

Undergraduate Research and Creative Activity Open House

PROGRAM OF PRESENTERS
THURSDAY, NOVEMBER 3, 2022



SCIENCE BUILDING

Poster	Student Author & Mentor	Department	Title
1	Lindsey Tran <i>Dr. Daniel Erenso</i>	Physics	Creation of Electro-Magnetic Assisted "Star-like" Formation From Cancer Cells Using a Laser Trap
2	Jocelyn Rajkowski <i>Dr. Kahler Stone</i>	Health and Human Performance	Refugee Outcomes After Arrival in the United States
3	Dalton Lewis <i>Dr. Mina Mohebbi</i>	Environmental Science	Evaluation of Microplastic Contamination in Food Waste Composts and Aerobic Digestion
4	Bill Lickman <i>Dr. Tiffany Saul</i>	Sociology and Anthropology	Recovering a Fortress: Photo and Video Support to MTSU's Forensic Aviation Archaeology Program - Summer 2022
5	Ori Bergman <i>Dr. Donald Walker</i>	Biology	Interactions Between Skin Bacteria and the Snake Fungal Disease Pathogen (<i>Ophidiomyces ophiodiicola</i>) Across a Nutrient Gradient Mimicking Host Skin Chemistry
6	Jesse D. Scobee <i>Dr. April Weissmiller</i>	Biology	Investigating the Significance of N-MYC-WDR5 Interaction in Pediatric Neuroblastoma
7	Karolin Shalaby & Sylvia Zakher <i>Dr. Gregory Rushton</i>	TSEC-Chemistry	Student Discourse Networks and Group Composition in a POGIL-based General Chemistry Class
8	Claire Matzek & Clay Stalzer <i>Dr. Donald Walker</i>	Biology	Fungal-fungal interactions in the host-mycobiome-snake fungal disease pathogen system
9	Garrett Tonos <i>Michael Fleming</i>	Recording Industry	The Recording and Manipulation of Natural Sound Sources into a Musical Work
10	Grèti Müller <i>Dr. Mary A. Evins</i>	History	Pionír - A Novella Inspired by the Historical Pioneering Heritage of a Family from Transylvania
11	Skylar Carson-Reynolds & Molly Cooper <i>Dr. Vincent Cobb</i>	Biology	Body Temperature in Gravid and Non-Gravid Female Water Snakes (<i>Nerodia sipedon</i>)
12	Christopher Meherg <i>Dr. Jing Kong</i>	Chemistry	Algorithms for the Discrete Gauss Transform
13	Autumn Farrell <i>Dr. Tony Johnston</i>	Fermentation Science	<i>Aspergillus oryzae</i> as Enzyme Producer for Alternative Grain Sake

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14	Garrett Tessmer <i>Dr. April Weissmiller</i>	Biology	Investigating the Significance of MYC in Small Cell Carcinoma of the Ovary Hypercalcemic Type *
15	Cheyenne Jones <i>Dr. April Weissmiller</i>	Biology	Investigating the Function of MYC in Malignant Rhabdoid Tumor
16	Danny Harp <i>Dr. Martha Norkunas</i>	History	Commemorations on the Landscape: Two Black Women Who Changed Country Music
17	Weston Williams <i>Dr. Seockmo Ku</i>	Fermentation Science	Early Foodborne Pathogen Detection in Foods and Environmental Samples by Crossflow Nano/Microfilter system
18 11AM-12PM	Charlotte Daigle <i>Dr. Rhonda McDaniel</i>	English	Through a Different Eye: An Honors Creative Thesis
18 12PM-1PM	Hannah Bates <i>Dr. Warner Cribb</i>	Geology	Petrologic Investigation of Metamorphic Rocks at Glade Gap, Chunky Gal Mountain in the Western North Carolina Blue Ridge Mountains
19 11am-12pm	Kat Fincher & Kade-Jah Browne <i>Dr. Michael Hein</i>	Psychology	Cyber Technology Development and Exploration of Learning Processes in Augmented Reality Team Environment
19 12pm-1pm	Todd Garrett Justice, Harris Smith, & Sterling Rodgers <i>Dr. Seockmo Ku</i>	CBAS	Evaluation of Perennial Sorghum's Applicability as a Flavoring Grain in Liquor Production
20 11am-12pm	Angel Durrani <i>Dr. Ramchandra Rimal</i>	Data Science	A Predictive Model for Predicting the Stock Price
20 12PM-1PM	Avery Biddle <i>Dr. Jade Treadwell</i>	Dance	Analyzing Correlations Within Educational Dance Training Programs
21 11am-12pm	Steven Brown, Fatima Razzaq, & Kyle Hensley <i>Dr. Tiffany Rogers</i>	Psychology	Changes in Social Motivation Following Dopamine Receptor Inhibition
21 12pm-1pm	Kacie Leonard <i>Dr. Jessica Carter</i>	Animal Science	The Effects of a powdered Post-milking Teat Dip on Mastitis and Teat Condition in Dairy Cattle in the Winter Months
22 11am-12pm	Hursha Kondee <i>Dr. David E. Nelson</i>	Biology	Interferon-gamma Stimulated CITED1 Expression is STAT1-dependent
23 11am-12pm	Alden McGinnis, Garrick McGee, & Autumn Hubbard <i>Dr. Kathryn Blankenship</i>	Speech-Language Pathology & Audiology	Word-Learning in SLP Undergraduate Students: Textbook vs. Computer-Based Condition