

Health Sciences Center Research Division at Prisma Health

2022 Health Sciences Center Seed Grants

Presented by Title in Alphabetical Order

Transformative Seed Grant Awardees

TITLE	PI/Co-PI	Team Members
<i>A Non-invasive Diagnostic Assay for Pediatric Eosinophilic Esophagitis</i>	Mac Gilliland <i>Furman University</i> Jonathan Markowitz <i>Prisma Health</i>	Mike Wang (Prisma Health), Morgan Thomas (Furman University)
<i>Adaptation of a Prediction Model for Neonatal Abstinence Syndrome in a Population of High-Risk Infants</i>	Lori Ann Dickes <i>Clemson University</i> Jennifer Hudson <i>Prisma Health</i>	Dr. Windsor Sherrill, Clemson University; Dr. Rachel Mayo, Clemson University; Farah Tahsin and Leah Holcomb, Clemson University PhD students
<i>Analysis and integration of patient galectin profiles into the clinical cancer database</i>	Anna Blenda <i>USCSOMG</i> Jeffrey Edenfield <i>Prisma Health</i>	Julie Martin, Prisma Health; Larry Gluck, Prisma Health
<i>Buddy to Care: Building Understanding of Determinants and Deficits impacting your Recovery</i>	Jess Knapp <i>Prisma Health</i> Margie Stevens <i>USCSOMG</i> Alain Litwin <i>Prisma Health</i>	Meredith Eicken (Medicine; Co-I); Darin Thomas (Accountable Communities; Co-I); Caroline Rudisill (USC Arnold School of Public Health) Clemson Co-PI: Moonseong Heo (Department of Public Health Sciences) and Irene Pericot-Valverde (Department of Public Health Sciences) Furman Co-I: Shaniece Criss (Health Sciences)
<i>Chagas disease seroprevalence among Latinx residents in South Carolina</i>	Melissa Nolan <i>UofSC</i>	Patrick Kent-Prisma Health; Alain Litwin-Prisma Health; Jeff Hall-Prisma Health/UofSC SOM; Morgan Rhodes-Prisma Health/UofSC SOM; Kylie Stevens-UofSC SOM; Justin Cole-UofSC SOM
<i>Early Detection of Adults At-Risk for Cognitive and Functional Decline</i>	Christy Phillips <i>Clemson University</i>	Lesley Ross (Clemson), Melissa Bailey (Prisma), John Absher (Prisma) and Peter Tilkemeier (Prisma)
<i>Emergency Medical Services (EMS) Cleaning Protocols: Efficacy of Decontamination Methods Against Bacterial Pathogens</i>	Jennifer Grier <i>USCSOMG</i> Jenny Meredith <i>Prisma Health</i>	Steven Fiester Ph.D. UofSC SOMG; Elias Wheibe, USCSOMG; Kyleigh Connolly, USCSOMG
<i>Equitability and health outcomes of telehealth supported HIV care in South Carolina</i>	Jan Ostermann <i>UofSC</i> Helmut Albrecht <i>Prisma Health</i>	Caroline Derrick, Nicole Hair, Xiaoming Li, Nabil Natafagi, Bankole Olatosi, Shawn Owens, Shan Qiao, Sharon Weissman

Health Sciences Center Research Division at Prisma Health

<i>Establishing a microRNA biomarker system to monitor cardiorespiratory fitness</i>	Kurt Barringhaus <i>Prisma Health</i> Sarah Slone <i>UofSC</i>	Victoria Yandle--PRISMA/UofSC Nursing; Consultant: Francis Spinale, UofSC
<i>Evaluation of Community Appropriateness of a Pediatric Wellness Program</i>	Kerry Sease <i>Prisma Health</i> Sarah Griffin <i>Clemson University</i>	Melissa Fair (Furman University)
<i>Expanding Community Paramedicine at Prisma Health-Upstate: The Implementation and Evaluation of Point of Care Testing on Health Care Utilization and Stakeholder Satisfaction for Chronic Disease Management</i>	Wesley Wampler <i>Prisma Health</i> Jennica Siddle <i>Prisma Health</i> Sarah Floyd <i>Clemson University</i>	Scott Gosnell, Mirinda Gormley, Alex Ewing, Ronald Pirrallo (all Co- Is are Prisma Health)
<i>Feasibility of a clinic-to-community partnership providing vouchers to promote healthy food access among SNAP families with food insecurity</i>	Elizabeth Adams <i>UofSC</i>	Dr. Kathryn Stephenson at Prisma Health, University of South Carolina (Clinical Investigator); Beverly Wilson, Executive Director of FoodShare; Carrie Draper at University of South Carolina; Dr. Elizabeth A. Steeves at University of Tennessee at Knoxville; Statistical & Data Management Core at University of South Carolina
<i>Feasibility of the CP iLink program: A novel telemedicine intervention in which community paramedics connect patients with Hepatitis C virus to treatment</i>	Mirinda Gormely <i>Prisma Health</i> Phillip Moschella <i>Prisma Health</i> Moonseong Heo <i>Clemson University</i>	Prerana Roth PRISMA Health, Susan Cordero-Romero PRISMA Health, Wesley Wampler PRISMA Health, Scott Gosnell PRISMA Health, and Jennica Siddle PRISMA Health
<i>Finger-to-Nose (FTN) Test to Improve Emergency Medical Services (EMS) Pre-Hospital Recognition of Posterior Stroke</i>	Sarah Fabiano <i>Prisma Health</i>	Daniel Schwerin, Department of Emergency Medicine; Lauren Fowler, UofSC SOM-Greenville; Zach Langston, Prisma Health-Upstate Stroke Program
<i>High-resolution real-time brain imaging system using novel CdZnTeSe semiconductor detector arrays trained with convolutional neural network</i>	Krishna Mandal <i>UofSC</i> Souvik Sen <i>USCSOMC</i>	Prof. Chris Rorden, SmartState Endowed Chair of Neuroimaging, Dept. of Psychology, UofSC, rorden@mailbox.sc.edu
<i>How Low Can You Go? Clinician Shortages and System Resilience in the Emergency Department</i>	Emily Tucker <i>Clemson University</i> Arwen Declan <i>Prisma Health</i>	Joshua Gray (Prisma); Zachary Kahler (Prisma); Jessica Hobbs (Prisma); Ben Grannan (Furman); Michael Ramsay (Prisma)
<i>Identifying predictive factors of HIV care discontinuation using clinical Natural Language Processing</i>	Chen Liang <i>UofSC</i>	Sharon Weissman, MD (Prisma)

Health Sciences Center Research Division at Prisma Health

<i>Integrating Home Virtual Home Assistant Use into Prisma Health SeniorCare PACE Participants' Care Plans</i>	Cythia Corbett <i>UofSC</i> Michael Parmer <i>Prisma Health</i>	Kate Jones, University of South Carolina; Otis Owens, University of South Carolina
<i>Intergenerational impact of adverse childhood experiences on offspring gene expression</i>	Jessica Britt <i>Prisma Health</i> Moonseong Heo <i>Clemson University</i>	Amy Crockett, MD, MPH, Prisma Health; Lauren Keenan-Devlin, PhD, NorthShore University; Ann Borders, MD, NorthShore University
<i>Investigating the Use of Exoskeletons for Reducing Musculoskeletal Injuries in Surgical Care Tasks</i>	Jackie Cha <i>Clemson University</i> Alfredo Carbonell <i>Prisma Health</i>	Anjali Joseph (Clemson University); Divya Srinivasan (Clemson University)
<i>Longitudinal assessment of the relationship between sleep, fatigue, pain, cognition and quality of life in breast cancer survivors</i>	Lauren Fowler <i>USCSOMG</i> Matt Hudson <i>Prisma Health</i>	Mark O'Rourke, Prisma Health and USCSOMG
<i>Mixed-methods Study to Evaluate and Improve Emergency Department Handoffs Based on Stakeholder Experience</i>	Sudeep Hegde <i>Clemson University</i> Ronald Pirrallo <i>Prisma Health</i>	Kevin Taaffe, Clemson University; Steven Foster, Clemson University
<i>Molecular mechanisms of cancer metastasis and new strategies for treatment</i>	Luigi Boccutto <i>Clemson University</i> Jeffery Edenfield <i>Prisma Health</i>	Diana Ivankovic, Clemson University; Ki Chung, Prisma Health
<i>Ostomy Nursing Care Tasks and Patient Outcomes: Pilot Study</i>	Melinda Harman <i>Clemson University</i> Casey Hopkins <i>Clemson University</i>	Abby Washburn, BSN, RN, CWOCN; Elizabeth Dray, MD; Yuliya Yurko, MD, FASCRS
<i>Precise taxonomic profiling of the postmenopausal urothelium microbiome associated with recurrent urinary tract infections towards informed probiotic design</i>	Vincent Richards <i>Clemson University</i> Kimberly Burges <i>Prisma Health</i>	
<i>Preventing Falls among Older Adults in Upstate South Carolina through Hospital Emergency Department Screenings, Referrals & Follow-up</i>	Brandi Crowe <i>Clemson University</i> Arwen Declan <i>Prisma Health</i>	Marieke Van Puymbroeck, PhD, CTRS (Clemson University); Karen Kemper, MSPH, PhD (Clemson University); Bill Chiles, MD (Prisma Health-Upstate); Nathan Hudepohl, MD (Prisma Health-Upstate); Michael Ramsay, MD (Prisma Health-Upstate); and Alex Ewing, PhD (Prisma Health-Upstate)
<i>Project GROW - An Outreach Program to Improve Lung Cancer Screening in Rural Communities</i>	Sarah Tomashefski <i>Prisma Health</i> Tracy Fasolino <i>Clemson University</i>	Whitley Redfearn (Prisma), Jessica Lamb (Prisma), Azim Surka (Prisma), Joe Bible (Clemson)

Health Sciences Center Research Division at Prisma Health

<i>Quantification of Plantar Pressure and Diabetic Foot Ulcer Healing Metrics to Evaluate Treatment Strategies</i>	Jordan Gilmore <i>Prisma Health</i> Joel Kidd <i>Clemson University</i>	Dr. John DesJardins - <i>Clemson University</i>
<i>Transcription profiling of non-coding RNA alternative splicing</i>	Congyue Peng <i>Clemson University</i> Ki Chung <i>Prisma Health</i>	Liangjiang Wang, <i>Clemson University</i>
<i>Uncovering fatigue mechanisms with cancer treatment: mitochondrial capacity and correlated molecular changes in breast cancer patients undergoing comparative chemotherapy regimens</i>	Jennifer Trilk <i>USCSOMG</i> Larry Gluck <i>Prisma Health</i>	Randolph Hutchison PhD (<i>Furman</i>), Renee Chosed PhD (<i>UofSC</i>), Carla Jorgensen MD (<i>Prisma</i>), Joe Stevenson MD (<i>Prisma</i>), Jeff Edenfield MD (<i>Prisma</i>)
<i>Using CGM technology to assess acute impact of food insufficiency and food insecurity on glycemic control in persons with youth-onset type 1 and type 2 diabetes</i>	Angela Liese <i>UofSC</i>	Elaine Apperson (<i>Prisma Health Upstate</i>), Lisa Knight (<i>Prisma Health Midlands</i>), Caroline Rudisill (<i>UofSC</i>), Jay Mendoza (<i>University of Washington</i>); Ann Blair Kennedy, <i>University of South Carolina School of Medicine Greenville (USCSOMG)</i>
<i>Using Data to Drive Implementation - Stakeholder Perspectives on Screening and Addressing Social Determinants of Health at Prisma Health</i>	Caroline Rudisill <i>UofSC</i> Meredith Eicken <i>Prisma Health</i>	Darin Thomas, MSW, MBA (<i>Prisma Health</i>); Stella Self, PhD (<i>Arnold School of Public Health, Univ of SC</i>); Mark Macuada, PhD (<i>Arnold School of Public Health, Univ of SC</i>); Deeksha Gupta, MA (student, <i>Arnold School of Public Health, Univ of SC</i>); Jackson Hartley (student, <i>School of Medicine Greenville, Univ of SC</i>); Ann Blair Kennedy, PhD (<i>School of Medicine Greenville, Univ of SC</i>)