

Time	Event	Speaker
12:50	Main room opens for presenters and attendees to sign-on	
1:00-1:05	Welcome and Opening Remarks	Michelle McCombs
1:05-1:15	Key Note Speaker	Carolyn Morales, Assistant Dean of Diversity in the Graduate School
1:15-1:20	Transition to breakout rooms	

Time	Presenter	Title/ Presentation Link	Faculty Mentor(s)	Program Affiliation	Breakout Room
SESSION 1					
1:20-1:30	Annika Diaz	<i>Investigation of Suspect Coronavirus Infections in Pneumonia Patients</i>	Dr. A. Vlasova	LSAMP	1
	Jill Belluomini	<i>Materials Search for Topological Magnons</i>	Dr. V. Doan-Nguyen Dr. R. Valdes Aguilar Dr. Y. M. Lu	CEM	2
	Octavian Donca	<i>Characterization and Generation of Spinodal Decomposition Microstructures Using an Adversarial Autoencoder Neural Network</i>	Dr. S. Niezgoda	TEK8	3
	Makayla Lawrence	<i>Influence of dry periods on stomata conductance for different tree species</i>	Dr. G. Bohrer	TEK8	4
SESSION 2					
1:30-1:40	Matthew Estrada	<i>Evaluating natural killer cells heterogeneity using mixed antibody and RNA single cell - omics</i>	Dr. A. Freud Dr. B. L. Mundy-Bosse Dr. E. M. Oltz Dr. P. L. Collins	LSAMP	1
	Reese Boucher	<i>Exploration of the Coulomb Gap</i>	Dr. B. Skinner	CEM	2
	Freeman Gao	<i>Turbine Ingestion Severity Evaluation</i>	Dr. K. D'Souza Dr. D. Sirivolu	TEK8	3
	Jize Dai	<i>The Beauty of Oriqami</i>	Dr. R. Zhao Dr. Q. Ze	TEK8	4

SESSION 3					
1:40-1:50	Jessica Ezeji	<i>Parabacteroides distasonis: A gut commensal with beneficial and pathogenic properties. Its influence on human health.</i>	Dr. A. Rodriguez-Palacios Dr. L. Veloo	LSAMP	1
	Mack Marshall	<i>Monte Carlo Simulation of Electron Stripe/Bubble Formation in Graphene</i>	Dr. B. Skinner	CEM	2
	Jacob Veney	<i>Vibration Energy Harvester with Piecewise Linear Nonlinear Oscillator and Controllable Gap-Size</i>	Dr. K. D'Souza	TEK8	3
	Marisa Egan	<i>Computational Fluid Dynamics (CFD) Analysis on the Extruder of an Endoscopic Additive Manufacturing Tissue Engineering Device</i>	Dr. D. Hoelzle	TEK8	4

SESSION 4					
1:50-2:00	Shuayb (Jet) Jama	<u>Lantern Slides Take Over!</u>	Dr. A. Rinehart Dr. K. O'Brien	LSAMP	1
	Mackenzie Geckler	<u>Micromagnetic simulations for improving thermal stability of magnetic skyrmions</u>	Dr. P. C. Hammel Dr. D. Pelekhov Dr. M. Randeria	CEM	2
	Ben Kowalski	<u>Applying Machine Learning to the Simulation of Turbulent Flows</u>	Dr. S. H. Kim	TEK8	3
	Deepa Gangadhar	<u>DNA Origami Image Analysis</u>	Dr. C. Castro Dr. W. Pfeifer	TEK8	4
SESSION 5					
2:00-2:10	Tyra Robertson	<u>Vocal Stress after Marital Conflict</u>	Dr. M. R. Shrout Dr. J. Kiecolt-Glaser	LSAMP	1
	Trevor Hickie	<u>Geometry Dependent Exchange Coupling in Two-Phase Magnetic Nanocomposites</u>	Dr. D. Pelekhov Dr. P. C. Hammel Dr. M. Randeria	CEM	2
	Yuto Nakahata	<u>Electric Quadrotor Performance Prediction and Design Optimization</u>	Dr. M. McCrink	TEK8	3
	Marissa Kruse	<u>Studying the Transport and Flow Profiles of Interstitial Flow in the Extracellular Matrix</u>	Dr. C. Castro	TEK8	4
SESSION 6					
2:10-2:20	Kayla Williams	<u>Dividing functions using counting and sorting principles</u>	Dr. J. Johnson	LSAMP	1
	Lincoln Weber	<u>Modeling of Terahertz Attenuated Total Reflection Experiments</u>	Dr. R. Valdes Aguilar	CEM	2
	Luke Striebich	<u>Development of a Home Energy Management System</u>	Dr. S. Stockar Dr. M. D'Arpino	TEK8	3
	Jordan Rife	<u>Role of Pericellular Stiffness in Regulating Cell Volume Changes Under Load</u>	Dr. B. Walker	TEK8	4
SESSION 7					
2:20-2:30	Tabitha Willis	<u>Decoding the Past: Reconstructing the Maternal Genetic History of South Asians Using Mitochondrial DNA</u>	Dr. M. Raghavan	LSAMP	1
2:20-2:30	Elijah Yates	<u>Endoscopic AM Modeling</u>	Dr. D. Hoelzle	TEK8	4