VCU Accelerate projects and recipients listed by primary ONE VCU Research initiative

**Enriching the Human Experience**

“Engaging Parents in After-School STEM Projects”
Yaoying Xu, Ph.D., School of Education; Katherine Dabney, Ph.D., School of Education; Moe Greene, Ph.D., School of Education

“Planning Grant To Found the VCU Center for Arts And Humanities in Health Care”
Aaron Anderson, Ph.D., School of the Arts; Christiana Lafazani, School of the Arts; Cristina Stanciu, Ph.D., College of Humanities and Sciences

**Achieving a Just and Equitable Society**

“Career Pathways for Minority Underrepresented Adult Learners in Computing (CAREPATH MURAL)”
Katherine Hansen, School of Education; David Shepherd, Ph.D., College of Engineering

“Promoting Student Engagement in Anti-Racist Activities: Evaluation of CSIJ 200”
Nao Hagiwara, Ph.D., College of Humanities and Sciences; Mignonne Guy, Ph.D., College of Humanities and Sciences

**Optimizing Health**

“Discovering Treatment Targets in the Lung-Brain Inflammatory Axis in a Pre-Clinical Model of Acute Lung Injury”
Rebecca Heise, Ph.D., College of Engineering; Dong Sun, M.D., Ph.D., College of Engineering

“Energy Transduction in Type IV Pilus Biogenesis”
Michael Donnenberg, M.D., School of Medicine; Montserrat Samsó, Ph.D., School of Medicine

“Exploring New Biological Targets To Combat Psychostimulant Use Disorder”
Jose Eltit, Ph.D., School of Medicine; Matthew Banks, Ph.D., School of Medicine

“Sphingosine Kinase 2 in Sexual Dimorphism of Hepatocellular Carcinoma”
Christopher Green, Ph.D., School of Medicine; Mikhail Dozmorov, Ph.D., School of Medicine; Sarah Spiegel, Ph.D., School of Medicine

**Supporting Sustainable Energy and Environments**

“Experiments and Modeling of the Immune Response and Energy Dynamics in Corals”
Nastassja Lewinski, Ph.D., College of Engineering; Angela Reynolds, Ph.D., College of Humanities and Sciences; Rebecca Segal, Ph.D., College of Humanities and Sciences

“Multi-Objective Optimization of Inlet Nozzle Design Using Artificial Intelligence for Single Tank Thermal Energy Storage”
Lane Carasik, Ph.D., College of Engineering; Alberto Cano, Ph.D., College of Engineering
“Seeking Sustainability in a High-Risk Environment: Cultural Niche Construction on El Hierro, Canary Islands, Spain”
Christopher Stevenson, Ph.D., College of Humanities and Sciences; Amy Rector, Ph.D., College of Humanities and Sciences; Mar Góngora Davis, Ph.D., College of Humanities and Sciences