**2019 Transformative Seed Grant Awards**

*Biomarkers of Adverse Reaction to Surgical Implants: Proof-of-Concept*

**Thomas Wheeler, MD**

Department of Obstetrics and Gynecology

**Melissa Moss, PhD**

USC

*Comparative Effectiveness of Surgical Treatment versus Conservative Management for Proximal Humerus Fracture: Evidence to Guide Clinical Decision-Making*

**Mike Kissenberth, MD**

Department of Orthopaedics

**Sarah Floyd, PhD**

USC

*Development of psychophysiological affective test battery for evaluation of emotional reactivity in children with autism spectrum disorder*

**Desmond P. Kelly, MD**

Department of Pediatrics

**Estate M. Sokhadze, PhD**

USCSOMG

*Innovative Teaching and Learning: Key Metrics of an Undergraduate Nursing Academic and Clinical Learning Environments*

**Lori Stanley, DNP**

Chief Nursing Officer

**John Whitcomb, PhD**

Clemson University

*Development of a Virtual Reality Experience to Enhance Empathy in Pre-Clinical Medical Students.*

**Shannon Stark Taylor, MD**

Department of Family Medicine

**Ann Blair Kennedy, DrPH**

USCSOMG

*Evaluating the Clinical and Molecular Epidemiology of Klebsiella spp. Infections in the Upstate Region of South Carolina*

**Bill J. Kelly, MD**

Department of Internal Medicine

**Melissa Nolan, PhD**

USC, Arnold School of Public Health

*Evaluating the Effectiveness of a Mobile Application to Assist patients in communicating  
with their Rheumatologist and Managing their Rheumatoid Arthritis*

**Gulzar Merchant, MD**

Department of Medicine

**Melanie Cozad, PhD**

USC

*Forehead temperature-regulating device for insomnia in children with ADHD: a pilot study*

**Jonathan Hintze, MD**

Department of Pediatrics

**Goutam Koley, PhD**

Clemson University

*Identifying Risk Factors and Barriers to Substance Use Disorder Recovery*

**Prerana Roth, MD**

Department of Internal Medicine

**Kaileigh Byrne, PhD**

Clemson University

*Stroke Outcome Optimization Project (SOOP): Using Clinical Data, Prospective Assessment, Advanced Imaging and Machine Learning to Understand and Optimize Stroke Recovery*

**John R. Absher, MD, FAAN**

Department of Neurology

**Chris Rorden, PhD**

USC

*Feasibility, acceptability, and preliminary efficacy of a cognitive behavioral therapy for opioid use disorder*

**Alain Litwin, MD**

Department of Medicine

**Irene Pericot-Valverde, PhD**

Clemson University

*The Impact of Remote Telepresence on Interprofessional Healthcare Team Collaboration and Satisfaction*

**Kenneth Becker, MD**

Department of Family Medicine

**Janice Lanham, RN, MS, CNS, FNP**

Clemson University

*The Use of Patient-Specific 3D Printed Anatomic Models in Pre-Operative Planning and Patient Engagement to Improve Hip Arthroscopy Outcomes*

**Jason Folk, MD**

Department of Orthopaedics

**John DesJardins, PhD**

Clemson University

*Understanding the perspectives and needs of African-American and Latino caregivers of persons with Alzheimer’s Disease in Upstate South Carolina*

**Melissa Bailey-Taylor, DO, MPH**

Department of Geriatrics

**Nicole Davis, PhD, APRN**

Clemson University

*Utilization of ovarian inflammation markers as predictors of IVF success*

**Lisa Green, MD**

Department of Obstetrics and Gynecology

**Hollie LaVoie, PhD**

USCSOM

**2019 Cancer Care Delivery Research Awards**

*A Longitudinal Study to Assess the Efficacy of Virtual Reality for Pain and Anxiety Management in Autologous and Allogeneic Stem Cell Transplant Patients.*

**Elizabeth Cull, MD**

Department of Medicine

**Laura Stanley, PhD**

Clemson University

*Decision Aid Implementation and Evaluation for Colorectal Cancer Screening in a Primary Care Setting*

**Meenu Jindal, MD**

Department of Medicine

**Melanie Cozad, PhD**

USC

**2019 Diabetes Seed Grant Awards**

*The Effects of Resistance Exercise on Post-prandial Glycemic Control in Obese or Elderly Patients with Type 2 Diabetes: A Pilot Study*

**Stephen Franks, DNP**

Department of Medicine

**Kim Pickett, PhD**

Clemson University

*Health outcomes, utilization and costs for GHS employees related to participation in diabetes-related programs*

**Kris Leo, NP**

Department of Medicine

**Caroline Rudisill, PhD**

USC, Arnold School of Public Health

**2019 Enhancing the Practice of Medicine Seed Grant Awards**

*The Clinic of Tomorrow: Creating Patient Centered Clinical Experience Utilizing Novel Technology and Communication*

**Stephen Carek, MD**

Department of Family Medicine

**Ann Blair Kennedy, DrPH**

USCSOMG

*Examining the relationship between burnout, teaching, and meaning in the clinical learning environment: a mixed-methods study*

**Molly Benedum, MD**

Department of Family Medicine

**Ann Blair Kennedy, DrPH**

USCSOMG