research

SCHEDULE OF EVENTS
Monday, April 13

Research Security Training & Agency Updates
8:30 - 9:00 a.m. | MUC 216/216A

Research Security Update: Federal agencies continue to release updates to meet requirements under the CHIPS and Science Act and NSPM-33. This session will provide a brief overview of key requirements released over the past 12 months and what to expect in the year ahead.

Responsible Conduct of Research (RCR) Training
9:00 - 11:30 a.m. | MUC 216/216A

Comprehensive training covering core principles of responsible and ethical research practices.

Safety Training
11:30 a.m. - Noon | MUC 216/216A

HazCom: A concise review of OSHA's Hazard Communication Standard, including chemical labeling, Safety Data Sheets (SDS), exposure risks, and best practices for safe chemical use in research and teaching environments.

Lunch on your Own
Noon - 1:00 p.m.

Welcome to Research Week – Day 1 Kickoff
1:00 - 1:15 p.m. | MUC Pit

Opening remarks from Vice President for Research Dan Engebretson, Ph.D.

Research Week Showcase: Hackathon with Wildfire Ignite

1:15 - 2:00 p.m. | MUC Pit

As part of USD Research Week, join us for the Hackathon Showcase in partnership with Wildfire Ignite. The top three teams will present their final five-minute pitches following an intensive weekend of innovation and collaboration.

Celebrate bold ideas, creative problem-solving, and entrepreneurial energy as prize checks are awarded live to the winning teams.

Students, or guinea pigs? Why are professors allowed to recruit students to be in research studies?

2:00 - 2:30 p.m. | MUC Pit

An overview of the research involving human participants.

AI Teaching Innovation Showcase

2:30 - 4:30 p.m. | MUC Pit

Held in collaboration with school and college deans and the Center for Teaching and Learning, this event highlights creative, ethical, and impactful uses of AI to enhance student learning across disciplines.

Faculty presenters will share brief spotlights on their AI-enhanced teaching practices—demonstrating tools, describing student experiences, and illustrating how AI supports course learning objectives.

Attendees will gain practical ideas, inspiration, and insight into responsible AI use in the classroom.

Faculty - Student Meet and Greet

4:30 - 5:30 p.m. | MUC Pit

Explore faculty research across disciplines, learn how to get involved in undergrad research, connect with faculty outside the classroom, and meet other students interested in research. Refreshments served.

SCHEDULE OF EVENTS
Tuesday, April 14

Research Security Training & Agency Updates
8:30 - 9:00 a.m. | MUC 216/216A

Research Security Update: Federal agencies continue to release updates to meet requirements under the CHIPS and Science Act and NSPM-33. This session will provide a brief overview of key requirements released over the past 12 months and what to expect in the year ahead.

Responsible Conduct of Research (RCR) Training
9:00 - 11:30 a.m. | MUC 216/216A

Comprehensive training covering core principles of responsible and ethical research practices.

Safety Training
11:30 a.m. - Noon | MUC 216/216A

HazCom: A concise review of OSHA's Hazard Communication Standard, including chemical labeling, Safety Data Sheets (SDS), exposure risks, and best practices for safe chemical use in research and teaching environments.

Lunch on your Own
Noon - 1:00 p.m.

Keynote Speaker Dr. Mo
12:30 - 1:30 p.m. | MUC Pit

From Curiosity to Impact: A Journey in Addiction Research

Celebration of Books
1:30 - 2:30 p.m. | MUC Pit

Join us as we recognize University of South Dakota faculty who have published a book or produced a major creative work. This special Research Week event celebrates authored and co-authored books, edited volumes, translations, and significant creative achievements across disciplines. Come celebrate the scholarship, creativity, and impact of our faculty community. Refreshments will be served.

OT/PT Live Demonstration

2:30 - 3:30 p.m. | MUC Pit

Participants will gain hands-on experience with occupational therapy assessments that explore cognition and emotion in individuals with neurological and mental health conditions, learning how these tools inform daily function and research. The session also features a physical therapy component where attendees interact with an AI-simulated patient to practice clinical interviewing, identify potential red flags, and reflect on clinical reasoning in a safe, guided environment, building both confidence and practical skills.

Lifeboat Lecture

3:30 - 4:15 p.m. | MUC Pit

There is a sinking ship with one spot left on the metaphorical lifeboat. Come watch your favorite professors debate why their discipline deserves the last spot.

Awards Ceremony

4:15 - 5:00 p.m. | MUC Pit

Join us as we celebrate individuals demonstrating excellence in research. During this ceremony, we will announce the recipients of the IdeaFest Champion of the Year, ORSP Innovator of the Year, Outstanding Faculty Research Mentor Award, EHS Lab Safety Award, and the winner of the Art in Science Competition.

OUTSTANDING RESEARCH MENTOR NOMINEES

- Allison Naber
- Bartlomiej Hanus
- Bernard Ming Wone
- Brian Burrell
- Catalin Georgescu
- Christopher Anderson
- Chaoyang Jiang
- Elizabeth Hanson
- Erin Wohletz
- Etienne Gnimpieba
- George Schoendorff
- Indra Chandrasekar
- Jake Kraft
- James D Hoefelmeyer
- Joe Kantenbacher
- KC Santosh
- Kory Zimney
- Lauren Freese
- Lina Chato
- Matthew Fairholm
- Molly Rozum
- Morgan Swanson
- Nick Wilson
- Omera Matoo
- Raimondo Genna
- Rand Wergin
- Ranjeet John
- Shana Cerny
- Taylor Bosch
- William Chen
- Xuejun Wang

EHS LAB SAFETY NOMINEES

Chaussee Lab
Michael Chaussee
Biomedical and Translational Sciences

Campbell Lab
Grant Campbell
Biomedical and Translational Sciences

Baugh Lab
Lee Baugh
Biomedical and Translational Sciences

Soderling Lab
Taylor Soderling
Biomedical and Translational Sciences

Wang Lab
Rick Wang
Chemistry

Mei Lab
Dongming Mei
Physics

Wone Lab
Bernard Wone
Biology

Gnimpieba Lab
Etienne Gnimpieba
Biomedical Engineering

FROM CURIOSITY TO IMPACT:
Innovation & Intellectual Property

As ideas move from curiosity to impact, many evolve into tangible innovations. The following section highlights invention disclosures, patent applications, and granted patents that reflect USD's growing research impact and commitment to advancing discovery beyond the university.

Invention Disclosures

"Selective enzyme- or pH-triggered drug release by surface modified calcium-based particles"
Inventors: Grigoriy Sereda, Khosrow Rezvani

"Doppler-resolved Compton-profile imaging with external gamma rays and a High-GE strip detector"
Inventor: Dongming Mei

"Identifying dysarthria type with machine learning"
Inventor: Elizabeth Hanson

"USD VPAT Evaluator"
Inventor: Angela Jackson

"Software tools for clinical spatial hearing and localization testing"
Inventor: Coral Dirks

"Accelerated brain aging in late onset Alzheimer's Disease"
Inventors: Samuel Sathyanesan, Monica Sathyanesan, Jayan Sadanandan

"HF responder: An EMR-integrated, interpretable clinical decision-support framework for heart failure care prioritization"
Inventor: Ram Aryal

"Low-power, reduced-wiring germanium spin-qubit architecture using phononic links"
Inventor: Dongming Mei

"AI-CARE: Carbon-aware reporting evaluation metric for AI models"
Inventors: KC Santosh, Rodrigue Rizk, Srikanth Baride

"A method for incorporating metal-organic supercontainers into porous polymer substrates"
Inventors: Rick Wang, Kriti Chitrakar

Patent Applications

U.S. Patent Application 63/997,440: A Method for Incorporating Metal-Organic Supercontainers into Porous Polymer Substrates
Inventors: Rick Wang, Kriti Chitrakar, William Phillip, Redemption Edegbe

U.S. Patent Application 63/815,962: Synthetic Plant Episomes and Methods of Use
Inventor: Ming Wone

Granted Patents

U.S. Patent No. 12,545,804: Biocidal Polymer For Long-Term Surface Protection
Inventors: Daisy Deng, Victor Huber, Sahaboddin Saeedi

Governor's Giant Vision USD Finalists

Student Competition
Fidelis Vascular: Avery Del Grosso, Second Place
Denti Map: Dipika Ranabhat
Elevaze: Shivansh Rastogi, Raymond Travnicek
Open Competition
Dakota Motion Labs: Lisa MacFadden, Ryan Rykhus
Oncoplant Therapeutics: Grigoriy Sereda, Khosrow Rezvani

FY25 AWARDS

Amy Lynn Nelson
SD Association of Healthcare Organizations
SDAHO Network Contract
$15,066

Amy Lynn Nelson
SD Department of Health
Scrub Camps-3
$8,400

Amy Scepaniak
U.S. Department of Education
South Dakota Deaf-Blind Project
$108,622

Amy Schweinle
SD Department of Education
Literacy Contract between SDBOR and DOE – Campus Guideline
$360,610

Anne Kleinhesselink
Health Resources and Service Administration
HRSA - Registered Nurse Training Program
$332,485

Anthony Krus
Outside of Deadwood Grant Program
2025 Archaeological Excavations of Laundress Housing at Old Fort Meade, Sturgis, SD
$6,260

Benjamin Severson
SD Department of Social Services
Vermillion Prevention Coalition (VPC)
$42,928

Beth Boyd
Avera McKennan Behavioral Health
Clinical Psychology Contracts
$14,805

Beth Boyd
Siouxland Mental Health Center
Clinical Psychology Contracts
$16,547

Betty Hulse
SD Community Foundation
RealizedCare
$18,395

Bonita Manger
Administration for Children & Families
Head Start and Early Head Start
$3,188,712

Brennan Lee Thompson
Substance Abuse and Mental Health Resources - SAMHSA
System and Community Interventions to Prevent Incarceration and Reduce Stigma (SCIPIRS)
$400,000

Brian Burrell
National Institutes of Health
G-RISE at University of South Dakota
$9,998

Brian Burrell
National Science Foundation
Dual Effects of Endocannabinoid Modulation in Nociception
$750,000

Bridget Diamond-Welch
SD Network Against Family Violence and Sexual Assault
Enhancing Trauma-Informed Services for Native American Victims of Violence
$25,000

Bridget Diamond-Welch
SD Network Against Family Violence and Sexual Assault
HHS ARP
$27,663

Caitlyn Lint
Academy of General Dentistry
Oral Cancer Screening Equipment
$3,990

Carolyn Gilbertson
Health Resources and Service Administration
SD Area Health Education Centers
$571,544

Chaoyang Jiang
National Science Foundation
Collaborative Research: C3: Collaboration to Combat Crime- An Interdisciplinary Approach
$139,546

Chaoyang Jiang
South Dakota School of Mines Technology
Center for Understanding and Disrupting the Illicit Economy
$205,297

Chelsi Marolf
American Ornithological Society
Epigeneic mechanisms of phenotypic flexibility in small birds in response to stable and variable cold temperatures
$4,000

Christina Young
American Heart Association
Paid Family Leave Awareness Campaign
$28,000

Christina Young
SD Department of Social Services
Family Input Workgroup
$49,648

Christina Young
The Center for Justice Innocation, Inc.
OVC Support Materials
$9,983

Coral Dirks
Continuum Educational Technologies, PBC
STARTUP Central Proof of Concept Proposal
$25,000

Corolla Lauck
Health Resources and Service Administration
Emergency Medical Services for Children
$190,650

Corolla Lauck
SD Department of Highway Safety
SD EMSC Bike Safety
$114,020

Corolla Lauck
SD Department of Highway Safety
SDEMSC- Occupant Safety Grant
$164,483

Corolla Lauck
SD Department of Public Safety
Impaired Driving Prevention
$90,269

Daniel Mourlam
Black Hills Special Services Cooperative
Enhancing Teacher Job Satisfaction in Rural K-12 Education: Assessing the Impact of Large Language Models (LLMs)
$25,523

Daniel Soluk
Environmental Resources Management
HMS Cage growth study 2025
$87,130

Daniel Soluk
U.S. Fish & Wildlife Service
Hine's emerald dragonfly captive rearing support
$65,000

Darla Biel
Health Resources and Service Administration
HRSA Early Childhood Comprehensive Systems
$255,449

David Swanson
Missouri National Recreational River
Natural and Experimental Studies of Settlement of Zebra Mussels on Suspended substrates in the Missouri River
$69,097

Dawna Mayer
United Way of Vermillion
United Way Grant - Ongoing support for parents in financial need
$11,000

Debra Robertson
SD Department of Social Services
Treatment Funding Request
$18,000

DenYelle Baete Kenyon
American Psychiatric Association
Kenyon Helping Hands
$5,000

DenYelle Baete Kenyon
Delta Dental Foundation
Healthcare Careers Summer Camp funding from Delta Dental
$15,000

DenYelle Baete Kenyon
SD Department of Health
South Dakota Violent Death Reporting System (SDVDRS) Evaluation
$8,000

Dongming Mei
National Science Foundation
Collaborative Research: E-RISE RII: Germanium-based Science and Technology Advancement Research
$1,562,289

Dongming Mei
National Science Foundation
Conference: Workshop for Artificial Intelligence-powered Materials Discovery at Grant Plains
$199,280

Dongming Mei
U.S. Department of Energy
Demonstration of Home-Grown Crystals for Future SuperCDMS Experiment (DHGC-FSE)
$564,300

Ed Gerrish
SD Department of Labor
Reemployment Services and Eligibility Assessment (RESEA) Program
$33,000

Emily Meier
Arizona State University
VCU Rehab Research &Training Center Proposal
$52,609

Emily Meier
AZ Dept of Health Services
VCU Rehab Research &Training Center Proposal
$15,450

Emily Meier
SD Department of Human Services
Autism Spectrum Disorders
$112,500

Eric Kurtz
Administration on Developmental Disabilities
South Dakota University Center for Excellence in Developmental Disabilities
$620,675

Eric Kurtz
Health Resources and Service Administration
Leadership Education in Neurodevelopmental Disabilities (SD LEND)
$450,597

Eric Kurtz
Health Resources and Service Administration
SD Pediatric Mental Health Care Access Program
$1,068,311

Eric Kurtz
SD Council on Developmental Disabilities
South Dakota Developmental Disabilities Conference
$65,858

Eric Kurtz
SD Department of Human Services
South Dakota Brain Injury Community of Practice
$47,907

Eric Kurtz
U.S. Department of Health & Human Services
MCHC/Research Initiatives for Student Enhancement-Undergraduate Program (KKI RISE-UP)
$41,877

Erin Srstka
Substance Abuse and Mental Health Resources - SAMHSA
PCCS-U South Dakota
$245,000

Etienne Gnimpieba Zohim
South Dakota School of Mines Technology
Collaborative Research: RII Track-2 FEC: AQUA-CLIME: Advancing Quality and Climate-Resilient Water Management with Community Partnerships and Enhanced Sensor Network
$45,935

Etienne Gnimpieba Zohim
South Dakota State University
Collaborative Research: E-RISE RII: BioNitrogen Economy Research Center
$564,777

Gabrielle Strouse
Lafayette College
Using structured video chat to improve relationships between young children and remote grandparents
$57,006

Grant R Campbell

National Institutes of Health

Targeting HIV Myeloid Reservoirs in the CNS by IAP and TREM1 Inhibition PA-21-268 RFA-MH-20-701

$317,688

Haifa Abou Samra

Health Resources and Service Administration

(CPF/CDS): Facilities and/or Equipment Projects

$1,100,000

Haoran Sun

South Dakota School of Mines Technology

High Energy Density, Long-Lasting Cycle Life and Scalable Lithium-Sulfur Batteries for NASA Space Missions

$67,846

Haoran Sun

University of Kansas

Center: NSF Engineering Research Center for Environmentally Applied Refrigerant Technology Hub (EARTH)

$987,959

Hong Zheng

University of Nebraska Medical Center

Novel target mechanism (renal nerves) for the beneficial actions of SGLT2 inhibition in congestive heart failure

$169,810

Jakob Etrheim

University of North Dakota

Implement Geriatrics Education and Age Friendly Health Care

$42,972

Jamie Bushman

University of North Dakota

UND TRANSCEND

$32,708

Jamie Bushman

University of North Dakota

UND TRANSCEND - Data Management Core

$110,983

Jean Caraway

Health Resources and Service Administration

University of South Dakota Graduate Psychology Education Program (USD-GPEP)

$914,021

Jeffrey Liu

University of Arizona

Regional Culture and Digital Humanities & Humanities and Wellness

$30,000

Jeffrey Simons

Boston University

Alcohol and Heat of the Moment Sexual Decision Making among MSM: Identifying Mechanisms of Sexual Risk and Promoting Behavior Change Through Brief Intervention

$117,600

Jim Warne

SD Department of Human Services

Advocacy and Leadership Training for Native Americans With Disabilities

$90,000

Jing Liu

National Science Foundation

Collaborative Research: Construction and Deployment of a Cryogenic, Undoped CsI Scintillator at the Spallation Neutron Source within the COHERENT Experiment

$158,702

Jing Liu
University of Notre Dame
QuarkNet Center @ University of South Dakota
$1,920

Jing Williams
Academy of Korean Studies
Teaching Difficult History: Integrating Human Rights Education in Teaching the U.S. Military Camptown History in South Korea
$7,100

Joel Sander
SLAC National Accelerator Laboratory
SuperCDMS SNOLAB Installation and Integration support
$41,820

Joel Sander
U.S. Department of Energy
Direct Detection of Dark Matter at the University of South Dakota
$240,000

Jon Lauck
National Endowment for the Humanities
Lost Region Recovery Project
$30,000

Jonathan Wallner
SD Division of Rehabilitation Services
2025 Summer Pre-Employment Transition Services Initiative Proposal
$55,228

Jose Pietri
Indiana University - Purdue University Indianapolis
Assessing the risk of emerging infectious disease transmission by bed bugs
$31,354

Jose Pietri
Indiana University - Purdue University Indianapolis
Biological vector borne transmission of Salmonella by cockroaches
$58,397

Karen Hebert
Seton Hall
Comprehensive Monitoring of Cognitive, Sleep, Emotional, and Speech Indicators in Concussion Recovery
$9,893

Kari Oyen
SD Department of Social Services
School Crisis Response
$225,000

Kari Oyen
U.S. Department of Education
SD Mental Health Service Professional Demonstration
$696,119

Katherine Aby
National Institutes of Health
The role of proBDNF-p75NTR signaling in hind limb ischemia.
$360

Kelly Bass
Health Resources and Service Administration
HRSA Compass
$529,997

Kendra Gottsleben
SD Council on Developmental Disabilities
DD Council
$23,000

Khosrow Rezvani

Colorectal Cancer Alliance

Nanoparticle-Based Targeted Delivery and Release of Veratridine: A Novel Strategy for Suppressing mTORC2 Signaling Pathway and Mitochondrial Metabolism in Colorectal Cancer.

$200,000

Khosrow Rezvani

Continuum Educational Technologies, PBC

Therapeutic response of patient-derived organoids to nanoparticle-assisted devliery of Veratridine: an anit-metastic molecule

$25,000

Khosrow Rezvani

National Institutes of Health

SMART nanoparticle delivery of veratridine overcomes clinical challenges in metastatic colorectal cancer.

$74,750

Khosrow Rezvani

South Dakota State University

9.3 Rezvani SDSU

$100,000

Kory Zimney

SD Arts Council

Health, Healing, and the Arts - School of Health Sciences mural

$2,500

Lee Baugh

Sanford Research/USD

Center for Biobehavioral Mechanisms of Eating Behavior

$23,515

Lindsey Jorgensen

Sioux Empire United Way

USD Scottish Rite Children's Clinic- United Way Support

$328,800

Lindsey Jorgensen

United Way of Vermillion

2026 United Way of Vermillion Application for Funding

$2,000

Lindsey Peterson

Mississippi State University

Civil War & Reconstruction Governors of Mississippi Digital Documentary Edition (NHRPC Award PE-103580)

$54,000

Lindsey Peterson

National Council of History Education

Brine & Blood: Gamifying History Education Using Primary Source Archives

$25,000

Lindsey Peterson

National Endowment for the Humanities

SubjectSpotter: Automation & Subject Tagging Historical Texts

$150,000

Lisa MacFadden

Continuum Educational Technologies, PBC

Markerless Motion Capture Hardware for Integration into Compact Spaces for Clinical Movement Assessments

$25,000

Luye Qin

Sanford Health

The role of KMT2C in autism spectrum disorder

$50,000

Madison Harrington
SD Department of Highway Safety
Safe Rides 2024
$36,036

Mandie Weinandt
Dakota Gold Corp
9.20 Weinandt Dakota Gold
$17,020

Marcella Hurley
Defense Logistics Agency
Agreement for the establishment of an APEX Accelerator
$48,880

Marion Bluearm
U.S. Department of Education
Talent Search Services to South Dakota Schools with Outstanding Need Sioux Falls
$576,940

Marion Bluearm
U.S. Department of Education
USD Talent Search
$560,211

Mark Dixon
University of Georgia
Leveraging Earth Observation for Ecosystem Service Accounting in Large-scale Levee Setback Decisions
$47,667

Mark Slade
Startup Sioux Falls
SBA Community Navigator Pilot Project
$50,132

Mark Slade
U.S. Small Business Administration
South Dakota Small Business Development Center
$171,111

Mark Sweeney
National Science Foundation
Collaborative Research: Assessing current and future dust flux from the Northern Great Plains, U.S. with extreme climate variability and insights from the 1930s Dust Bowl drought
$377,096

Mark Sweeney
University of Utah
COLLABORATIVE RESEARCH: NETWORK CLUSTER: DUST IN THE CRITICAL ZONE FROM THE GREAT BASIN TO THE ROCKY MOUNTAINS
$19,492

Meghann Jarchow
National Science Foundation
Tribal Community Resilience Under Climate Change: Harnessing Controlled Environment Agriculture to Secure Sustainability and Economic Growth
$447,193

Natalie Lecy
Monument Health
12.13 Lecy Medical Respite Contract
$156,858

Nathaniel Steinlicht
Tripp County South Dakota
Tripp County EMS Evaluation 2024-2026
$80,000

Omera Matoo

National Science Foundation

MRI Track 1: Acquisition of NextGen-O2k all-in-one System for Multidisciplinary Research and Education at The University of South Dakota

$186,930

Patti Berg-Poppe

U.S. Department of Education

Program for Advancing Childhood Early Intervention (PACE) Scholars Program

$250,000

Ranjeet John

South Dakota School of Mines Technology

Multi-sensor changes detection of 2024 flood extent and effects on agroecosystems and riparian ecosystems in Eastern South Dakota

$37,500

Richard Braunstein

Rapid City Police Department

2025 Rapid City CVIPI Evaluation Project

$35,000

Robert Morecraft

University of California, San Francisco

Modulating Low-Frequency Cortical Population Dynamics to Augment Motor Function After Stroke

$103,623

Robin Wiebers

SD Department of Education

Mentoring new teachers

$21,563

Russell Wilke

Sanford Health

ADOPT-PGx (A Depression and Opioid Pragmatic Trial for Pharmacogenetics) Randomized Trial of gene-based dosing versus usual care for two drug classes:- antidepressants (outpatient)- opioid analgesics (inpatient)Trial will be run by IGNITE research

$36,148

Ryan Groeneweg

Health Resources and Service Administration

South Dakota Behavior Analyst Network

$100,000

Samuel Sathyanesan

Continuum Educational Technologies, PBC

Role of sugars in neurotrophic factor drug efficacy

$25,000

Samuel Sathyanesan

Texas Tech University

FOXOs in ischemic stroke

$13,083

Shauna Rich Jacobson

Health Resources and Service Administration

USD SRNA Scholars Program

$7,481

Shelby Jepperson

Health Resources and Service Administration

Early Hearing Detection and Intervention State/Territory Program

$310,000

Soon Hee Roh
National Institutes of Health
4.5 Roh R01 Cervical Cancer app
$300,374

Soon Hee Roh
University of Louisville
Beliefs about Dementia and the Role of Culture among American Indian Families
$16,404

Steven Wu
SD Board of Regents
Persistent Luminescent Silicon Quantum Dots for Cellular Imaging
$90,000

Susan Gray
SD Arts Council
Rawlins Piano Trio Touring Arts Grant
$3,000

Susan Puumala
SD Department of Health
Blood Lead Surveillance
$134,363

Susan Puumala
SD Department of Health
Overdose Date to Action (OD2A) Centers for Disease Control and Prevention (CDC) Cooperative Agreement
$203,496

Susan Puumala
SD Department of Health
Public Health Structure Analysis
$36,079

Tamara Keefner
Matson Halverson Christiansen Hamilton Foundation
Global Rural Nursing Virtual Collaboration Learning Grant
$5,000

Tasha Wendel
American Dental Hygienists' Association
USD Mobile Dental
$10,000

Varun Vaidya
U.S. Department of Energy
UNDERSTANDING HOT AND COLD NUCLEAR MATTER WITH EFFECTIVE FIELD THEORIES
$400,000

Victor Huber
National Institutes of Health
Cloud Phylogeny- Learning phylogenetic tree design and analysis with application
$103,881

Victor Huber
National Institutes of Health
South Dakota Biomedical Research Infrastructure Network
$3,731,412

William Mayhan
U.S. Department of Education
South Dakota Biomedical Computation Collaborative (SDBCC)
$6,500,000

Xuejun Wang
National Institutes of Health
Cardiac Pathophysiology of Proteasome Phosphoregulation
$698,466

FY25 PROPOSALS

Amy Schweinle
SD Board of Regents
Literacy Contract between SDBOR and DOE
$1,942,164

Anne Kleinhesselink
Health Resources and Service Administration
SD WEP (Tentative)
$3,999,999

Anthony Krus
Outside of Deadwood Grant Program
2025 Archaeological Excavations of Laundress Housing at Old Fort Meade, Sturgis, SD
$6,260

Arun Singh
National Institutes of Health
Cerebellar insights into Parkinson's disease: A multi-model approach to unveil gait dysfunction mechanisms
$3,614,945

Arun Singh
National Institutes of Health
Neural Correlates and Closed-Loop rTMS in PTSD-Related Cognitive Impairment
$403,948

Arun Singh
SD Board of Regents
Mid-cerebellar dynamics in Parkinson's postural instability
$90,000

Arun Singh
U.S. Department of Defense
Enhancing gait function in Parkinson's disease: determining the impact of resistance training and cortical stimulation on neural mechanisms
$1,249,984

Bernard Wone
U.S. Department of Energy
A Systems Understanding of the Regulatory Genome Underpinning Abiotic Stress Response and Productivity in Poplar
$7,625,008

Bernard Wone
U.S. Department of Energy
LANDOMICS: Determining Fine-Scale Mechanistic Functions and Large-Scale Processes and Patterns of Plant Function, Diversity, Resiliency, and Vulnerability Using LANDscape OMICS

Bob Welch
National Collegiate Honors Council
Learning to Fail: Using Knitting to Teach Perseverance in the Honors Classroom
$262

Bonita Manger
Administration for Community Living
2025-2026 Head Start
$3,188,712

Bridget Diamond-Welch
Community Action for Veterans
Wellbridge Formative Evaluation
$42,258

Bridget Diamond-Welch
Doris Duke Charitable Foundation
Rural Child Health Research Summit: Connecting Practice, People, and Possibilities
$118,664

Bridget Diamond-Welch
National Institute of Justice
TBRI for Juvenile Justice
$1,303,670

Bridget Diamond-Welch
SD Network Against Family Violence and Sexual Assault
HHS ARP
$27,654

Bryant Jackson
SD Department Of Homeland Security
South Dakota State Homeland Security Grant
$23,065.51

Caitlyn Lint
Academy of General Dentistry
Oral Cancer Screening Equipment
$3,990

Carol Voss Ward
U.S. Department of Education
FY25 TRIO SSS
$1,361,820

Cheryl Fischbach
SD Association of Healthcare Organizations: SDAHO
SDAHO Contract on Palliative Care
$3,500

Christina Young
American Fundraising Foundation
Golden Pear Grant Application 2024

Christina Young
SD Department of Health
Children's Well-Being Data Initiative
$228,927

Christina Young
SD Department of Social Services
DSS Fatherhood Symposium
$47,032

Christina Young
SD Department of Social Services
DSS Foster Care & Kinship Licensing
$14,497,109

Christina Young
SD Department of Social Services
DSS Juvenile Justice Engagement & Project Management
$177,059

Christina Young
SD Department of Social Services
DSS Professional Service

Christina Young
SD Department of Social Services
DSS Workload Capacity Study
$50,087

Christina Young
SD Department of Social Services
Family Input Workgroup
$49,648

Christina Young
SD Department of Social Services
Women's Prison Focus Groups
$28,738

Christina Young
U.S. Department of Justice
CAASt - Post-Secondary Education Opportunities for Child Protection Professionals
$400,000

Christopher Anderson
National Science Foundation
Equipment: MRI: Track 1 Acquisition of Environmental Rooms for Research and Education at the University of South Dakota
$845,281

Coral Dirks
Continuum Educational Technologies, PBC
STARTUP Central Proof of Concept Proposal
$25,000

Coral Dirks
National Science Foundation
EPSCoR Research Fellows: NSF: Advancing Spatial Hearing Research: Comparing Compact and Traditional Speaker Arrays
$299,953

Corolla Lauck
SD Department of Health
2024 REGIONAL SERVICES DESIGNATION GRANT APPLIATION
$63,263

Corolla Lauck
SD Department of Highway Safety
Impairment (SD Department of Highway Safety)
$63,316

Corolla Lauck
SD Department of Public Safety
Don't Thump Your Melon | Wear A Helmet
$106,428

Corolla Lauck
SD Department of Public Safety
Seat Belt Safety
$152,418

Cory Knedler
National Endowment for the Arts
Oscar Howe Summer Art Institute
$50,000

Dan Engebretson
U.S. Small Business Administration
2025 Growth Accelerator Fund Competition
$75,000

Daniel Mourlam
Black Hills Special Services Cooperative
Compass: Partners in Learning (Compass
$25,523

Darla Biel
American Heart Association
Paid Family Leave Awareness Campaign

Darla Biel
Centers for Medicare and Medicaid Services
Connecting SD Kids to Coverage
$2,777,793

Darla Biel
FRAC Food Research & Action Center
WIC-Community Innovation and Outreach Project 2 (WIC-CIAO 2)
$1,000,000

Darla Biel
Rocky Mountain Public Health Training Center
Child & Adult Advocacy Studies Training (CAASt) for Rural and Tribal Community Members to Prevent and Response to Child Abuse
$20,000

David Swanson
National Science Foundation
EPScor CREST
$7,500,000

Dawna Mayer
United Way of Vermillion
United Way Grant
$13,000

Dawna Mayer
Vermillion Area Community Foundation
VACF – USD Vucurevich Children's Center 2025
$4,084

Debesh Jha
National Institutes of Health
Rapid AI Driven Video Capsule Endoscopy Suite
$3,811,866

DenYelle Baete Kenyon
Delta Dental Foundation
USD SSOM Healthcare Careers Summer Camp
$45,000

Dongming Mei
University of North Carolina at Chapel Hill
Research Infrastructure: LEGEND-NSF Construction Proposal
$691,802

Doojin Kim
NATO Science for Peace and Security Programme
Advancing International Security and Fundamental Science with Quantum Initiatives
$59,400

Doojin Kim
SD Board of Regents
Exploring MeV-Scale New Physics with Charged Mesons
$85,189

Doojin Kim
U.S. Department of Energy
MeV-Scale Physics Opportunites at Neutrino Facilities
$654,153

Doojin Kim
U.S. Department of Energy
Versatile eV-Resolution and eV-Threshold STJ Sensors as a New Frontier in HEP
$268,175

Doojin Kim
University of Texas at Arlington
The Little DAMSA Path-Finder, a Proof-of-concept for an Innovative Dark Sector Particle Search and Discovery Experiment
$246,036

Duncan Barlow
SD Humanities Council
Vermillion Writing and Literature Conference at the University of South Dakota: Boundaries: Preserving and Creating Space
$9,732

Ed Gerrish
SD Department of Labor
Reemployment Services and Eligibility Assessment (RESEA) Program
$33,000

Eduardo Callegari

National Science Foundation

Collaborative Research: E-CORE RII: Multi-Institutional and -Disciplinary Integration to Strengthen the Bioprocessing Research Ecosystem in South Dakota (MIDI-BREc)

$407,435

Eric Kurtz

SD Council on Developmental Disabilities

2025 South Dakota Developmental Disabilities Conference

$65,858

Erin Srstka

Avera McKennan

FY24 Field Initiated: Encouraging Innovation

$199,497

Erin Srstka

SD Department of Health

Dakota Responder Grant

$291,049

Etienne Gnimpieba Zohim

Dakota Wesleyan University

Real-Time Metabarcoding and Physicochemical Monitoring of a Newly Constructed Riparian Wetland to Assess Nutrient Mitigation Potential

$18,016

Etienne Gnimpieba Zohim

National Institutes of Health

Patient specific biomarker panel prediction and assessment using 3D cell-microbiome TME OMICS signature

$521,427

Etienne Gnimpieba Zohim

National Science Foundation

FEC: Building AI-Driven Material-OMICs Testbed Infrastructure for Managing Antibiotic Resistance in Built Water Systems(Bio-ARMOR)

$5,999,999

Etienne Gnimpieba Zohim

South Dakota School of Mines Technology

NRT-URoL: Pathways for Graduate Training in Data- Driven Decision Tools for Materials Discovery and Bioengineering Innovation (DDMD-Pathways)

$998,691

Etienne Gnimpieba Zohim

South Dakota School of Mines Technology

NSF R2I2: Northern Great Plain Digital Twin Center for Water Resource Management (NGP-DTC)

$28,000

Etienne Gnimpieba Zohim

U.S. Department of Energy

AI/ML-Powered Convergence Research Training in Biological Systems Science

$2,249,593

Etienne Gnimpieba Zohim

University of Vermont

RII Track-2 FEC: AQUA-CLIME: Advancing Quality and Climate-Resilient Water Management with Community Partnerships and Enhanced Sensor Network

$83,978

Hong Zheng

University of Nebraska Medical Center

Autonomic dysfunction in diabetes via hypothalamic mechanisms: role of renal nerves

$1,763,829

Hong Zheng

University of Nebraska Medical Center

Beneficial actions of SGLT2 inhibition in congestive heart failure: novel target mechanism involving renal inflammation and renal denervation

$1,561,352

James Hoefelmeyer

National Science Foundation

Equipment: MRI: Track 1 Acquisition of a bench top powder X-ray diffractometer enabling research, education, and outreach in the upper Great Plains

$142,977

James Hoefelmeyer

South Dakota School of Mines Technology

Art + Engineering: Development, Growth and Expansion

$200,000

Jamie Bushman

University of North Dakota

Translational Science Engaging North Dakota (TRANSCEND) Professional Development Core

$163,540

Jamie Bushman

University of North Dakota

Translational Science Engaging North Dakota (TRANSCEND) Research Design, Compliance and Data Management Core

$537,672

Jean Caraway

Health Resources and Service Administration

University of South Dakota Graduate Psychology Education Program (USD-GPEP)

$1,350,000

Jeff Wesner

National Science Foundation

Collaborative Research: STAR: ULTRA-Data: Spatial and temporal drivers of size-abundance patterns in streams using harmonized data sets of individual body sizes.

$297,506

Jeff Wesner

National Science Foundation

Collaborative: STAR: Patterns of endosymbionts prevalence and abundance in aquatic insects across multiple scales of biological organization

$68,829

Jeffrey Simons

Medical University of South Carolina

Retraining Alcohol and Condom Tendencies (ReACT): A randomized controlled trial of a scalable mHealth solution for alcohol use and risky sex among college students

$831,713

Jeffrey Simons

Medical University of South Carolina

Retraining Alcohol and Condom Tendencies (ReACT): A randomized controlled trial of a scalable mHealth solution for alcohol use and risky sex among college students

$845,211

Jeffrey Simons
National Institutes of Health
Self-compassion as a Mechanism to Reduce PTSD, AUD, and Interpersonal Conflict
$3,361,503

Jing Liu
Continuum Educational Technologies, PBC
Shine – a web-based radiation simulation platform for medical imaging and beyond
$29,760

Jing Liu
Muons, Inc.
Enhanced G4beamline Advanced GUI for Accelerator Modeling
$60,135

Jing Liu
South Dakota State University
Develop a Precise and Economical ToF-PET for Better Medical Imaging Utilizing Cherenkov Radiation in Cryogenic Scintillating Crystals
$96,137

Jing Liu
U.S. Department of Energy
Particle Physics Traineeship in Siouxland with Oak Ridge National Laboratory
$1,834,742

Jing Williams
Academy of Korean Studies
Teaching Difficult History: Integrating Human Rights Education in Teaching the U.S. Military Camptown History in South Korea
$7,100

Jing Zhang
American Heart Association
Program Macrophage Phenotypes and Cardiac Inflammation with Coacervate Nanoparticle Delivery of Interleukin-10
$69,548

Joel Sander
SLAC National Accelerator Laboratory
SuperCDMS SNOLAB Installation and Integration support
$25,092

Joel Sander
Texas A&M University
Magnetic Avalanche Detector for Neutrino Elastic Scattering (MADNES) using Single-Molecule Magnet (SMM)
$850,913

Joel Sander
U.S. Department of Energy
Implementation of a CEvNS Detector at HFIR

John Dudley
The Andrew W Mellon Foundation
The Humanities Career Connect (HCC)
$1,496,792

Jon Lauck
National Endowment for the Humanities
Lost Region Recovery Project
$30,000

Jose Pietri
Indiana University - Purdue University Indianapolis
Biological vector borne transmission of Salmonella by cockroaches
$58,397

Jose Pietri
National Institutes of Health
Role of Shuangao bed bug virus 2 (SBBV2) in bed bug biology
$411,155

Karen Hebert

Seton Hall

Comprehensive Monitoring of Cognitive, Sleep, Emotional, and Speech Indicators in Concussion Recovery

$30,608

Katie Pudwill

Delta Dental Foundation

Enhancing Periodontitis Education and Management with PerioView Endoscope

$35,330

Katie Pudwill

Delta Dental Foundation

Laser Bacterial Reduction In DH

$23,500

KC Santosh

National Science Foundation

SaTC: CORE: Small: Strategic Formulation of Robust Biometric Intelligence for Adversarial Attacks and Perturbations

$597,847

Kelly Bass

Avera McKennan

Avera BRIGHT: Building Rural Innovation and Growth in Behavioral Health Teams

Khosrow Rezvani

Colorectal Cancer Alliance

Nanoparticle-Based Targeted Delivery and Release of Veratridine: A Novel Strategy for Suppressing mTORC2 Signaling Pathway and Mitochondrial Metabolism in Colorectal Cancer.

$200,000

Khosrow Rezvani

Continuum Educational Technologies, PBC

Therapeutic response of patient-derived organoids to nanoparticle-assisted devliery of Veratridine: an anit-metastic molecule

$25,000

Khosrow Rezvani

National Institutes of Health

A Novel Veratridine Derivative Selectively Inhibits mTORC2 Metastatic Pathway in Patient-derived Organoids Platform

$362,615

Khosrow Rezvani

South Dakota State University

Understanding human-specific drug targets and disease mechanisms of metastatic colorectal cancer using a nanoparticle-based drug delivery technology.

$100,000

Lee Baugh

Sanford Research/USD

Center for Biobehavioral Mechanisms of Eating Behavior

$142,025

Lindsey Jorgensen

American Tinnitus Association

Tinnitus treatment and PTSD reduction

$60,000

Lindsey Jorgensen

Stanford University

Changing the paradigm of audiologic practice: Implementation of speech in noise assessment

$220,512

Lindsey Jorgensen
United Way of Vermillion
2026 United Way of Vermillion Application for Funding
$2,000

Lindsey Peterson
Library of Congress
Brine & Blood: Gamifying History Education Using Primary Source Archives
$25,000

Lisa Bonneau
National Science Foundation
SSTEM: Facilitating STEM Student Success: Recruitment, Mentoring, and Career Readiness University of South Dakota
$2,000,000

Lisa MacFadden
STARTUP Central
Markerless Motion Capture Hardware for Integration into Compact Spaces for Clinical Movement Assessments
$28,000

Lisa McFadden
National Institutes of Health
From Diagnosis to Care: Addressing Systemic Barriers in Lewy Body Dementia Through Patient Care Partner and Provider Insights
$299,000

Lisa McFadden
National Institutes of Health
SPURA
$675,000

Lisa McFadden
National Institutes of Health
USD G-RISE
$4,237,225

Longwei Wang
National Science Foundation
EPSCoR Research Fellows: NSF: Development of Equivariant and XAI-Guided Robust Deep Neural Networks with UIUC for Trustworthy AI Applications
$173,315

Longwei Wang
SD Board of Regents
Designing Resilient Neural Networks: Equivariant Architectures and Explainable AI-Driven Model Refinement
$87,391

Luye Qin
National Institutes of Health
Neural Basis of ASH1L in autism spectrum disorder
$2,768,820

Luye Qin
National Institutes of Health
Neural Basis of KMT2C in autism spectrum disorder
$2,596,864

Luye Qin
National Institutes of Health
The impact of BDNF Val66Met polymorphism on neuronal excitability and seizures
$2,596,864

Luye Qin
Sanford Health
The role of KMT2C in autism spectrum disorder
$75,000

Luye Qin
Sanford Research/USD
Epigenetic signatures of KMT2C in neurodevelopmental disorder
$941,850

Madison Harrington
SD Department of Highway Safety
USD Student Counseling CTR 2026
$48,700

Mandie Weinandt
Dakota Gold Corp
Dakota Gold statical analysis contract
$17,020

Marcella Hurley
Defense Logistics Agency
South Dakota APEX
$260,000

Mark Dixon
Nebraska Community Foundation
Platte River Recovery Implementation Program Grassland Vegetation Monitoring for Summer 2025
$45,753

Mark Slade
U.S. Small Business Administration
South Dakota Small Business Administration
$777,777

Mark Sweeney
National Science Foundation
Collaborative Research: Assessing current and future dust flux from the Northern Great Plains, U.S. with extreme climate variability and insights from the 1930s Dust Bowl drought
$377,096

Md Giash Uddin
American Heart Association
The role of RPN6-Ser14 phosphorylation in ischemic heart disease (Uddin, Md Giash)
$69,548

Md Salim Ahammed
National Institutes of Health
S14-Phosphorylated RPN6 Protects the Heart Under Systolic Overload
$49,289

Meghann Jarchow
South Dakota Biotech
Renewable Energy, Green Infrastructure, and Workforce Development for the Cheyenne River and Lower Brule Sioux Tribes
$344,880

Melissa Dittberner
SD Department of Social Services
NeuroRecovery
$35,000

Michael Chaussee
National Institutes of Health
Coordinate regulation of virulence in S. pyogenes
$2,033,000

Michael Chaussee
National Institutes of Health
Molecular bases of influenza enhancement of invasive GAS disease
$411,125

Minga Vargas
Circle Clinical, LLC
Treating the Condition of Poverty through a Randomized Clinical Trial Utilizing the Transition to Success (TTS) Methodology to Reduce Perceived Stress, Improve Quality of Life and Health Outcomes, and Change in Perception of Those Living in Poverty Among TTS Coaches
$163,949

Minga Vargas
SLM Consulting, LLC
National WIC Association Research & Evaluation Consultant
$6,956

Morgan Eikanger
National Institutes of Health
Targeting hyperactive mTORC2 pathway using Veratridine, a novel strategy for the treatment of metastatic colorectal cancer
$151,667

Morgan Rothschadl
National Institutes of Health
The role of neurotrophic factor signaling in cognition
$129,462

Natalie Lecy
Monument Health
Medical Respite
$156,858

Nathaniel Steinlicht
SD Department of Health
SD HOPE Evaluation
$129,384

Omera Matoo
National Science Foundation
BRC-BIO: An Integrative Approach to Examine Thermal Physiology of Freshwater Mussels in the Great Plains
$499,941

Raluca Simons
Council of University Directors of Clinical Psychology
Ketamine-Assisted Psychotherapy (KAP) for Comorbid PTSD and Alcohol Use among OIF/OEF Veterans: An Experience Sampling Feasibility Pilot Trial
$10,000

Randy Faustino
National Science Foundation
IMPACTS: Integrating Mentorship and Practice to Advance Careers in Technology & Science
$795,000

Ranelle Nissen
Centene Corporation
Preparing Native American Health Professionals to Improve Health and Wellness in Tribal Communities
$425,053

Ranelle Nissen
Health Resources and Service Administration
2025 HRSA BHWET-BRIDGE
$2,400,000

Ranelle Nissen
Josiah Macy, Jr., Foundation
Preparing Native American Health Professionals to Improve Health and Wellness in Tribal Communities

Ranelle Nissen
National Institutes of Health
Enhancing Alzheimer's Disease and Related Dementia Care in Rural Communities: Assessing the Benefits of a Person-Centered Care Dyad Program
$299,000

Ranelle Nissen
U.S. Department of Defense
Enhancing Alzheimer's Disease and Related Dementia Care in Rural Communities: Assessing the Benefits of a Person-Centered Care Dyad Program

Ranjeet John

Climate Change AI

Climate change driven flooding impact on regenerative agriculture in Eastern South Dakota

$150,000

Ranjeet John

National Aeronautics and Space Administration

RFA-063 Exposure and vulnerability to geohazards (e.g., infrastructure and flooding, landslides, etc.), land cover/use change and their impacts on water: Multi-sensor changes detection of 2024 flood extent, depth and effects in the Northern Great Plains

$124,762

Ranjeet John

SD Board of Regents

Analysis of flood extent and depth on agricultural and riparian ecosystems in Eastern South Dakota

$90,000

Ranjeet John

SD NASA EPSCoR

Multi-sensor changes detection of 2024 flood extent and effects on agroecosystems and riparian ecosystems in Eastern South Dakota

$75,000

Richard Braunstein

Rapid City Police Department

2025 Rapid City CVIPI Evaluation Project

$35,000

Rick Wang

American Chemical Society

A Non-Covalent Approach to Direct Air Capture

$125,000

Rick Wang

National Science Foundation

Anion Recognition by Committee

$499,103

Rodrigue Rizk

National Endowment for the Humanities

American Society Perspectives on Artificial Intelligence (AI) and its Applications: An Interdisciplinary Address of the Social and Cultural Implications of AI

$149,999

Rodrigue Rizk

National Science Foundation

EPSCoR Research Fellows: NSF: Advancing Human-Machine Collaboration for Long-Form Video Understanding

$291,635.00

Ryan Johnson

University of Nebraska

CC* Storage-Region: Great Plains - Scalable Tiered Object Repository (GP-STOR)

$100,000

Saige Kelmelis

National Science Foundation

Collaborative Research: An integrative approach to reconstructing drought and its demographic and health effects in the Maya lowlands

$279,437

Samuel Sathyanesan
Continuum Educational Technologies, PBC
Role of sugars in neurotrophic factor drug efficacy
$25,000

Samuel Sathyanesan
National Institutes of Health
Neurotrophic Drug Development for Alzheimer's Disease
$204,328

Samuel Sathyanesan
South Dakota State University
Role of sugars in neurotrophic factor activity and efficacy
$149,852

Steven Wu
SD Board of Regents
Persistent Luminescent Silicon Quantum Dots for Cellular Imaging
$90,000

Susan Puumala
SD Department of Health
Public Health Structure Analysis
$36,079

Susan Puumala
SD Department of Social Services
South Dakota Opioid Needs Assessment
$124,899

Tamara Keefner
Matson Halverson Christiansen Hamilton Foundation
Global Rural Nursing Virtual Collaboration Learning Grant
$2,500

Tasha Wendel
American Dental Hygienists' Association
USD Mobile Dental
$5,000

Tasha Wendel
POET
USD Mobile Program
$4,000

Taylor Bosch
National Science Foundation
Getting a handle on tool use: An exploration of the brain-behavior link when learning to use a novel tool
$984,802

Taylor Bosch
SD Board of Regents
BrainSTEM: Enhancing STEM education in electroencephalography (EEG), clinical assessment, and machine learning in a college alcohol consumption study
$74,310

Tonya Ferrell
Sioux Falls Area Community Foundation
Sioux Falls Area Community Foundation Grant Application
$20,000

Varun Vaidya
Los Alamos National Laboratory
Generalized Entanglement for Quantum Field Theories
$606,343

Victor Huber
Griffith University
Technology for mucosal vaccines against respiratory pathogens
$124,500

Victor Huber
Griffith University
Technology for mucosal vaccines against respiratory pathogens
$124,500

Victor Huber
National Institutes of Health
Rezvani BRIN Supplement
$285,400

Victor Huber
National Institutes of Health
South Dakota Biomedical Research Infrastructure Network
$4,373,876

Victor Huber
Swine Health Information Center
Development of A Broadly Reactive H5N1 Vaccine Candidate
$78,750

Victor Huber
The University of Texas Medical Branch at Galveston
Passive Immunization of Poultry Against Avian Influenza Using Hyperimmune Bovine Milk
$223,987

Victor Huber
The University of Texas Medical Branch at Galveston
Unraveling the mechanism of TIA1 and stress signaling mediated restriction of Influenza Virus replication.
$30,850

Victor Huber
University of Illinois
A broadly protective vaccine and novel delivery system for influenza A virus
$80,932

Victor Huber
University of Illinois
A novel porcine parainfluenza virus 1 (PPIV1)-vectored vaccine against emerging influenza virus H5N1 in swine
$37,250

Whitney Lucas Molitor
Encompass Health
Stroke Caregiver and Group BITS Training: Bridging Knowledge and Support
$21,378

William Chen
American Heart Association
Autonomous Epigenetic Theranostics for Ischemic Stroke

William Chen
National Institutes of Health
A Dynamic Theranostic Platform with Self-Programming Capacity for Treating Ischemic Diseases
$411,125

William Chen
National Institutes of Health
An Autonomous Epigenetic Programmable Theranostic Platform for Multifactorial Progressive Disorders
$598,000

William Chen

National Institutes of Health

Engineer Auto-Programmable Cellular Theranostics for Ischemic Cardiomyopathy (ICM) – A Synthetic Biology Approach
$3,787,761

William Chen

National Institutes of Health

Programming and Computing Inflammation and Immunomodulation in Tissue Repair
$2,029,103

William Chen

National Institutes of Health

Reinvent Mesenchymal Stem Cells - A Synthetic Biology Approach to Engineer Programmable Adult Stem Cell Theranostics
$3,141,721

William Chen

SD Board of Regents

Self-Programmable Real-Time Theranosticss for Ischemic Diseases
$90,000

William Mayhan

National Institutes of Health

Transgenerational influence of alcohol on the cerebral microcirculation.
$411,125

William Sweeney

SD Community Foundation

Improving Reading Fluency Improvements with Repeated Readings Combined with Precision Teaching Measurement with Indigenous Elementary Students Attending a Rural Tribal School
$109,760

William Sweeney

Wells Fargo Community Foundation

Evaluating Reading Fluency Improvements with Repeated Readings Instructional Approaches Combined with Precision Teaching Measurement with Indigenous Elementary Students Attending a Rural Tribal School

Xuejun Wang

National Institutes of Health

Priming the proteasome to protect against aging and Alzheimer's disease

Xuejun Wang

National Institutes of Health

Proteasome Malfunction in HFpEF
$3,619,015

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