

HEALTH SCIENCES CENTER AT PRISMA HEALTH SEED GRANT AWARDEES 2021

PI(s)	Co-Investigator(s)	TITLE
Jennifer T. Grier; Brooks McPhail	Julie Linton M.D, Prisma Health; Roy Bowers Ph.D., Furman University; Ann Blair Kennedy LMT, BCTMB, DrPH, USCSOMG; Nicholas Potisek, MD	Community Health and Health Disparities in Pediatric Respiratory Virus Infections with SARS-CoV-2 and RSV in Upstate South Carolina
Anna Blenda; Jeffery Edenfield	Connie Arthur, Emory University SOM; Julie Martin, Prisma Health; Larry Gluck, Prisma Health	Glycomic profiling of tumor and surrounding normal tissue of breast cancer patients to improve accuracy of staging and prognosis
Jennifer T. Grier; Jenny Meredith	Steven Fiester, University of South Carolina - SOMG	Interferon-Independent Immune Contributions of IFI44 and IFIT3 to SARS-CoV-2 Clinical Complications
John Joseph O'Connell, M.D.; Brian Booth, PhD	W. Jeffery Edenfield, MD, Prisma Health; Jonathan Stenbeck, Prisma Health; Julie Martin, DNP, Prisma Health; and Jason Henderson, Quiverent LLC	Optimization of Oscillating Electric Field (OEF) Delivery in Tissue Culture with the Goal of More Safely and Effectively Eradicating Deposits of Metastatic Cancer in Combination with Other Proven Cancer Therapies
Sara Sarasua, PhD; Luigi Boccuto, MD	Jessica Klusek, PhD, University of South Carolina; Nancy Powers, MD, Prisma Health	Pilot Study to Classify and Quantify Language Delay and Genetic Contributions in Phelan-McDermid Syndrome
Melanie Cozad, PhD; Ronnie D. Horner, PhD	Matthew F Hudson, PhD (Prisma Health); Joe Stephenson, MD (Prisma Health); Anne Blair Kennedy, PhD (University of South Carolina-SOMG)	Educating and Enabling Patients in Shared Decision-making for Metastatic Breast Cancer through mHealth technology
Nabil Natafqi; Phyllis MacGilvray	Shaniece Criss, ScD (Furman-CoI); Karen Kemper, PhD (Clemson-Col); Shannon Taylor, MD (Prisma-CoI); Daniela Friedman, PhD (USC-CoI)	A Platform to Enhance Teach-back methods in virtual care visits (POTENTIAL): Building the capacity of medical residents to improve health literacy of patients with chronic conditions

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Lesley Ross	Melissa Bailey (PRISMA Health); Alain Litwin (PRISMA Health); Paige Rodeghero (Clemson); Winifred Elyse Newman (Clemson)	An Ecologically-valid Monitoring of Everyday Function App
John Cull; John Whitcomb	Dustin Morrow (Prisma Health); Hudson Smith (Clemson)	Automated Quality Assessment of FAST Exams
Caroline Rudisill; Meredith Eicken	Stella Self (Arnold School of Public Health, Univ of SC); John Supra (CCI and Prisma Health); Darin Thomas (Prisma Health)	Bringing together research and operational priorities - evaluation of a technology and EMR-based strategy to screen for and intervene on Social Determinants of Health (SDoH)-related needs at Prisma Health (pilot study)
Jeffrey Anker; Philip Moschella, MD PhD; Ron Pirrallo, MD., MHSA); Jeremy Tzeng, PhD	Richard Hodinka, USCSOM	Buoyant and Magnetic (BAM) Assays for On Site Sensitive Rapid Diagnostics of Peritoneal Infection
Chen Liang; Christina Andrews	Timothy McHenry (Prisma); Alain Litwin (USC, Clemson, Prisma); Nicholas Perkins (Prisma); Alex Ewing (Prisma); Kevin Lu (USC); Arwen Declan; Philip Moschella	Deep Learning Assisted Opioid Use Disorder Diagnosis Using EHR data
Alain Litwin, MD; Irene Pericot-Valverde and Kaileigh Byrne		Effects of an integrated intervention involving cognitive behavioral therapy + recovery coaching on neurocognitive and neurophysiological responses among individuals with opioid use disorder receiving medications for opioid use disorder
Phillip Moschella, MD; Alain Litwin, MD	Helmut Albrecht, MD; Ronald Pirrallo, MD; Jeffrey Edenfield, MD; Julie Martin, DNP; & Smitty Heavner-Sullivan	Establishment of the Prisma Health COVID-19 Biorepository

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Sarah Archino; Joy Shen-Wagner, MD		Impact analysis of Visual Literacy training on improved patient-centered outcomes in telehealth settings: reducing medical error by targeting skills of observation, communication, empathy, and ambiguity tolerance
Greg Matthews; Lu Zhang	A. Michael Devane, Prisma Health; Mark O'Rourke, Prisma Health; Steven Trocha, Prisma Health; Wesley Jones, Prisma Health	Impact of Sarcopenia as Assessed by CT on the Outcomes of Cancer Patients Undergoing Treatment
Benjamin Grant, PhD; Peter Tilkemeier, M.D., MMM, FACC, FAHA, FASNC	Melanie Bryant Connah, MD; Jennifer Rice, DNP, APRN, FNP-BC; Phil Thomas, DO	Improving Health and Healthcare Equity through System Analytics
Ronald Pirrallo; Jennifer T. Grier	Thomas Britt, PhD, Clemson University; Lauren Fowler, PhD, UofSC SOMG	In Search of Early COVID-19 Exposure and Risks in Emergency Healthcare Workers - November 2019 to March 2020
Alexey Vertegel; Alfredo Carbonell, DO	Beth Smith (Prisma), Yuliya Yurko (Prisma), Jeremy Tzeng (Clemson)	Protective film-forming disinfectant based on chitosan/water/ethanol tertiary solutions
Tugce Isik; Kevin Taaffe	Kevin Taaffe (Clemson University); Yongjia Song (Clemson University); William Hand (Prisma Health)	Risk-Based Staffing for Effective Pandemic Response
Chen Liang	Nabil Natafqi (USC); Ann Blair Kennedy (USC, Prisma); Alex Ewing (Prisma); Nicholas Perkins (Prisma)	Towards Personalized Discharge Summaries for Reducing Medication-related Harm
Dr. Tracy Brock Lowe, PhD, RN; Dr. Jane DeLuca, PhD, RN, CPNP	Dr. Jessica Boyd, MD - Prisma Health; Dr. Amanda K. Taylor, DNP, MHA, RN, NE-BC - Prisma Health; Jill Hitt, RN, BSN - Prisma Health	Translational Science for Newborn Screening: Understanding Health Systems Infrastructure Guiding the Newborn Screening Process

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Sudeep Hegde, PhD; John Absher, MD	Grigori Yourganov, PhD, Clemson University; Asher Antao, Clemson University; Linh Ngo, PhD, Clemson University	User-Centered Interface Design for Neuroimaging Research and Training in a High-Performance Computing Environment
Casey Fiocchi; Michelle Stancil	John Bruch MD- Prisma Health; Jenn Turner MSN RN- Prisma Health; Ronald Gimbel PhD- Clemson University (pending or other Clemson University Partner)	Improving glycemic control through expansion of personal continuous glucose monitors into primary care practice
Luigi Boccutto; W. Jeffery Edenfield	Diana Ivankovic, Clemson University; Ki Chung, Prisma Health	Metabolic profiling of breast cancer cells and new treatment approaches.