



# RESEARCH WEEK

## Graduate Poster Presentations

<i>Rank</i>	<i>Category</i>	<i>Contributors</i>	<i>Title</i>
1	Applied	Reid Prichard	In Pursuit of a Universal High Performance Computing Optimization Methodology
2	Applied	Jenna Finnegan	The Need for PD with an Emphasis on TPACK for Secondary Math Teachers
3	Applied	Eric Turman	Reducing Computational Cost of Industrial CFD Through Fuzzy Logic-PID Control Methods
1	Basic	Vhuthuhawe Madzinge	Site-Directed Mutagenesis of S6K-1
2	Basic	Bethany Smith, Brittany Johnson, Katie Steigerwald, Rachel Eberle	The Effect of Coca-Cola on Fresh and Latent Blood Stains
1	Creative	Mark Lawton	Research for a Podcast Series: Distinguishing the Voice of God.
1	Textual	Erin Mos	Jacques Ellul: A Faith-Based Dialectic and the Techno-State's Propaganda Power
2	Textual	Jennifer Decker	Church-State Relations: The Protection of Conscience Against Governmental Encroachment
3	Textual	Maria Pulliza	Singleness in the Church: A Call to Reconsider How Christianity Views Singleness
1	Theoretical	Kathy Miller	Is an Ounce of Simulation Worthy a Pound of Safety? Impact of Safety-Focused Simulation on Medication Errors and Failure to Rescue Events: A Review

2	Theoretical	James Hairston	The Recount: Black Men's Experiences of Predominantly White Institution Undergraduate STEM Programs in the United States
3	Theoretical	Elizabeth Vebangsi	Effectiveness of Tele mental Health in Rural Communities

#### **Undergraduate Poster Presentations**

<b>Rank</b>	<b>Category</b>	<b>Contributors</b>	<b>Title</b>
1	Applied	Anessa Reid, April Xu, David Blackwell, Jessica Minervini, Sophia Swiatek	An Analysis of Loneliness and Contributing Variables Among College Students
2	Applied	Quinn Macdonald	New Techniques for Treating Lateral Ankle Sprains A Case Series
3	Applied	Abigail Kolacz	Utilizing Multidimensional Rehabilitation to Treat Concussions: A Validation CASE Study
1	Basic	Angielisa Sirard, Ashley Stubbs, Richard Tuttle	The Analysis and Synthesis of Fluorescent Cell Stains for Biomedical Application
2	Basic	Danielle Sweeney, Dylan Peterson, Joseph Bierbaum	The Cutaneous Microbiome of the Eastern Red-Spotted Newt ( <i>Notophthalmus viridescens</i> ) and its Role as Defense Against Fungal Pathogens
3	Basic	Madeline Key, McKenzie Perkins	Characterizing the Cutaneous Microbiome of <i>Eurycea Lucifuga</i> as a Potential Defense Against Infectious Diseases.
1	Creative	Jessica Ramm, Mackenzie Holloway	Mae's Chocolatier: Rebranding a Belgian Chocolatier Company
1	Textual	Asia Eskaros, Chloe Vernon	Historical Investigation of New London Alum Springs through Elemental Analysis
2	Textual	Emma Morgan	Eastern Influence in Western Waves: George Harrison, Indian Mysticism, and the Arts in Pop Culture of the Mid-Century
3	Textual	Faith Chudkowski	If People Really Knew, the War Would Be Stopped Tomorrow": How the Press, the British State, and the Public Interacted During World War I
1	Theoretical	Brady Wisdom, Drew Keller, Emily Doyle, Tait Lapham	A Comparison of Bird Diversity and Water Quality Within Aquatic Ecosystems

2	Theoretical	Elijah Stanley, Jonah Sheridan, Maxwell Galbraith, Morgan Lowe	Investigating the Genetic and Morphological Differences Between Stocked Brook Trout ( <i>Salvelinus fontinalis</i> ) and Stream Bred Brook Trout Populations in Central Virginia
3	Theoretical	Alexia Williams	The Decrease in Crime Violence and Re-Offence Rates of Juveniles Involved in Musical Theater Arts Programs in the United States

#### Graduate Oral Presentations

<b>Rank</b>	<b>Category</b>	<b>Contributors</b>	<b>Title</b>
1	Applied	Ashley Mason	The Effect of Forgiveness and Service Love Learning Program on Psychological Well-Being for Professional and Business Students
2	Applied	Kimberly Smith	Recommendations for Improving the Practice of Instructing an Online Pre-Health Course at a Private University
3	Applied	Mary Strickland	A Hermeneutic Phenomenological Study Of Teacher Perceptions of the Connection Between Movement Strategies and Student Learning
1	Basic	Vhuthuhawe Madzinge	The Possible Sequential Modifications of IRS-1 via Phosphorylation by S6K-1 and Acetylation by p300
1	Creative	James Black	Demonstrating the Complexity and Consistency of God's Creation Through Broadcast Video Shading
2	Creative	Mark Lawton	Research for a Podcast Series: Distinguishing the Voice of God
1	Textual	Kim Embrey	John Stuart Mill and the Liberty of Conscience
2	Textual	Kevan Keane	A Protestant Overthrow: The Glorious Revolution and its Effects in Colonial America
3	Textual	Stephanie Wright	Between Two Dictators: Finland During the Second World War
1	Theoretical	Jordan Slowik	Registered Nurse Hesitancy to Providing Narcotics to Post-Surgical Neonates: A Narrative Literature Review

2	Theoretical	Cornelius Anyanwu, Lisa Ansell	Communication Barriers Among People with Invisible Disabilities: Impacts in Counselor Education: A Literature Review
3	Theoretical	Tamika Lewis	Integration of the Multiple Self-Referent Model into Super's Career Development Theory and its Implications on the Career Development of Black Women

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1	Applied	Anessa Reid, April Xu, David Blackwell, Jessica Minervini, Sophia Swiatek	An Analysis of Loneliness and Contributing Variables Among College Students
2	Applied	Katelyn White	Trending: How Social Media Influencers Impact Student's COVID-19 Vaccine Decisions
3	Applied	Eli Best, Lydia Wu	The Music Bluetooth Controller: An Intersection between Music and Technology
1	Basic	Sean Durbin	Fluorinated Molecularly Imprinted Polymer – Monomer and Polymer Synthesis for PFOA Sorption
2	Basic	Lauren Benedict	Prevalence of Feather Degrading Bacteria on Northern Saw-Whet Owls
3	Basic	Christian Sorensen	Spotted Salamander Egg Masses Exhibit a Unique Internal Microbiome in Relation to Their Environment
1	Creative	Kristine Johnson	New Nobility: A Deeper Look at Inspiration
2	Creative	Faith Elkins, Qianxi Lim	My Soul Magnifies the Lord: The Cry of Nicaragua
1	Textual	Evelyn Loftin	No One Will Talk: The Horrors of Sexual Trauma in the Holocaust
2	Textual	Abigail Coker	Voices of Courage: A Comparison of the Treatment of Evangelicals and Dissidents under Khrushchev
3	Textual	Brent Schuliger	Influence of the Thirty-Six Stratagems on Chinese Strategy in the Diaoyo Islands

1	Theoretical	Rebekah Smith	The Anxiolytic Effects of Aromatherapy on Preprocedural Anxiety: An Integrated Review
2	Theoretical	Amanda Works	Culturally Diverse Literature and Social Inclusion in Elementary Classrooms
3	Theoretical	Benjamin Mello	Managing Depression in the Workplace using Ecotherapy and Psychotherapy

#### Undergraduate Juried Arts Presentations

<b>Rank</b>	<b>Category</b>	<b>Contributors</b>	<b>Title</b>
1	2-D	Rachel Hughes	Surviving Senior Year
2	2-D	Ryan Thompson Harmon	lauv'ald'zhath - Concept Art
3	2-D	Laura Irick	Drawing Two Series
People's Choice	2-D	Ryan Thompson Harmon	lauv'ald'zhath - Concept Art
1	3-D	Amanda Solomon	Despair
2	3-D	Veronica Rios	Promises
3	3-D	Sydney Erickson	Aluminum Wildflowers
People's Choice	3-D	Amanda Solomon	Despair
1	Graphic Design	Abigail Carter	Museum Exhibition: Meowthical
2	Graphic Design	Joy Nicholson	Care Cups Cafe Branding
3	Graphic Design	Kayla Boyce	My Home
People's Choice	Graphic Design	Joy Nicholson	Care Cups Cafe Branding

#### Graduate Performing Arts Presentations

<b>Rank</b>	<b>Category</b>	<b>Contributors</b>	<b>Title</b>
1	Performing Arts	Hope Dornfeld	All Things New: An Analysis of Alfred Gaul's "A New Heaven and a New Earth"

#### Undergraduate Performing Arts Presentations

<b>Rank</b>	<b>Category</b>	<b>Contributors</b>	<b>Title</b>
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1 Performing Arts Lindsay Anton

Redefining Normal

**Graduate 3MT Presentations**

**Rank** **Category** **Contributors**  
1 3MT Bethany Matsick

**Title**  
Preventing Human Trafficking with Machine Learning

2 3MT Vhuthuhawe Madzinge

The Possible Sequential Modifications of IRS-1 via Phosphorylation by S6K-1 and Acetylation by p300

People's Choice 3MT Vhuthuhawe Madzinge

The Possible Sequential Modifications of IRS-1 via Phosphorylation by S6K-1 and Acetylation by p300

**Undergraduate 3MT Presentations**

**Rank** **Category** **Contributors**  
1 3MT Eli Best, Lydia Wu

**Title**  
The Music Bluetooth Controller: an Intersection between Music and Technology

2 3MT Nicholas Hill

Pediatric Autoimmune Neuropsychiatric Disorders Associated with Streptococcal Infections: Shifting the Paradigm on Post-Infectious Treatment and the Neuropsychiatric Impacts of Infections

People's Choice 3MT Eli Best, Lydia Wu

The Music Bluetooth Controller: An Intersection between Music and Technology