Three Minute Thesis Competition
First-Round Heat #1
Tuesday, Nov. 7, 2023, 9:00AM

Judges:

Rachel Ball-Phillips, Director of Graduate Fellowships and Awards, Moody School of Graduate and Advanced Studies

Brandon Miller, Assistant Dean, University Honors Program and Fellowships

Rob Pearson, Director of Career Development and Postdoctoral Affairs, Moody School of Graduate and Advanced Studies

Competitors:

Jenny Davis, Doctor of Liberal Studies: "Gen Z, Next Gen and Louis Vuitton: A New Future for Fur in the Luxury Fashion Sector"

Melissa Sitton, Psychology PhD: "Caregiver Emotional Support in Relation to Adolescent Functioning After Sexual Abuse: Findings with Enhanced Methods"

Emily Berry, Biostatistics PhD: "Quantitative Fecal Immunochemical Test Results for the Early Detection of Colorectal Cancer"

Sheila Thomas-Boone, Higher Education Ed.D.: "From Foster Care to Higher Ed"

Biling Wang, Biostatistics PhD: "Towards Trustworthy Clinical Deployment of Artificial Intelligence: Quality Assurance for Performance of Models and Patient Specific Predictions with Uncertainty Quantification"

Muhammad Hashir Syed, Electrical Engineering PhD: "Drones to the Rescue: Drones-Assisted Agricultural Communication Networks"

Yifei Wang, Statistical Science PhD: "A Novel Two-Step Approach for Unbiased Treatment Evaluation in Multivariate Network Meta-Analysis"

Lida Aeindartehran, Chemistry PhD: "Soluble Thiabendazolium Salts with Anthelminthic Properties"

Sabrina Hetzel, Computational and Applied Mathematics PhD: "Solitary Waves in Quartic Kerr Media"

Three Minute Thesis Competition
First-Round Heat #2
Tuesday, Nov. 7, 2023, 10:00AM

Judges:

Rachel Ball-Phillips, Director of Graduate Fellowships and Awards, Moody School of Graduate and Advanced Studies

David Doyle, Dean, Honors and Scholars Programs; Director, University Honors Program

Akihito Kamata; Professor, Department of Educational Policy & Leadership, Department of Psychology; Director, Education PhD Program

Competitors:

Austin Marstaller, Computational and Applied Mathematics PhD: "Nonlinear Dynamics of the Fractional Discrete Nonlinear Schrodinger Equation"

Yuqiu Yang, Biostatistics PhD: "CytoOne: A Deep Generative Model for CyTOF"

Murphy (Keller) Young, Education PhD: "Examining Teacher Candidates' Instructional Moves During a Simulated Writing Conference: A Case Study"

Zeyu Lu, Statistical Science PhD: "Bayesian Identification of Transcriptional Regulators"

Danny Sebastian, Religious Studies PhD: "Accounting for Ethics: Addressing Social Challenges through an Accounting Lens"

Niloofar Fadavi, Operations Research PhD: "Inexact Methods for Large-scale Stochastic Programming"

Katie Binkley, Chemistry PhD: "Nanoclusters: Tomorrow's Quantum Dots"

Sen Yang, Biostatistics PhD: "Microbiome-based Predictive Models via Supervised Contrastive Learning"

Rasiq Hussain, Software Engineering MS: "Machine Learning-enhanced Requirements Elicitation and Prioritization for Earth Science Data Management"

Zifang Kong, Statistical Science PhD: "Joint Modeling of Longitudinal and Time-to-event Data for Predicting the Progression of Kidney Stones"

Three Minute Thesis Competition
First-Round Heat #3
Tuesday, Nov. 7, 2023, 11:00AM

Judges:

Monnie McGee, Associate Professor, Statistical Science

Stephen Robertson, Senior Lecturer, Statistical Science, Director, MASDA Program

Santanu Roy, Professor and Director of Graduate Studies, Economics

Competitors:

Yaofang Hu, Statistical Science PhD: "Variational Bayesian Semi-supervised Keyword Extraction"

Shuo Qi, Economics PhD: "Identification and Estimation of Discrete Choice Models with Spillovers Using Partial Network Data"

Kaiwen (Kevin) Wang, Statistical Science PhD: "BiGER: Bayesian Rank Aggregation in Genomics with Extended Ranking Schemes"

Gokhan Kararsiz, Mechanical Engineering PhD: "Navigation and Control of Motion Modes with Soft Microrobots at Low Reynolds Numbers"

Xin Yang, Computational and Applied Mathematics PhD: "Tools of Bio-molecular Modeling and Simulation"

Lance Brooks, Education PhD (Applied Physiology): "From Humans to Hounds: Gravity and Balance Limit Sprint Running Acceleration"

Yifan Lu, Statistical Science PhD: "Uncertainty Quantification and Prediction of Multi-modality Data with Blockwise Missingness Structure in Medical Imaging Analysis"

Alexa Jimenez, Psychology PhD: "Facets of Experiential Avoidance and Neuroticism as Predictors of Internalizing Symptoms"

Fallon Wenck, Applied Science MS: "Assessing Ventricle Cell Functionality Using Impedance"