

**Office of Research
IT and Data Management Office**

January, 2024 New Awards

Arnold School of Public Health

Applied Research & Evaluation (CARE)

Gillam, Pamela

Aiken County Needs Assessment to Address the Opioid Crisis 42,575

Sponsor: Aiken Center for Substance Use Services

PS PROJECT: 10013682

TOTAL_PROJECT_AMT. IF AVAILABLE: 61,066

PROJECT YEARS: 1

Workman, Lauren

Healthy Palmetto Community Focus Groups 19,842

Sponsor: SC Hospital Association Foundation (SCHAF)

PS PROJECT: 10013684

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Center for Community Health Alignment

Rawlinson, Kimberly

Johnson & Johnson ORTHE CCHA 2024 319,000

Sponsor: SC Research Foundation (SCRF)/Johnson & Johnson Services, Inc.

PS PROJECT: 10013689

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Smithwick, Julie

Envision Healthy Equitable Communities Year 3 642,253

Sponsor: Wisconsin Department of Health Services/CDC

PS PROJECT: 10013391

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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Communication Sci & Disorders

Fitton, Lisa

Reach Every Reader: Dyslexia Screener Validation Program in South Carolina 190,000

Sponsor: Learning Ally (with original funding from the South Carolina Department of Education)

PS PROJECT: 10013724

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Epidemiology & Biostatistics

Liu, Jihong

Upstate Healthy Start 2023 - 2028 115,677

Sponsor: Prisma Health - Midlands/HRSA/HHS

PS PROJECT: 10013688

TOTAL_PROJECT_AMT. IF AVAILABLE: 578,385

PROJECT YEARS: 5

Zhang, Jiajia

Transitioning youth living with HIV to adult-oriented care: a statewide population-based study 36,782

Sponsor: National Institute of Child Health & Human Development (NICHD)/NIH

PS PROJECT: 10013652

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

Health Prom., Educ. & Behavior

Byers, Megan

Master Plan on Aging Infographics Library 10,000

Sponsor: The Center for Health Care Strategies, Inc.

PS PROJECT: 10013659

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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Draper, Carrie

Project 1: Library Nutrition Support Implementation 93,622

Sponsor: SC Department of Social Services (SCDSS)/USDA

PS PROJECT: 10013403

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Project 2: 5-2-1-0 Social Marketing Campaign 135,143

Sponsor: SC Department of Social Services (SCDSS)/USDA

PS PROJECT: 10013404

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Project 3: State-Level Food Policy Council 143,008

Sponsor: SC Department of Social Services (SCDSS)/USDA

PS PROJECT: 10013405

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Project 4: Local Food Policy Councils 124,068

Sponsor: SC Department of Social Services (SCDSS)/USDA

PS PROJECT: 10013406

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Project 5: Transportation and Planning 155,703

Sponsor: SC Department of Social Services (SCDSS)/USDA

PS PROJECT: 10013407

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Project 6: Statewide SNAP-Ed Evaluation 98,539

Sponsor: SC Department of Social Services (SCDSS)/USDA

PS PROJECT: 10013408

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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<i>Share Our Strength's No Kid Hungry Campaign</i>	50,000
Sponsor: Share Our Strength	
PS PROJECT: 10013714	
TOTAL_PROJECT_AMT. IF AVAILABLE:	
PROJECT YEARS: 1	
Frongillo, Edward	
<i>Healthy Diets Monitoring Initiative (HDMI): Advancing Decision Support Tools</i>	50,944
Sponsor: Trustees of Tufts College/Bill and Melinda Gates Foundation	
PS PROJECT: 10013703	
TOTAL_PROJECT_AMT. IF AVAILABLE:	
PROJECT YEARS: 1	
Yang, Xueying	
<i>Transitioning youth living with HIV to adult-oriented care: a statewide population-based study</i>	133,773
Sponsor: National Institute of Child Health & Human Development (NICHD)/NIH	
PS PROJECT: 10013649	
TOTAL_PROJECT_AMT. IF AVAILABLE: 398,311	
PROJECT YEARS: 2	
Health Services Policy & Mgmt	
Andrews, Christina	
<i>South Carolina Center for Excellence in Addiction</i>	77,534
Sponsor: South Carolina Opioid Recovery Fund (SCORF)	
PS PROJECT: 10013466	
TOTAL_PROJECT_AMT. IF AVAILABLE: 352,050	
PROJECT YEARS: 1	
Olatosi, Bankole	
<i>Transitioning youth living with HIV to adult-oriented care: a statewide population-based study</i>	13,576
Sponsor: National Institute of Child Health & Human Development (NICHD)/NIH	
PS PROJECT: 10013653	
TOTAL_PROJECT_AMT. IF AVAILABLE:	
PROJECT YEARS: 2	

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College of Arts and Sciences

Archaeology & Anthropology

Goodyear, Albert

23-24 Continuation of Analysis and Cataloging of Topper Site Artifacts 30,000

Sponsor: SC Research Foundation/Felburn Foundation

PS PROJECT: 10013690

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Stephenson, Donald

South Carolina Institute of Archaeology and Anthropology/Savannah River Archaeological Research Program Cooperative Agreement: United States Department of Energy for FY2023 - FY2028 410,037

Sponsor: Savannah River Operations (Administrator)/US Department of Energy (DOE)

PS PROJECT: 10013531

TOTAL_PROJECT_AMT. IF AVAILABLE: 4,964,015

PROJECT YEARS: 5

Baruch Institute

Morris, James

Jekyll Creek Thin Layer Placement Monitoring and Analysis of Ecosystem Response 31,088

Sponsor: Georgia Southern University/ERDC-Army/DOD

PS PROJECT: 10013686

TOTAL_PROJECT_AMT. IF AVAILABLE: 57,587

PROJECT YEARS: 2

Biological Sciences

Chen, Hui

Hierarchical Onset of Germ Layer Specification 36,189

Sponsor: National Institute of Child Health & Human Development (NICHD)/NIH

PS PROJECT: 10013722

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

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Chemistry & Biochemistry

Walters, Wendell

Assessment of Multiscale Air Quality Model (CMAQ) Representation of Spatiotemporal Atmospheric Nitrate Chemical Production in New England 39,346

Sponsor: National Science Foundation (NSF)

PS PROJECT: 10013577

TOTAL_PROJECT_AMT. IF AVAILABLE: 168,980

PROJECT YEARS: 1

Criminology & Criminal Justice

Alpert, Geoffrey

Evaluating Artificial Intelligence Interventions in Police Body-Cameras: Truleo + Police Supervision 213,603

Sponsor: Laura and John Arnold Foundation

PS PROJECT: 10013715

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

Boehme, Hunter

A longitudinal cohort mixed methods study of the impact of mental health on retention and turnover among early career police officers in South Carolina 243,859

Sponsor: US Department of Justice (DOJ)

PS PROJECT: 10013661

TOTAL_PROJECT_AMT. IF AVAILABLE: 1,000,000

PROJECT YEARS: 4

Geography

Kupfer, John

A Proposal to Host the USGS Southeast Climate Adaptation Science Center 32,744

Sponsor: NC State University/US Geological Survey/DOI

PS PROJECT: 10013643

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 5

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History

Stuckey, Melissa

2022 HPF AACR - Elizabeth City State University (NPS AACR Historic Preservation Grant) 28,070

Sponsor: Elizabeth City State University/NPS/DOI

PS PROJECT: 10013666

TOTAL_PROJECT_AMT. IF AVAILABLE: 44,952

PROJECT YEARS: 3

2022 HPF Elizabeth City Sate University - Principal's House Rehabilitation (NPS HBCU Grant) 8,820

Sponsor: Elizabeth City State University/NPS/DOI

PS PROJECT: 10013667

TOTAL_PROJECT_AMT. IF AVAILABLE: 49,498

PROJECT YEARS: 3

McKissick Museum

Burgess, Lana

SCAC Folklife Partnership Grant Renewal FY23-24 51,916

Sponsor: SC Arts Commission

PS PROJECT: 10013045

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Political Science

Liu, Howard (Hao)

Informant Networks, Intelligence Selection, and State Repression 65,700

Sponsor: National Cheng Kung University/Chiang Ching-Kuo Foundation for International Scholarly Exchange (CCKF)

PS PROJECT: 10013668

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 3

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Lunz Trujillo, Kristin

Assessing the Effectiveness of Common Health Messaging Tactics on Self-Reported and Validated Vaccine Uptake – A Multi-Method Approach 17,999

Sponsor: Boston University/NSF

PS PROJECT: 10013721

TOTAL_PROJECT_AMT. IF AVAILABLE: 17,999

PROJECT YEARS: 2

Psychology

Harrison, Sayward

Transitioning youth living with HIV to adult-oriented care: a statewide population-based study 11,777

Sponsor: National Institute of Child Health & Human Development (NICHD)/NIH

PS PROJECT: 10013650

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

Smith, Courtnie

John H. Magill School Mental Health Certificate Program 37,500

Sponsor: SC Department of Mental Health (SCDMH)

PS PROJECT: 10013677

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

College of Education

Research, Eval., & Measurement

Leighton, Elizabeth

Evaluation of School District Five of Lexington and Richland Counties Project Aspire Magnet Program 175,000

Sponsor: School District Five of Lexington and Richland Counties/USDE

PS PROJECT: 10013702

TOTAL_PROJECT_AMT. IF AVAILABLE: 875,000

PROJECT YEARS: 5

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Lewis, Ashlee

Impact Evaluation of Engaging Creative Minds (ECM) Summer and Afterschool Programs - 2023-2024 95,000

Sponsor: Engaging Creative Minds

PS PROJECT: 10013694

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Teacher Education

Yow, Jan

Using Research Practice Partnerships to Take Preliminary Steps towards a Full-fledged Investigation of the Influence of Teacher Leaders on STEM Teacher Effectiveness and Retention - Advancing Teacher Leadership by Advantaging Systems: Capacity Building (ATLAS CB) 20,000

Sponsor: University of Nebraska-Lincoln/NSF

PS PROJECT: 10013700

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

College of Engineering & Comp.

Chemical Engineering

Ritter, James

Evaluation of Adsorbents for Hydrocarbon Adsorption 175,000

Sponsor: ColdStream Energy, LLC

PS PROJECT: 10013723

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Wei, Tao

Simulation Studies of New Zwitterionic and Amphiphilic Polymer Surfaces 60,000

Sponsor: Office of Naval Research (ONR)/DOD

PS PROJECT: 10013709

TOTAL_PROJECT_AMT. IF AVAILABLE: 384,819

PROJECT YEARS: 3

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Civil & Environmental Eng.

Imran, Jasim

NSF Convergence Accelerator Track K: COMPASS: Comprehensive Prediction, Assessment, and Equitable Solutions for Storm-Induced Contamination of Freshwater Systems 263,394

Sponsor: National Science Foundation (NSF)

PS PROJECT: 10013646
TOTAL_PROJECT_AMT. IF AVAILABLE: 650,000
PROJECT YEARS: 1

Viparelli, Enrica

Using Historical Water-Level Records to Predict the Effects of Relative Sea-Level Rise and Habitat Changes in the SF Bay Delta-Y2 9,471

Sponsor: California Polytechnic State University/US Bureau of Reclamation/DOI

PS PROJECT: 10013670
TOTAL_PROJECT_AMT. IF AVAILABLE:
PROJECT YEARS: 1

Electrical Engineering

Santi, Enrico

Advanced Controls and Decision Aids Based on Digital Twins for Power and Energy Systems 9,997,059

Sponsor: Office of Naval Research (ONR)/DOD

PS PROJECT: 10013660
TOTAL_PROJECT_AMT. IF AVAILABLE: 9,997,059
PROJECT YEARS: 3

IIT - Engineering

Crichigno, Jorge

DARPA SBIR: CIREN-5G: A novel cybersecurity, resiliency and performance assurance technology for private-5G networks” 60,000

Sponsor: OPEX Systems, LLC/SBIR - DARPA/DOD

PS PROJECT: 10013725
TOTAL_PROJECT_AMT. IF AVAILABLE: 120,000
PROJECT YEARS: 2

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Hikmet, Neset

IMAGINE R&D Phase 2

20,730

Sponsor: Connecting Health Innovations LLC

PS PROJECT: 10013717

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Mechanical Engineering

Besmann, Theodore

DOE: Effect of Multiple Uranium Complexes on Chloride Fast Reactor Molten Salt Properties

101,827

Sponsor: University of Connecticut/DOE

PS PROJECT: 10013701

TOTAL_PROJECT_AMT. IF AVAILABLE: 294,657

PROJECT YEARS: 3

Ling, Yue (Stanley)

NASA: Multi-scale simulations of two-phase flows and heat transfer in confined geometries using embedded thin-film models

50,000

Sponsor: NASA

PS PROJECT: 10013669

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

Sockalingam, Subramani

A-006 Characterization of Composite Material Properties for the LS-DYNA MAT213 Model

87,415

Sponsor: College of Charleston/NASA (EPSCoR)

PS PROJECT: 10013695

TOTAL_PROJECT_AMT. IF AVAILABLE: 87,415

PROJECT YEARS: 2

Won, Sang Hee

Basic Research on Coke Characteristics of Liquid Hydrocarbon Mixtures and Fuels

106,060

Sponsor: Kyonggi University/Agency for Defense Development of Korea

PS PROJECT: 10013658

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 3

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College of Nursing

Nursing

Dawson, Robin

(Mia Barron) Assessing and Improving Communication Strategies Among African American Individuals with Systemic Lupus Erythematosus 15,000

Sponsor: Rheumatology Research Foundation

PS PROJECT: 10013699

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Inman, Dianna

Improving Access to Care: Early Identification and Treatment of Children and Adolescents in rural underserved communities with ADHD and behavioral disturbances through school-based telehealth 730,000

Sponsor: USC Educational Foundation/The Duke Endowment

PS PROJECT: 10013663

TOTAL_PROJECT_AMT. IF AVAILABLE: 730,000

PROJECT YEARS: 3

College of Pharmacy

Drug Discovery & Biomed Sci.

Porcu, Alessandra

Circadian regulation of dopamine 1 receptor signaling in the Nucleus Accumbens 223,500

Sponsor: National Institute of Mental Health (NIMH)/NIH

PS PROJECT: 10013654

TOTAL_PROJECT_AMT. IF AVAILABLE: 409,750

PROJECT YEARS: 2

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College of Social Work

Families in Society, Institute

Lopez-DeFede, Ana

Implementing doula care in Medicaid to advance racial equity in severe maternal morbidity 144,654

Sponsor: Academy Health/PCORI

PS PROJECT: 10013710

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 5

Social Work - Dean's Office

Levkoff, Sue

Mobile application for early detection and intervention to reduce psychological distress in informal family caregivers of community dwelling adults with chronic disorders in Thailand 20,406

Sponsor: Brigham and Women's Hospital/NIH

PS PROJECT: 10013697

TOTAL_PROJECT_AMT. IF AVAILABLE: 40,812

PROJECT YEARS: 2

Darla Moore School of Business

Moore Sch - Div. of Research

Von Nessen, Joseph

MUSC: Economic Impact Analysis 50,000

Sponsor: Medical University Hospital Authority (MUHA)/MUSC

PS PROJECT: 10013641

TOTAL_PROJECT_AMT. IF AVAILABLE: 50,000

PROJECT YEARS: 1

Dorchester Heritage Center: Economic Impact Analysis 30,000

Sponsor: Dorchester Heritage Center

PS PROJECT: 10013696

TOTAL_PROJECT_AMT. IF AVAILABLE: 30,000

PROJECT YEARS: 1

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Small Business Dev. Ctr.

Abraham, Michele

SSBCI Technical Assistance Grant

3,102,893

Sponsor: JEDA/USDOT

PS PROJECT: 10013647

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 5

Division of Student Affairs

Substance Abuse and Prevention

Hourigan, Aimee

Great Plays at Carolina 2024

14,999

Sponsor: International Town and Gown Association (ITGA)

PS PROJECT: 10013665

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Hosp., Retail, & Sport Mgmt

Sport & Entertainment Mgmt

Koesters, Todd

FC Cincinnati (FCC) Fan Panel Proposal

172,500

Sponsor: Fussball Club (FC) Cincinnati, LLC

PS PROJECT: 10013656

TOTAL_PROJECT_AMT. IF AVAILABLE: 172,500

PROJECT YEARS: 3

School of Law

Children's Law Center

Dhunjishah, L Michelle

S.C. Department of Juvenile Justice Contract

112,496

Sponsor: SC Department of Juvenile Justice

PS PROJECT: 10013115

TOTAL_PROJECT_AMT. IF AVAILABLE: 225,000

PROJECT YEARS: 5

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Law - Dean's Office

Suski, Emily

Medical-Legal Partnerships (MLPs) As an Equitable Child Welfare Prevention Model 362,000

Sponsor: USC Educational Foundation/The Duke Endowment

PS PROJECT: 10013698

TOTAL_PROJECT_AMT. IF AVAILABLE: 1,498,000

PROJECT YEARS: 4

School of Medicine

Cell Biology & Anatomy

Potts, Jay

A novel therapeutic approach to treat cardiovascular disease 25,000

Sponsor: XLerate Health, LLC/NIH

PS PROJECT: 10013720

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

Family & Preventive Medicine

Rhodes, Morgan

Group Education and Diabetes Care: Piloting a New Model within a High-Need Family Medicine Residency Program 575,000

Sponsor: USC Educational Foundation/The Duke Endowment

PS PROJECT: 10013676

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 3

Internal Medicine

Weissman, Sharon

Transitioning youth living with HIV to adult-oriented care: a statewide population-based study 21,957

Sponsor: National Institute of Child Health & Human Development (NICHD)/NIH

PS PROJECT: 10013651

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

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MDC Ctr Disability Resources

Rotholz, David

Byrne State Crisis Intervention Program

765,325

Sponsor: Office of Highway Safety and Justice Programs (OHSJP)/SCDPS/DOJ

PS PROJECT: 10013648

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

MDC Office of Dean

Rahemtullah, Omme-Salma

Improving Fresh Food Access in Rural South Carolina (CRPH)

150,000

Sponsor: SC Center for Rural and Primary Healthcare/SCDHHS

PS PROJECT: 10013671

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

School of Medicine (Grvl)

Medicine Greenville

Quesnelle, Kelly

Sex and Gender Curricular Assessment and Revision (SG-CAR)

112,518

Sponsor: Prisma Health Upstate/NIH

PS PROJECT: 10013640

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

University Health Services

Health Services

Cato, Emily

Choose Well Grant

106,000

Sponsor: New Morning Foundation

PS PROJECT: 10013581

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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University Libraries

Univ Libraries - Dean's Office

Britton, Jeanne

Library Exhibition -- Letters, Music, and the First Black British Vote: Ignatius Sancho's Life and Times 10,000

Sponsor: Gladys Kriebel Delmas Foundation

PS PROJECT: 10013708

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 2

University of SC Aiken

AK Chemistry

Borders, Bryan

MOF-Based Mercury Sensor Development 249,548

Sponsor: Battelle Savannah River Alliance, LLC (BSRA)/SRNL/DOE

PS PROJECT: 10013657

TOTAL_PROJECT_AMT. IF AVAILABLE: 249,548

PROJECT YEARS: 1

Marshall, Nicholas

Synthesizing, Compounding, and Characterizing a Heat Labile Foam 69,955

Sponsor: Battelle Savannah River Alliance, LLC (BSRA)/SRNL/DOE

PS PROJECT: 10013718

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 3

AK Psychology

Rogers, Mary M.

Aiken County Needs Assessment to Address the Opioid Crisis 18,431

Sponsor: Aiken Center for Substance Use Services

PS PROJECT: 10013683

TOTAL_PROJECT_AMT. IF AVAILABLE:

PROJECT YEARS: 1

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University of SC Upstate

UPS Academic Affairs Admin

Waldrop, Susannah

POWER UP

450,000

Sponsor: US Department of Education (USDE)

PS PROJECT: 10013707

TOTAL_PROJECT_AMT. IF AVAILABLE: 2,250,000

PROJECT YEARS: 5

Report Total:

\$22,463,825