Poster Presentations

4:45 – 5:45 p.m. WFIC Atrium

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<td>Efficacy of a Peer Tutoring Application for Word Reading for Early Elementary Students in a Rural High-Poverty School</td>
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<td>Agnes Nagy Mehesz</td>
<td>The Cell, Tissue and Molecular Analysis Core of the South Carolina Bioengineering Center of Regeneration and Formation of Tissues</td>
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<td>Amanda Moore</td>
<td>Impacting Population Health Management through Social Media Listening</td>
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<td>Ann Foley PhD</td>
<td>The role of Map kinases in differentiation of the SAN</td>
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<td>Christopher Flathmann</td>
<td>Using Human-Agent Teams to Purposefully Design Multi-Agent Teams</td>
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<td>Christopher Saski</td>
<td>The EccDNA Replicon - A self-replicating, extra-nuclear vehicle driving gene amplification and rapid adaptive evolution</td>
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<td>Christopher Weber</td>
<td>An active collaboration between faculty and Research Safety to evaluate green chemistry and safety from the bench to the institutional level</td>
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<td>Dave Lamie</td>
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Agency and Organizational Readiness for Addressing Farmer Mental Health Issues

Fei Peng
Development and validation of embedded microstrain sensor array for in vivo characterization of contact stress distribution in hip replacement

Hai Yao
SC TRIMH COBRE Multi-Scale Computational Modeling Core South Carolina Translational Research Improving Musculoskeletal Health

Heide S. Temples
DNA Methylation As A Potential Epigenetic Mechanism In The Reduction Of Risk For Obesity With Human Milk The First Years Of Life

Jennifer Mason
The FBH1 helicase prevents RAD51-mediated genome instability in human cells

Jiro Nagatomi
Differential response of nucleus pulposus and annulus fibrosus cells exposed to hydrostatic pressure

Katherine Weisensee
3D Methods to Quantify Craniofacial Variation in Disease GIS Application for Building a Nationally Representative Forensic Taphonomy Database

Kimberly Paul
The Host is a Harsh Mistress: Fatty Acid Metabolism and Host Adaptation in African Trypanosomes

Laine Mears
NSF THINKER: A New National Model for Integrated Education

Luke J. Rapa
Critical Consciousness in Preadolescents: Advancing Theory and Measurement

Mary Ellen Wright

Mothers with Addiction and Recovery

Matthew Krugh

Associate Finger Engagement During Manual Assembly in Automotive Production for Smart Wearable Systems

Enabling Data Generation in Data Deserts through Digital Manufacturing Evaluation of wearable visual assistance system for manual automotive assembly

Wearable sensor human-process interaction activity detection for manual automotive assembly

Meihua Qian

Assessing Creativity: Exploring the Relationships among Self-assessment, Teacher Ratings and Divergent Thinking Tests

Melinda Harman

Predictive Modeling of Soft Tissue Conditions during Total Knee Replacement

Omar Alsanusi Amer

Experimental Investigation of Cement Alternatives for Use in Cement-Treated Base Soils

Paul Meza-Morales

Force Field for CH3OH-Pt(111) Interaction: Development and Assessment

Prasada Rangaraju

Effect of Nucleating Agents on Hydration Behavior and Microstructure Development in Portland Cement and Geopolymer Systems

Enhancing the Properties of Portland Cement Concrete through Use of Sustainable Modified Biosilica

Robert A. Latour
Robert M. O'Hara  
SC BioCRAFT Bioengineering and Bioimaging (B&B) Core

Sara Sarasua  
THINKER EDU: Assessment of a new Graduate Program

Shanna Hirsch  
Genotype, Phenotype, and Metabolic Profiling in Phelan-McDermid Syndrome

Srikanth Pilla  
Active Versus Passive Responses in Multimedia-based Instruction

Susan Chapman  
Enabling Industry 4.0 to Enhance Composites Manufacturing

Susan Duckett  
Deciphering the Triggering Mechanism of Ankylosing Spondylitis

Tom O'Halloran  
Identification of miRNA regulating skeletal muscle growth from before birth to maturity

Tong Ye  
Measuring water and greenhouse gas fluxes in forestry and bioenergy projects

Tracy Arwood  
A Non-labeling Chondrocyte Viability Assay Based on Two-Photon Autofluorescence Imaging

Will Richardson  
Research Compliance and Safety

Yongren Wu  
Matrix-Protease Network Model for Predicting Tissue Healing

Effect of Cigarette Smoke Exposure on Intervertebral Disc Degeneration: A Rat Model