

Undergraduate Research and Creative Activity Open House



PROGRAM OF PRESENTERS
THURSDAY, NOVEMBER 9, 2023

Poster	Student Author(s) <i>Mentor</i>	Department	Project Title
1	Emma Gresham, Lance Harbour, Andrew Lacey, & Zach Legaux <i>Corey Reece</i>	Media Arts	Half-Dead Animated Short Film (Team A)
2	Elliot Certain <i>Dr. Roberta Chevrette</i>	Communications	A Trip to DC: An Endeavor in Pursuit of Scholarly and Professional Development
3	Lindsey Tran <i>Dr. Daniel Erenso</i>	Physics	Creation of New Energy Source from Electro-magnetic assisted "Star-like" Discovery in Red Blood Cells using Laser-Trapping Technology
4	Jenna St. Pierre <i>Dr. Shannon Hodge</i>	Sociology & Anthropology	Assessing Cusp Morphologies Between Different Ancestries
5	Razyar Hawrami <i>Dr. Arnold Liviu Matei</i>	Physics	Advancements in Dual Energy X-ray Absorptiometry(DEXA) & its Applications
6	Andy Belcher, Sarah Vaupel, Audrey Roberts, and Seth Savage <i>Corey Reece</i>	Media Arts	Half-Dead Animated Short Film (Team B)
7	Halle Brandt <i>Dr. James Tate</i>	Psychology	Assessing the Predictive Validity of the Short Form Vaping Consequences Questionnaire: Positive Reinforcement Subscale
8	Alexis Shumate <i>Dr. Cyrille Magne</i>	Psychology	Neurobiological Markers of Individual Differences in Reading Abilities

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9	Tadros Hana Dr. Kiel Ormerod	Biology	Conducting a genetic screen to identify novel enhancers and suppressors of Huntington's Disease pathogenicity using GWAS acquired target
10	Rachel Booher Dr. Philip Phillips	English	Can Eco-poetry Save the Earth? A Creative Pathway to Environmental Literacy
11	Gina Ibrahim Dr. Amy Atchison	Political Science	He Said, She Said: Søren Kierkegaard and Simone De Beauvoir's Divergence on Existentialism and Feminism's Role in Abortion
12	Javier Hernandez Dr. Michael Peasley	Marketing	How Marketing Influenced The Top 20 Box Office Films of 2022
13	Elvis Hurtado, Sean Kangas, Josh Mahan, and Carter Holland Corey Reece	Media Arts	Half-Dead Animated Short Film (Team C)
14 11A-12P	Sammi Hamdan Dr. Khem Poudel	Computer Science	Identifying Alzheimer's Disease from EEG Data Using an AE-SVM Classifier
14 12P-1P	Ben Matthews Dr. Scott Handy	Chemistry	Monitoring Allylation Reactions by UV/Vis with Pyrene-1-Carboxaldehyde
15 11A-12P	Stormy Sackett Dr. Melissa Lobegeier	Geosciences	Using testate amoebae as bioindicators of water quality and ecosystem health in the Stones River Watershed in Murfreesboro, TN
15 12P-1P	Wesley Mitchell Dr. Joshua Phillips	Computer Science	Applying Induced Set Attention to Transformers for Object Detection

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16 11A-12P	Natalie Rapier & Bailey Moore Corey Reece	Media Arts	Half-Dead Animated Short Film (Team D)
16 12P-1P	Taylor Stoltz & Beth Harless Dr. Tom Neff	Media Arts	Clemmie Unfiltered
17 11A-12P	Matthew Johnson Dr. Kevin Bicker	Chemistry	Characterization of Antifungal Peptoid Dendrimers
17 12P-1P	Christopher Keiningham Dr. Xin Yang	Computer Science	Artificial Intelligence-Driven Snake Game
18 11A-12P	Steven Brown Dr. Tiffany Rodgers	Psychology	Measuring Social Motivation in Mice
18 12P-1P	Stephen Clifford Dr. Kiel Ormerod	Biology	Do Deficits in Key Motor Proteins Impact Muscle Physiology and Highly Stereotyped Rhythmic Behavior?
19 11A-12P	Jillian DeGrie Dr. Sisavanh Houghton	Art and Design	Breaking the Stigma around Autism: an Interactive Art Exhibition
19 12P-1P	Sydney Robbins Dr. Charles Chusuei	Chemistry	Electrochemical Detection of Fenthion for Forensic Analysis
20 11A-12P	Andrew Michael Dr. Kiel Ormerod	Biology	Uncovering Components of the Excitation-Contraction Coupling Machinery Using a Cell-Specific Approach in <i>Drosophila melanogaster</i>
20 12P-1P	Catherine Bright Dr. Jade Treadwell	Dance	"The Shower Piece" A Dance Film

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21 11A-12P	Janna Abou-Rahma Dr. Kevin Bicker	Chemistry	Mechanism of Action of Antifungal Peptoids
21 12P-1P	Weston Williams Dr. Ariful Haque	Fermentation Science	Penicillin Project: Modern Practice in Antibiotic Waste Conversion
22 11A-12P	Alexandria Hamilton Dr. Kathryn Blankenship	Health and Human Performance	The Comparison of Two Different Word-Learning Strategies in Undergraduate University Students
22 12P-1P	Gracie Johnson Dr. Mengliang Zhang	Chemistry	The Ligand Exchange of Iron Oxide Nanoparticles and Peptoids for the Advancement of MRI Technology
23 11P-1P	Holden Ayers Dr. Mark Abolins	Geosciences	Geology of sinkhole flooding in Grassy Cove, TN
24 11A-12P	Madonna Aziz Dr. Kiel Ormerod	Biology	Pharmacologically targeting the proliferation of protein aggregates in a model of Huntington's Disease in Drosophila
25 11A-12P	Christopher Cooper, Sarah Hall & Kayley Eaton Dr. Lauren Shouse	Theatre and Dance	The Farm Theatre College Collaboration Project – New Play Workshop in NYC
26 11A-12P	Braedyn Hollingsworth Dr. Jeffrey Leblond	Biology	The Chemotaxonomic Capabilities Behind the Sterols and Galactolipids of <i>Togola britannica</i>

THANK YOU FOR ATTENDING

Questions about undergraduate research?

Check out our website!

www.mtsu.edu/urc