FY2020 ORED Small Grant Program Awardees
Area A
Physical and Biological Sciences, Mathematics and Engineering

Elroy Aguiar, Kinesiology
Walking to the beat of your own heart: The development of cadence (steps/min) thresholds associated with moderate to vigorous heart rate intensity

Andre Denham, Educational Leadership, Policy, and Technology Studies
Improving Mental Rotation Training through Embodied Digital Game Play

Ryan Early, Biological Sciences
Validating a non-invasive method for estimating abundance in threatened or cryptic marine animals

Amy Ellis, Human Nutrition
Assessment of Dietary Intake and Oxidative Stress in Parkinson’s disease

Sergei Gleyser, Physics and Astronomy
Searching for Physics Beyond the Standard Model with Deep Learning at the Large Hadron Collider with the CMS Experiment

James Harris, Chemical and Biological Engineering
Selective catalysis via encapsulated metal nanoparticles

Adam Hauser, Physics and Astronomy
Composite Armor Layer System for Broad Spectrum Energy Mitigation

Conor Henderson, Physics and Astronomy
Probing the Standard Model at the LHC

Kenneth Hoadley, Biological Sciences
Towards understanding the functional ecology of newly discovered Apicomplexan symbionts within reef corals

Seongsin (Margaret) Kim, Electrical and Computer Engineering
Chip-Scale Miniature Polarimetry for Pharmaceutical and Bio-Sensing

Yonghyun Kim, Chemical and Biological Engineering
Role of Nitric Oxide in the Perivascular and Hypoxic Microenvironments of Brain Tumors

Patrick Kung, Electrical and Computer Engineering
Memristive Devices Based on 2D Materials and Heterostructures for Neuromorphic Applications

Jason Pienaar, Biological Sciences
Coevolution of Desiccation Resistance between Water Bears and their Moss Hosts
FY2020 ORED Small Grant Program Awardees
Area B
Social and Behavioral Sciences

Yusuf Akamoglu, Special Education and Multiple Abilities
Internet-based Parent-Implemented Early Communication Intervention-Storybook (i-PiECS)

Tracy Barlett, Nursing
Focus Groups to Inform HOPE Intervention

Catherine Carlson, Social Work
Promoting Resilience for Survivors of Trafficking: Evaluating a Yoga-Based Approach in Kampala, Uganda

Nicholas Davis, Political Science
Profiling norm-breaking receptivity

Darrin Griffin, Communication Studies
Evaluation of Beginner Sign Language Through Virtual Reality

Caitlin Hudac, Psychology
Social attention in ASD and SAD

Jared Margulies, Geography
A pilot study of elephant conservation corridors and their social impacts in South India

Ian McDonough, Psychology
Predictiveness of Baseline Brain Activity to Cognitive Decline in Adults at Risk for Alzheimer's Disease

Bharat Mehra, College of Communication and Information Science
An Exploratory Assessment of the Role of Alabama’s Public Libraries to Address the Opioid Crisis

June Preast, Educational Studies in Psychology, Research Methodology, and Counseling
Examining Teacher Interactions during Grade-Level Team Meetings

Sonya Pritzker, Anthropology
Embodied Moral Laboratories: Transhumanist and Biohacking Communities in the U.S. and China

Andrea Sartain, Nursing
Does Quizzing in Baccalaureate Nursing Education Impact NCLEX-RN Success?

Xiao Tong, Human Environmental Sciences
Retail Apocalypse’s Impacts and Opportunities for Local Retailers

Regina Wagner, Political Science
Partisan Patterns, Electoral Shifts: Gubernatorial Elections in the U.S., 1912 - 2018
Mary Bailey, Music
*New Music for Woodwind Trio*

Franklin DeCelle, Theatre and Dance
*The Art of Stagecraft*

Jennifer Feltman, Art and Art History
*Preserving Notre-Dame de Paris: A 3D Study of the Central Portal's Polychromed Sculptures*

Daniel Novak, English
*Photography on the Victorian Stage*

Albert Pionke, English
*JS Mill in the Margins of his Contemporaries*

Alvon Reed, Theatre and Dance
*Hattie Mae's Juke Joint*

Pete Schulte, Art and Art History
*Slow Train Comin'*

Damion Waymer, Communication and Information Sciences
*Exploring Ways to Increase the Number of African American Students Pursuing Graduate Degrees in Communication*