



## **Research and Sponsored Programs "SpotLight"**

External funding Submissions and Awards

February 2020

CONGRATULATIONS to the following faculty and staff:

### **Library Services**

**Heidi Southworth** – Library Services

Minnesota Historical Society – **"Acquire Primary Resources on Microfilm – A Structured Minnesota Historical and Cultural Heritage Legacy Grant"**

Awarded: \$7,893

### **College of Allied Health and Nursing**

**Dr. Megan Mahowald** – Speech, Hearing & Rehabilitation Services And **Dr.**

**Brooke Burk** – Recreation, Parks & Leisure Services

***Camp Maverick Rec N'Read***

Submitted to: American Honda Foundation for \$34,938

**Dr. Megan Mahowald** – Speech, Hearing & Rehabilitation Services And **Dr.**

**Brooke Burk** – Recreation, Parks & Leisure Services

***Clinical Education and Observation Suite***

Submitted to: Steelcase Education for \$TBD

**Dr. Megan Mahowald** – Speech, Hearing & Rehabilitation Services And **Dr.**

**Brooke Burk** – Recreation, Parks & Leisure

Mankato Clinic Foundation – **"Camp Maverick: A literacy and recreation summer camp for youth with reading disabilities"**

Awarded: \$3,500

**Dr. Brooke Burk** – Recreation, Parks & Leisure

Theresa Foundation – **"Camp Maverick: Rec N'Read"**

Awarded: \$5,250

### **College of Science, Engineering & Technology**

**Dr. Christopher Ruhland** And **Dr. Ryan Wersal** – Biological Sciences

***Comparing Photosynthesis Yield and Biomass Components in Northern, Eurasian, and Hybrid Watermilfoil***

Submitted to: Midwest Aquatic Plant Management Society for \$7,471

**Dr. Basak Bektas** – Mechanical and Civil Engineering

***AASHTOWare BrM Implementation and Operation Iowa DOT***

Submitted to: Iowa State University for \$13,100

**Dr. Xuanhui Wu** And **Dr. Qiang Ye** - Electrical & Computer Engineering Technology

***mmW filter simulation and measurement for 5G and IoT applications***

Submitted to: Thin-Film Technologies for \$10,800

**Dr. Ryan Wersal** – Biological Sciences  
**Research to Support Starry Stonewort Management Priorities**  
 Submitted to: Sigura Water for \$10,000

**Dr. Cyrus Azarbod** – Computer and Information Sciences  
 Nexlore USA – **“Integration of Data and Machine Learning to Create Innovative Solutions for Construction Related Projects”**  
 Awarded: \$78,559

**Dr. Deborah Nykanen**– Mechanical and Civil Engineering  
 UCAR COMET Outreach Program – **“Statistical Comparison of Minnesota Stream Gages with Streamflow Simulations from the National Water Model”**  
 Awarded: \$14,943

**Dr. Melissa Huppert** – Minnesota State Engineering Center of Excellence  
 Boston Scientific Foundation – **“Engineering Design Kits and Curriculum”**  
 Awarded: \$22,196

**Jason Bruns** – Minnesota State Engineering Center of Excellence And **Dr. Leah Roue** – Construction Management  
 Region Nine Development Commission – **“RFP – Region 9 Economic Feasibility Study Assistance”**  
 Awarded: \$27,500

**Kimberly Musser** And **Tyler Grupa** – Water Resources Center  
 University of Minnesota – **“ACPF Training”**  
 Awarded: \$3,424

### College of Social and Behavioral Sciences

**Dr. Daniel Sachau, Dr. Kristie Campana** AND **Dr. Andrea Lassiter**–  
 Psychology  
**Leytem Consulting Project**  
 Submitted to: Leytem Consulting for \$15,000

**Dr. Daniel Sachau**– Psychology  
**Digi-Key Focus Group**  
 Submitted to: Digi-Key Corporation for \$16,000

Nidec – **“Nidec Aptitude Assessment Study”**  
 Awarded: \$4,000

MRCI – **“MRCI Focus Group”**  
 Awarded: \$16,000

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**Dr. Kathleen Blue** – Anthropology  
 MN Department of Transportation – **“Osteology Services for Statewide Cultural Resources Unit Projects”**  
 Awarded: \$25,000

College of Business

**Shane Bowyer**– Management  
**Supporting Agribusiness Through Education and Community Engagement**  
 Submitted to: Bush Foundation for \$310,000

College of Arts and Humanities

**Dr. Nancy Drescher** – English  
 South Central College – **“South Central GA for Sheltered English Instruction”**  
 Awarded: \$9,892

College of Education

**Dr. Carrie Chapman** – K-12 & Secondary Programs, **Michael Altomari** – Concurrent Enrollment, And **Brian Jones**– Admissions  
**Mankato Concurrent Enrollment Initiative – Expanded Racial Consciousness (ERC)**  
 Submitted to: MN Department of Education for \$60,198

**Dr. Teresa Kruienga** And **Laura Maki** – College of Education  
**Recruiting and Retaining Future Teachers of Color**  
 Submitted to: Sauer Family Foundation for \$179,872

Division of Student Affairs

**Wendy Schuh, Natalie Schuette** And **Jodi Egeland** – Health Services  
**The Use of Telemedicine to Improve Access to Mental Health Care for Minnesota State College Students**  
 Submitted to: National Institutes of Health for \$956,536

**Carolyn Nelson** – Admissions  
 Minnesota Office of Higher Education – **“Emergency Grant”**  
 Awarded: \$35,750

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