**2019-2020 URC Supply Grant Winners**

**Presenter/s**: Ebrima Marong, Richael Wiafe

**Abstract Title:** Modeling and Simulation of Multi-Mode Optical Fiber Propagation

**Presentation Time and Location**:

**Presenter/s**: Melissa Schneider

**Abstract Title:** Evaluating the Effects of a Stimulus Equivalence Protocol to Teach Bullying Identification to Young Children

**Presentation Time and Location**:

**Presenter/s**: Isiah Rabata

**Abstract Title:** Thyroid Hormone affects RDH1 Expression in Brown Adipose Tissue

**Presentation Time and Location**:

**Presenter/s**: Mckenna Coulter

**Abstract Title:** Effect of epinephrine in retinoic acid synthesis in brown adipose tissue

**Presentation Time and Location**:

**Presenter/s**: Mary Klein

**Abstract Title:** Verification of Metabolic Activity in Dormant Cultures of Mycobacterium avium subsp. paratuberculosis

**Presentation Time and Location**:

**Presenter/s**: Nicholas Madge, Derek Boes, Wesley Thompson

**Abstract Title:** Monitoring the Queen Bee Through Radio-Frequency Identification Tagging

**Presentation Time and Location**:

**Presenter/s**: Olivia Olynick

**Abstract Title:** Implementing Tootling in an After-School Program for Elementary-Aged Students

**Presentation Time and Location**:

**Presenter/s**: Nadya Sher

**Abstract Title:** Scanning Electron Microscopic Analysis of the Adherens Junctions of Metastatic Cells

**Presentation Time and Location**:

**Presenter/s**: Savannah Spencer, Kristin Knowles

**Abstract Title:** Importance of testosterone, estradiol, and dihydrotestosterone in neurogenesis

**Presentation Time and Location**:

**Presenter/s**: Nicholas Linnell

**Abstract Title:** Examining and Experiencing Installation Artwork through Sensation and Perception

**Presentation Time and Location**:

**Presenter/s**: Andrew Van Ravenswaay

**Abstract Title:** Is the National Debt Stunting GDP Growth?

**Presentation Time and Location**:

**Presenter/s**: Marissa Swenson, Oceanna Valenta

**Abstract Title:** Overproduction of IGF1 and Diabetes-Like Eye Disease

**Presentation Time and Location**:

**Presenter/s**: Abdelrahman Elkhatib, Jayson Treml

**Abstract Title:** Internet of Things (IoT) Based Solution to Gather Foot Plantar Pressure for Daily Life Activities and Medical Healthcare

**Presentation Time and Location**:

**Presenter/s**: McKenzie Specht, Melanie Schmitt, Alexandria Fieseler, Linda Zheng

**Abstract Title:** Effects of Maladaptive Interpersonal Schemas on College Students' Relationships

**Presentation Time and Location**:

**Presenter/s**: Sarah Demsky, Brook Ford, Alexander Arcuri

**Abstract Title:** Remote Beehive Monitoring Using Sensors

**Presentation Time and Location**:

**Presenter/s**: Molly Olson

**Abstract Title:** Behavioral and kinematic differences between land stranded amphibious Kryptolebais marmoratus and fully aquatic Poecilia reticulata

**Presentation Time and Location**:

**Presenter/s**: Nicholas Nietzke, Adam Krause, Lukas Smith

**Abstract Title:** Retrofitting an Engine Dynamometer for Small Engine Emissions Testing

**Presentation Time and Location**:

**Presenter/s**: Mio Yoshizaki

**Abstract Title:** Body Celebration: A Dance Film Featuring Body Positivity

**Presentation Time and Location**:

**Presenter/s**: Spencer Conden, Erik Brunner

**Abstract Title:** Integration of Drive-By-Wire and Traction/Launch Control into a Formula SAE Vehicle

**Presentation Time and Location**:

**Presenter/s**: Hunter Herber

**Abstract Title:** MicroRNA Regulation of APOBEC3H, An HIV Restricting Human Enzyme

**Presentation Time and Location**:

**Presenter/s**: Rebecca Horak, Cole Parkins

**Abstract Title:** Cycling Efficiency Interface

**Presentation Time and Location**:

**Presenter/s**: Raina Kor

**Abstract Title:** “I’m a Total People Person”: Detecting Deception in Employment Interviews

**Presentation Time and Location**: