

Health Sciences Center Research Division at Prisma Health

2020 Health Sciences Center Seed Grants

Presented by Title in Alphabetical Order

Transformative Seed Grant Awardees

Assessment of a Personalized Opioid Discharge Prescribing Guideline on Episode Opioid Utilization, Pain Management and Patient-Reported Outcomes **Sarah Bauer Floyd, PhD, MPH**
University of South Carolina

Jeremy Warren, MD
Department of Surgery

Changes in Exosomal Urinary MicroRNA Expression in Obese Children as an Early Biomarker for Chronic Kidney Disease **Sudha Garimella, MD**
Department of Pediatrics

Alyssa Clay-Gilmour, PhD
University of South Carolina

A Data-Driven, Stakeholder-Sensitive Modeling Approach to Allocating Resources in Emergency Departments

Kevin Taaffe, PhD
Clemson University

Ronald Pirralo, MD, MHSA
Department of Emergency Medicine

Development and Testing of an Automatic Lengthening for Improved Ambulation in Lower-Limb Amputees

John DesJardins, PhD
Clemson University

Alan Hippensteal, MD
Department of Physical Medicine & Rehabilitation

Development of a Fatigue Risk Management Assessment for Emergency Department Physicians at Greenville Memorial Hospital

Emily Hirsh, MD
Department of Emergency Medicine

Lauren A. Fowler, PhD
UofSC- School of Medicine Greenville

Enhancing Pregnancy Success via Molecular Screening of IVF-Generated Embryos

Renee Chosed, PhD
UofSC- School of Medicine Greenville

Lisa Green, MD, MPH, FACOG
Department of Obstetrics and Gynecology

Health Sciences Center Research Division at Prisma Health

Evaluation of policies limiting opioid exposure and their downstream effects on persistent opioid use and misuse, hospital costs, and patient pain and satisfaction

Lior Rennert, PhD
Clemson University

Kevin Walker, MD
Department of Internal Medicine

Alain Litwin, MD
Department of Internal Medicine

Feasibility Study to Measure Stress in Infants with Neonatal Opioid Withdrawal Syndrome

Rachel Mayo, PhD
Clemson University

Jennifer Hudson, MD
Department of Pediatrics

Glycomic Profiling of Patient Samples to Enhance Cancer Patient Database and Optimize Disease Diagnosis and Treatment

Anna Blenda, PhD
UofSC- School of Medicine
Greenville

Jeffery Edenfield, MD
Cancer Institute

Impact of transfusing packed red blood cells through a rapid infuser on potassium levels

John Cull, MD
Department of Surgery

John Whitcomb, PhD
Clemson University

Implications of enterotoxin modulation on the immune response to bacteria

Steven E. Fiester, PhD
UofSC- School of Medicine
Greenville

Robert O. Rainer, MD
Department of Pathology

Improved Stroke Clinical Outcomes Measures with Motion Capture and Muscle Excitation Application for Improvements in Patient Rehabilitation

John DesJardins, PhD
Clemson University

Elizabeth DuBose, DPT, CBIS
Inpatient Rehabilitation, Prisma
Health

Increasing conversations about end-of-life (EOL) planning for culturally, racially, and ethnically diverse (CRED) older adults in Appalachia, SC

Lucia Gonzales, PhD, PD
Clemson University

Saria Saccocio, MD
Department of Family Medicine

Teny Henry Gomez, MD
Department of Internal Medicine

Zahra Rahemi, PhD
Clemson University

Health Sciences Center Research Division at Prisma Health

Integrating a Healthy Lifestyle Curriculum into Midlands Healthy Start Program for Low Income Pregnant and Postpartum Women in South Carolina

Jihong Liu, ScD
University of South Carolina

Sara Wilcox, PhD
University of South Carolina

Medical Legal Partnership: A qualitative assessment of the long-term impacts of addressing patient health harming legal needs

Kristy Maher, PhD
Furman University

Kerry Sease, MD
Bradshaw Institute for Community Child Health & Advocacy, Prisma Health- Upstate

Novel MRI Contrast Agents for Traumatic Brain Injury and Cardiovascular Imaging

Olin Mefford, PhD
Clemson University

John Absher, MD
Department of Neurology

Revealing Genetic Origin of Opioid Addiction: Pilot Study to Enable Large Scale Investigation of Genetic Variants Linked with Opioid Addiction and Development of Standard Testing Kit for Precision Administration of Analgesics

William R. Hand, MD, FASA
Department of Anesthesiology

Emil Alexov, PhD
Clemson University

The Role of the Medical Student and Student Notes within the Emergency Medicine Team

E. Page Bridges, MD
Department of Emergency Medicine

Jessica Suave-Syed, PhD
Furman University

Seminal Prostaglandins and Sperm Motility: Biomarkers of Male Reproductive Health

Blake Wynia, MD
Department of Urology

William E. Roudebush, PhD
UofSC- School of Medicine Greenville

Ultrasound Luminescent Chemical Imaging: A novel tool for early detection of implant related infection

Sriparna Bhattaharya, PhD
Clemson University

Jeffery Anker, PhD
Clemson University

Thomas Pace, MD
Department of Orthopaedics

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Usability Assessment of Patient-Centric Mobile Health Application for Patient Self-Management and Enhanced Patient-Caregiver-Provider Communication of Heart Failure

Sabarish V. Babu, PhD
Clemson University

Dev Vaz, MD, FACC
Cardiology, Prisma Health

Jason Guichard, MD, PhD
Cardiology, Prisma Health

The Use of Smartphone Technology to Supervise Exercise Therapy in Patients with Peripheral Artery Disease

Sagar S. Gandhi, MD, FACS
Department of Surgery

Corey A. Kalbaugh, PhD
Clemson University

Using Mixed Methods to Explore the Experiences of Underrepresented Minority Resident and Fellow Physicians in the Clinical Learning Environment and Develop a Supportive Community-Building Intervention to Improve Sense of Belonging

Angelica Perez, PhD
Clemson University

Russ Kolarik, MD
Department of Pediatrics

Scott Porter, MD
Department of Orthopaedics

Cancer Care Delivery Research Seed Grant Awardees

Evaluate and Improve Lung Cancer Screening Program at PRISMA Health: A Pilot Study

Lu Zhang, PhD
Clemson University

Regina Franco, MD
Oncology, Prisma Health- Upstate

Implementation of a Prospective Surveillance Rehabilitation Model for Women with Breast Cancer- A Randomized Controlled Trial

Shana Harrington, PT, PhD
University of South Carolina

Harris Parker, MD, FACS
Surgery, Prisma Health- Midlands