



# RESEARCH WEEK 2024

April 15-18



## MONDAY, APRIL 15

- 8:30 a.m.–3:30 p.m. **Registration and Poster Setup**  
Upper Atrium and Carter Learning Commons
- 10:30–11 a.m. **Welcome and Keynote Address**  
Terrace Conference Room  
(See page 3)
- 11–11:30 a.m. **Welcome Reception**  
Lower Atrium
- Noon–3 p.m. **Creative and Artistic Poster Presentations**  
Carter Learning Commons  
(See page 4)
- Textual/Investigative Poster Presentations**  
Carter Learning Commons  
(See pages 4-6)
- Theoretical Oral Presentations**  
Meeting Rooms and Classrooms  
(See pages 7-8)
- 1–4 p.m. **Basic Oral Presentations**  
Meeting Rooms and Classroom  
(See page 9)

## TUESDAY, APRIL 16

- 8:30 a.m.–3:30 p.m. **Registration and Poster Setup**  
Upper Atrium and Carter Learning Commons
- 10 a.m.–3 p.m. **Applied Oral Presentations**  
Meeting Rooms and Classroom  
(See pages 10-13)
- 11 a.m.–5 p.m. **Aviation Safety Forum**  
Montview Grand Ballroom
- 1–4 p.m. **Theoretical Poster Presentations**  
Carter Learning Commons  
(See pages 14-17)



## WEDNESDAY, APRIL 17

- 8 a.m.–2 p.m. **Aviation Safety Forum**  
Montview Grand Ballroom
- 8:30 a.m.–3:30 p.m. **Registration and Poster Setup**  
Upper Atrium and Carter Learning Commons
- 10 a.m.–4 p.m. **Textual/Investigative Oral Presentations**  
Meeting Rooms and Classroom  
(See pages 18-22)
- 1–3 p.m. **Performing Arts Presentations**  
School of Music Concert Hall  
(See page 23)
- 1–4 p.m. **Basic Poster Presentations**  
Carter Learning Commons  
(See pages 24-27)

## THURSDAY, APRIL 18

- 8:30 a.m.–3:30 p.m. **Registration and Poster Setup**  
Upper Atrium and Carter Learning Commons
- 10 a.m.–1 p.m. **Applied Poster Presentations**  
Carter Learning Commons  
(See pages 28-31)
- 10 a.m.–3 p.m. **Textual/Investigative Oral Presentations**  
Meeting Rooms and Classroom  
(See pages 32-33)
- 10 a.m.–3:30 p.m. **Creative and Artistic Oral Presentations**  
Meeting Rooms and Classroom  
(See pages 34-35)
- 12:30–1 p.m. **3MT Registration**  
Upper Atrium
- 1 p.m. **3MT Competition**  
Terrace Conference Room  
(See pages 36-38)
- 1–7 p.m. **Poster Pickup**  
Lower Atrium

### EVENT LOCATIONS:

Active Learning Classroom–JFL 171  
Admin Conference Room–JFL 300  
Group Study Room–JFL 170B  
Scholars Lounge–JFL 380  
Terrace Conference A–JFL 001A  
Terrace Conference B–JFL 001B

# KEYNOTE SPEAKER

DR. SCOTT HAYES

“Our Song to Sing:” A Researcher’s Journey Aligning Communication,  
Theatre, and Family from a Biblical Worldview



Dr. Scott Hayes is Dean of the School of Communications & the Arts (SCA) and Professor of Theatre Arts at Liberty University. Dr. Hayes holds a BFA from the University of California at Santa Barbara, an MFA from Florida State University/Asolo Conservatory, and a Ph.D. from Regent University. Dr. Hayes has been richly blessed as the founding dean of SCA. He spearheaded the development and approval of Liberty’s first BFA and MFA programs. He served as the primary supervisor for the renovation and relocation of the School of Communication & the Arts facilities, including new digital audio and video studios; art classrooms, studios, and galleries; a black box theater; rehearsal and dance studios; and computer labs for graphic design, video creation, and audio editing.

Beyond his work as the executive producer of all cinema, digital media, and live theatre productions at Liberty University, Dr. Hayes served on the advisory board for the Center for Research and Scholarship and loves the opportunity to champion student creative and traditional research. He maintains his outside professional work as a director, actor, and playwright. He is the editor of books, chapters, and articles on the personal life and career of Sir Arthur Sullivan, of Gilbert and Sullivan fame. He is a member of the Screen Actors Guild/American Federation of Television and Radio Arts and Actors Equity Association, the screen and theatre unions for professional actors, respectively. His short play “Without Excuse” is published by *Christianity and Theatre*, and his production of “As You Like It” was profiled in *Southern Theatre*. He directed “Bloodroot,” a play written and performed by a 20-member all-female company, which was nationally recognized by the Kennedy Center/American College Theatre Festival.

Dr. Hayes represents the Southeastern Theatre Conference as the chair of the Faith and Theatre committee and is also a member of the editorial board for *Southern Theatre* magazine. He and his wife, Sarah, have three daughters, the oldest two of whom have graduated from Liberty University.



# MONDAY, APRIL 15

## Noon–3 p.m. Creative and Artistic Poster Presentations

*Carter Learning Commons*

Undergraduate

### Sensory Rooms

Adonai Brown

## Noon–3 p.m. Textual/Investigative Poster Presentations

*Carter Learning Commons*

Undergraduate

### Assessment of the Pattern and Factors Associated With Childhood Malnutrition in Nigeria

Wuraola Awosan, Ivo Mencha Esembieng, and Chinonso Eziechi

### Battle of the Chosin Reservoir

Luke Chavez

### Chaplain Emil Kapaun: A Hero of Faith

Kacie Wooten

### Communication Challenges in Nursing: Delegation, Accountability, and Technology Impact

Austin Love

### Farm Animal Assisted Therapy: A Naturalistic Form of Neurotherapy

Nancy Allen

### Growing Influx of Immigrants into the USA: Public Health Implications

Victor Lambongang

### Illegal Small-Scale Gold Mining in Ghana: A Public Health Perspective

Raymond Yovelanyine Suonyir and Maame Yaa Adowah Okrah

### Knocking Down Walls: Uncovering the Story of School Integration in Warren County, Virginia

Cherith Bradshaw

### Let Not Your Hearts Be Troubled

Elyse Penton, Joseph Dennis, Dennis Nicholson, and Jorge Rivera-Marrero

# MONDAY, APRIL 15

Noon–3 p.m. **Textual/Investigative Poster Presentations** *(Continued)*  
*Carter Learning Commons*

## Undergraduate

**Manumission, Willed, or Buying Their Freedom—From the Colonization of the New World to the Civil War**  
Patrick Burghardt

**Narrative Activism: Strategic Storytelling for Women’s Advocacy**  
Lili Morgan

**Objective Morality in the *Divinity School Address***  
Nicholas Moyer

## Graduate

**Nursing Student-Faculty Relationships Enhancing Student Well-Being**  
Violet Coleman, Katelyn Cox, Ashland Allred, Madie Loyd, Kenechukwu Onyinyechukwu Eni, Mayson Candler, Mallory Carden, and Hannah Carden

**The Reality of the Little House**  
Lily Walter

**The Rise and Fall of the Grunge Movement and Its Implications on the Identity of Seattle**  
Colin Wood

**Selena Quintanilla: Bridging the Cultural Gap Between Hispanics and U.S. Americans**  
Natalia Garcia

**The Spiritual Realm and the Christian Story: The Apologetic Value of *The Unseen Realm* by Michael Heiser**  
Cameron Bonin, Samy Tshileu, Alexander Lee, Charles Allen

**Uneasy Peace: Imperial Japan at Versailles**  
Eric Cashion

**The USS Liberty Incident: Accident or Intentional Attack**  
Maximus Marlowe



MONDAY, APRIL 15

1-2 p.m. **Textual/Investigative Remote Poster Presentations**  
*JFL 170B*

**Undergraduate**

**A Brief Overview of Health, Poverty, and Mental Health Concerns in American Indian/Alaska (AI/AN) Populations Native**  
Abbie Hopson

**Graduate**

**Appalachian Mountain Religion**  
Andrea Stamper

**Gender Bias and Children's Literature: Understanding Natural Gender Language and Grammatical Gender Language Within Gender Development**  
Kaleigh Smolinski

**The Partiality of the American Social Gospel Movement**  
Karen Caverly-Molineaux



# MONDAY, APRIL 15

## Noon-3 p.m. Theoretical Oral Presentations

### Undergraduate and Graduate

**Noon** **Are Elementary Reading Specialists Prepared to Address the Mental Health Needs of Struggling Readers?**

Virginia Shank

*Terrace Conference Room A (JFL 001A)*

**PCOS in the Southern United States: A Socio-Ecological Model Intervention**

Gloria Ogunlade and Rachel Dibal Simon Karu

*Terrace Conference Room B (JFL 001B)*

**Platelet-Rich-Plasma Injections vs. Corticosteroid Injections in the Reduction of Pain for Patients With Frozen Shoulder: A Critically Appraised Topic**

Amanda Pendleton and Megan Dombrowski

*Active Learning Classroom (JFL 171)*

**12:30 p.m.** **“Let’s Look at What We Said”: The Figure of Socrates as Antithesis to the Commodification of Higher Education**

Aurora Brande

*Terrace Conference Room A (JFL 001A)*

**Let’s Unpack This: Supervising Religious Counselors Working With Religious Trauma**

Nicole Taylor and Cinnamon Obrey

*Terrace Conference Room B (JFL 001B)*

**1 p.m.** **Potential Adverse Cardiovascular Side Effects Following mRNA COVID-19 Vaccination**

Abigayle Strohmeier

*Terrace Conference Room B (JFL 001B)*

**The Relationship Between Imposter Syndrome, Household Income, and Level of Education**

Miebaka Favour Roberts, Rachel Hanzes, and Bright Agbotui

*Terrace Conference Room A (JFL 001A)*

**1:30 p.m.** **Decoding Political Narratives: Artificial Art and the Crafting of Symbolic Realities**

Lindsay Anton

*Terrace Conference Room B (JFL 001B)*





# MONDAY, APRIL 15

## Noon-3 p.m. Theoretical Oral Presentations *(Continued)*

### Undergraduate and Graduate

**1:30 p.m. A Theoretical Framework to Enhance Healthcare Utilization Among International Students in the United States**  
Oyebolu Aderinola Akinkugbe, Oluwatosin Marylyn Oduneye, and Anita Bhatta  
*Terrace Conference Room A (JFL 001A)*

**2 p.m. Conscious and Unconscious Obsession-Based Human Motivation: A Theoretical Proposal**  
Grace Pryor  
*Terrace Conference Room B (JFL 001B)*

**A Review of Rheb Activation of mTORC1 and the Great Mystery of One Missing GEF**  
Jack Gregory  
*Terrace Conference Room A (JFL 001A)*

**2:30 p.m. Navigating the Pandemic: Hospital Resource Allocation and Preparedness During the Next COVID-19**  
Anna Ponder  
*Terrace Conference Room A (JFL 001A)*

# MONDAY, APRIL 15

## 1-4 p.m. Basic Oral Presentations

Undergraduate and Graduate

- 1 p.m. Optimization of Bisguaiacol F Synthesis via Microwave Assistance**  
Jessica Bryant and Nehemiah Jantomaso  
*Active Learning Classroom (JFL 171)*
- 1:30 p.m. The Mouse Mammary Tumor Virus Mediates the Antineoplastic Action of Decitabine**  
Andrew Brola, Richard Tuttle, Ryan Johnson, Cade Wycoff, and William Wycoff  
*Active Learning Classroom (JFL 171)*
- 2 p.m. Cryptology for Christ: Steganography, Evangelism, and Closed Access Countries**  
Christopher Jaus and Kaelyn Haynie  
*Active Learning Classroom (JFL 171)*
- 2:30 p.m. Mechanical Testing & Characterization of ZK60 Magnesium at Various Temperatures**  
Derek Works and Daniel Kenney  
*Active Learning Classroom (JFL 171)*
- 3 p.m. Bd Prevalence in the Local Crayfish Population**  
Gibson Huff, Garrett Bohrnstedt, and Ernesto Hurtado Lopez  
*Terrace Conference Room A (JFL 001A)*
- Characterization of the Aspergillus Flavus rdiA Gene With a rdiA Mutant of C. Neoformans**  
Nicholas Jones  
*Active Learning Classroom (JFL 171)*
- 3:30 p.m. ASSURE 2023: Gambusia vs. Blackspot Disease Study**  
Garrett Bohrnstedt  
*Active Learning Classroom (JFL 171)*
- Influence of SCP1 on Cryptococcus Neoformans Virulence**  
Carleigh Warsing  
*Terrace Conference Room A (JFL 001A)*



# TUESDAY, APRIL 16

## 10 a.m.-3 p.m. Applied Oral Presentations

### Undergraduate and Graduate

**10 a.m. Crushed in a Crowd: Crisis Communication in Concert Tragedies**

Rebecca Kicinski

*Terrace Conference Room A (JFL 001A)*

**Resilience Through Relocation in Older Adulthood: An Interpretative Phenomenological Analysis**

Holly Walker

*Active Learning Classroom (JFL 171)*

**Untangling the Knots: Counseling for Immigrant Minors**

Belen Peredo Bruno

*Terrace Conference Room B (JFL 001B)*

**10:30 a.m. Assessing the Effects of Biblically Responsible Investing (BRI) on an Equity Portfolio**

Nathan Corcimiglia, Alexander Gibson, Carson Guingon, Emily Connell, Wrennen Davidson, Promise Chieka, Ian Samuel, and Hunter Timmons

*Terrace Conference Room A (JFL 001A)*

**Enterolactone as a Potential Therapeutic Agent for Treatment of Type-two Diabetes**

Abigail Frommack and Seth Woodfin

*Terrace Conference Room B (JFL 001B)*

**Generational Experiences of Career Progression Barriers and Self-Efficacy in Black Professionals: Goals, Expectations, and Failures**

Daphney Revolus

*Active Learning Classroom (JFL 171)*

**11 a.m. Feelings of Loneliness and Their Associations With the Type of Social Media Use in College Students: Mixed Methods Study**

Andrei Sigunov

*Terrace Conference Room B (JFL 001B)*

**A Preliminary Analysis of Self-Reported Long COVID Experience Among Residents of the Central Virginia Health District, Through Partnership With the Virginia Department of Health, October 5, 2023-November 20, 2023**

Michala Geraty and Faith Bullis

*Terrace Conference Room A (JFL 001A)*

# TUESDAY, APRIL 16

10 a.m.–3 p.m. **Applied Oral Presentations** *(Continued)*

Undergraduate and Graduate

**11 a.m. Worker Engagement in Faith-Based Nonprofit Organizations: The Roles of Spirituality, Resilience, and Perceived Organizational Support for Engaging the Workforce**

Beverly Webb

*Active Learning Classroom (JFL 171)*

**11:30 a.m. Can Time Really Heal: The Long-term Impacts of Joint Custody Arrangements**

Savannah McCullough

*Terrace Conference Room B (JFL 001B)*

**The Lived Experiences of Student-Parents in Higher Education Who Utilize the Childcare Program at Eastern Community College: A Phenomenological Study**

Kindra Moore-Smith

*Active Learning Classroom (JFL 171)*

**A Qualitative Study of College Students With Autism: Resilience and Spirituality**

Benjamin Ellis, Jaedyn Bond, Ashley Heller, Claire Voshell, Braedan Pitts, and Timothy Wilkening

*Terrace Conference Room A (JFL 001A)*

**Noon Community Health Assessments in Guatemala and Honduras**

Grace Sibert and Nicole Durham

*Terrace Conference Room A (JFL 001A)*

**Determining the Effect of Patient Mouth Opening on Non-Invasive Respiratory Therapy Effectiveness**

Robert Kacinski

*Terrace Conference Room B (JFL 001B)*

**Diabetic Management With GLP1-RA Ozempic and Diabetic Education**

Katrina Sivo-Souza

*Active Learning Classroom (JFL 171)*

**12:30 p.m. Exploring Workplace Relationships and Retention Among Generation Z Teachers: A Transcendental Phenomenological Study**

Kimberly Lawhorn

*Active Learning Classroom (JFL 171)*



# TUESDAY, APRIL 16

10 a.m.–3 p.m. **Applied Oral Presentations** *(Continued)*

Undergraduate and Graduate

**12:30 p.m. The Relationship between Social Media Usage, Loneliness, and Mindfulness in College Students**  
Edward Cook, John Paul Fryrear, Kailey Alberici, Trishajean Holt, Emily Davis, and Wyatt Price  
*Terrace Conference Room B (JFL 001B)*

**Transgenderism and Pronouns: Assessing the Communication Practices of Christian College Students**  
Danielle Malanowski  
*Terrace Conference Room A (JFL 001A)*

**1 p.m. Forgiveness and Religiosity Among Registered Nurses: A Correlational Study**  
Lora Mullen  
*Active Learning Classroom (JFL 171)*

**Impact of Body Dissatisfaction and Selfies and the Effect of Self-Compassion**  
Amelia Jing Zhen Cheah, Kathryn Reker, Rachel Shirk, and Jangwon Seo  
*Terrace Conference Room B (JFL 001B)*

**Recycling Plastic Wastes as Reinforcing Fibers in Asphalt Pavements**  
Daeui Hong  
*Terrace Conference Room A (JFL 001A)*

**1:30 p.m. Exploring the Relationship Between Loneliness and Real-Time Measurements of GSR and HRV During Concept Mapping, and Cortisol and Oxytocin Levels**  
Jangwon Seo, John Paul Fryrear, Hannah Vollmer, Isabella McCoy, and Andrei Sigunov  
*Terrace Conference Room A (JFL 001A)*

**Multiple Perspectives Examining How a Junior Reserve Officer Training Corps (JROTC) Program Affects Student Development: A Case Study**  
Kurt Barry  
*Active Learning Classroom (JFL 171)*

# TUESDAY, APRIL 16

10 a.m.–3 p.m. **Applied Oral Presentations** *(Continued)*

Undergraduate and Graduate

**2 p.m. Immersion in Curriculum: A Study of the Lived Experiences of Counseling Students on an LU Send Trip to Munich, Germany**  
Debbie Millman and Aleta Gibbs  
*Active Learning Classroom (JFL 171)*

**Phenomenological Study of Resilience Among Native Americans**  
Mary Iaungayan  
*Admin Conference Room (JFL 300)*

**2:30 p.m. Exploring the Lived Experiences of Teachers When Enrolled in Asynchronous Certification Program: A Phenomenological Study**  
Sara Allen  
*Active Learning Classroom (JFL 171)*

**Reinventing Holistic Healthcare: Pastoral Perspectives of Biblical Insights for the American Healthcare System**  
Leanne Bergey  
*Admin Conference Room (JFL 300)*



# TUESDAY, APRIL 16

## 1-4 p.m. Theoretical Poster Presentations

*Carter Learning Commons*

### Undergraduate

#### **Assessing Natural and Synthetic Red Food Dye**

Victoria MacLean

#### **Assessing the Impact of Lake Expansion on Adjacent Stream Amphibian Diversity and Density**

Cheyenne Brooks and Anna Grace Aldridge

#### **Children in Foster Care: A Literature Review**

Emily Etterman

#### **Crayfish as a Biological Reservoir for the Amphibian Skin Pathogen *Batrachochytrium Dendrobatidis***

Kyra Goyette, Jordan Tennis, Gibson Huff, Delilah Hughes, Garrett Bohrstedt, Anna Thompson, and Ernesto Hurtado Lopez

#### **Deaf-centric Expression of Biblical Language, Symbols, and Culture**

Grace Tang

#### **Effects of Noisy Galvanic Vestibular Stimulation (nGVS) on Fall Prevention in a Geriatric Population: A Critically Appraised Topic**

Aleia Dawson

#### **Exploring Soap Thickeners: A Comparative Study of Sodium Chloride to the Alternate Benefits of Carrageenan and Xanthan Gum**

Amanda Kolandjian

#### **Educationally and Practically Beneficial Enzymatic Organic Chemistry Lab Experiments**

Garen Hamner

#### **The Effect of Post-Translational Modifications of IRS-1 on Insulin Sensitivity**

John Zelenka, Caroline Wethington, and Rachael Kathleen De Klerk

#### **Implementing Hand Hygiene Programs Into the K-12 Education Curriculum to Decrease the Incidence of Respiratory Illnesses**

Sophia Brat, Riley Bennett, Dahlia Thomas, Jewels Haley, and Hallie Winters

## TUESDAY, APRIL 16

### 1-4 p.m. Theoretical Poster Presentations *(Continued)*

*Carter Learning Commons*

#### Undergraduate

##### **The Importance of Teaching Polymer Chemistry in College Chemistry Classes**

Delaney Rowe

##### **Increasing International Awareness of Chemistry**

Cheyenne McDowell

##### **Investigating Antimicrobial Properties Released From Developing Amphibian Eggs**

Olivia Grimsley, Summer Cartwright, Christian Gilbert, Emma Harris, Elizabeth Williams, and Anna Mayberry

##### **Investigating the Binding Mechanism of DRAQ5**

Katelyn Finnerty

##### **Is the Perfect Soccer Ball Still Out There? A Review and Optimization of the Beautiful Game**

Joshua Walker

##### **Neurodivergence in Interpreters: Impact on Cognitive Processing and Recall Skills**

Elizabeth Young

##### **Optimal PVA/Starch Complex for Cryogel Development Intended for Artifact Cleaning**

Mallory Warfield

##### **Parental Partitioning and Nest Success in Eastern Bluebirds (*Sialia sialis*)**

Olivia Wilburn, Genesis Bishop, and Julia Weinand

##### **Preventing ASL Interpreter Burnout Through the Use of Self-Care**

Grace Hodge

##### **The Problem With Interpreter Education Programs**

Lauren Gebstadt

##### **Proposing an Improved Polyvinyl Acetate Based Wood Glue**

Elijah DeYoung





# TUESDAY, APRIL 16

1-4 p.m. **Theoretical Poster Presentations** *(Continued)*

*Carter Learning Commons*

## Undergraduate

**Researching and Comparing the Properties of Anthocyanins With FD&C Blue No. 1**

Kendall Boyle

**A Survey of Animal Diversity in a Transect of Post-Fire Deciduous Forest**

Delilah Hughes, Kayla Natelborg, and Carter Newsome

**You Lichen It? The Characterization of Common Greenshield Lichen (*Flavoparmelia caperata*) Microbiomes Across Varying Forest Habitats**

Rachel Bonham, Alyssa Jones, Jack Bittner, and Jaena Fiscus

## Graduate

**The Acute Effects of Caffeine Consumption on Muscle Performance of a 1 Rep Max Bench Press Exercise: A Critically Appraised Topic**

Kathryn Evans and Meghan Mutter

**Effect of Sleep Deprivation on Perceived Exertion in Endurance Athletes: A Critically Appraised Topic**

Colton McGuire and Diego Castellot

**The Effects of Cross-education on Quadriceps Strength in Patients After ACL Reconstruction Surgery: A Critically Appraised Topic**

Taylor Swartz

**The Effects of Surgical Interventions Compared to Conservative Treatment in Active Individuals With First Time Patellar Dislocation and Recurrent Instability: A Critically Appraised Topic**

Jacob Heeringa

**Forefoot Gait Retraining as an Intervention for Patellofemoral Pain: A Critically Appraised Topic**

Tanner Bohan

**Percutaneous Needle Electrolysis Compared With Dry Needling/ Acupuncture or Placebo for Improving Pain in Patients Experiencing Plantar Heel Pain: A Critically Appraised Topic**

Mikayla Coghill and Taylor Swartz

## TUESDAY, APRIL 16

### 1-4 p.m. Theoretical Poster Presentations (Continued)

*Carter Learning Commons*

#### Graduate

#### **Platelet-Rich-Plasma Injections vs. Corticosteroid Injections in the Reduction of Pain for Patients With Frozen Shoulder: A Critically Appraised Topic**

Amanda Pendleton and Megan Dombrowski

#### **Public Health Implications of Armed Conflict in Nigeria**

Rachel Dibal Simon Karu

#### **The Relationship Between Imposter Syndrome, Household Income, and Level of Education**

Miebaka Favour Roberts, Rachel Hanzes, and Bright Agbotui

### 1-2 p.m. Theoretical Remote Poster Presentations

*JFL 170B*

#### Graduate

#### **Improving Self-Efficacy in Flight Nurse Practitioners in Preparation for the Role of the Law Enforcement Tactical Nurse Practitioner**

Gregory Wamack



# WEDNESDAY, APRIL 17

## 10 a.m.–4 p.m. Textual/Investigative Oral Presentations

Undergraduate and Graduate

### 10 a.m. **The Carolingian Renaissance: Church and Culture**

Paul Aitchison  
*Active Learning Classroom (JFL 171)*

### **Deceptive Innocence: Exploring the Symbolic Interpretation of Purity in Little Billy’s Letters**

Lindsay Anton  
*Terrace Conference Room B (JFL 001B)*

### **Ireland and World War I: Why Irish Soldiers Fought**

Thomas Gillmeister  
*Terrace Conference Room A (JFL 001A)*

### 10:30 a.m. **“Frighted With False Fire”: The Hamlet Mousetrap as a Platonic Ascent**

Kaley Hutter  
*Terrace Conference Room A (JFL 001A)*

### **Smoldering Fire on the Mountain: The Wider Context of the Battle of Blair Mountain**

Benjamin Grist  
*Terrace Conference Room B (JFL 001B)*

### **The Trauma-Informed Church: An Investigative Study on Congregational Community in Trauma Recovery**

Joel Ogle  
*Active Learning Classroom (JFL 171)*

### 11 a.m. **Bridging Biblical Beliefs and Behaviors: Historical and Cultural Influence of Machismo in Latin America**

Kimberly Weaner  
*Terrace Conference Room B (JFL 001B)*

### **The Dynamics of Human Trust in Aviation Automation Technology**

Thomas Meyer  
*Terrace Conference Room A (JFL 001A)*

### **Unveiling the Power of Hitler’s Propaganda: Examining the Impact of the Propaganda of Adolf Hitler and the Nazi Regime on the Nation Before and During World War II**

Chandra Ely

## WEDNESDAY, APRIL 17

10 a.m.–4 p.m. **Textual/Investigative Oral Presentations** (Continued)

Undergraduate and Graduate

**11:30 a.m. Fundamentalism and Religious Art at Bob Jones University: Is There a Problem?**

Cheryl Mims

*Active Learning Classroom (JFL 171)*

**“I Like Her Best”: Motherhood and Revision in J.M. Barrie’s Pan Narratives**

Sadie Barham

*Terrace Conference Room B (JFL 001B)*

**Manumission, Willed, or Buying Their Freedom—From the Colonization of the New World to the Civil War**

Patrick Burghardt

*Terrace Conference Room A (JFL 001A)*

**Noon Caught in the Camelot: How Kennedy’s Assassination Preserved His Legacy**

Caleb Noble

*Terrace Conference Room A (JFL 001A)*

**Ending American Slavery Once and for All: Lincoln, Natural Law, the Bible, and the Federal Government**

Alexander Marks-Katz

*Active Learning Classroom (JFL 171)*

**The Looking Glass Self in Film: The Effects of a Positive Self Image**

Rebecca Kicinski

*Terrace Conference Room B (JFL 001B)*

**12:30 p.m. AI Propulsion of Globalization**

Aleksandra Drozd

*Terrace Conference Room A (JFL 001A)*

**Evita: The Unassuming Rise of Argentina’s Most Beloved First Lady**

Adaline Nolley

*Active Learning Classroom (JFL 171)*

**Media Impact on Stereotypes: How the Media Feeds the Bias Beast**

Emma Campbell

*Terrace Conference Room B (JFL 001B)*



# WEDNESDAY, APRIL 17

10 a.m.–4 p.m. **Textual/Investigative Oral Presentations** (Continued)

Undergraduate and Graduate

**1 p.m. Improper Divulgence: How Distrust and Poor Reporting Influenced Civilians' Views of the Three Mile Island Incident**

Dylan Cumbo

*Terrace Conference Room B (JFL 001B)*

**Obedience, Courage, & Loyalty: Revisiting the Story of the First Patch of the Army**

Harold Skinner

*Terrace Conference Room A (JFL 001A)*

**Your Land Is Our Land: Eminent Domain and the Common Good**

Karen Jones

*Active Learning Classroom (JFL 171)*

**1:30 p.m. Jungian Dream Analysis as Literary Theory: An Unexplored Route to Understanding the Unconscious Psyche's Impact on Literature**

Kaytlin Masters

*Terrace Conference Room B (JFL 001B)*

**“Times That Try Men’s Souls:” How the U.S. Army Stumbled Into the War of 1812**

Schuyler Ogden

*Terrace Conference Room A (JFL 001A)*

**Using Determination as a Contextual Drive for the Actions of ISIS and Their Enslaved Yazidi Women**

Hallie Metzker

*Active Learning Classroom (JFL 171)*

**2 p.m. “In God We Trust”: Reevaluating George Washington’s Religious Faith**

Cole Klicker

*Admin Conference Room (JFL 300)*

**“The Most Hopeful Time”: A Contextualization and Evaluation of Northern Irish Student Activism on the Cusp of the Troubles**

Sadie Deshon

*Terrace Conference Room B (JFL 001B)*

# WEDNESDAY, APRIL 17

10 a.m.–4 p.m. **Textual/Investigative Oral Presentations** (Continued)

Undergraduate and Graduate

**2 p.m. One Law to Rule Them All: Jurisdictional Conflicts in King Philip’s War**

Karen Jones

*Terrace Conference Room A (JFL 001A)*

**“We Do Not Make Pacts With Communists”: The Evolving Rhetoric of Argentine President Javier Milei in Relation to China**

Sawyer Deshon

*Active Learning Classroom (JFL 171)*

**2:30 p.m. Bureaus of Ungentlemanly Warfare: Comparing the Roles of Women in the Special Operations Executive and the Office of Strategic Services During World War II**

Adaline Nolley

*Terrace Conference Room A (JFL 001A)*

**Counting the Days: The Connection Between Chronology and Eschatology in the Early Church**

Jonathan Cook

*Terrace Conference Room B (JFL 001B)*

**The Imminent Crisis of Deepfake Porn**

Elaine Webb

*Active Learning Classroom (JFL 171)*

**3 p.m. Healing on the Home Front: Convalescent Homes in England During WWI**

Elizabeth Rogerson

*Terrace Conference Room A (JFL 001A)*

**Shadow Mimicking the Darkness: Hans Asperger’s Relation to National Socialism**

Dylan Cumbo

*Terrace Conference Room B (JFL 001B)*

**Understanding the Sublime: Objective Morality in the Divinity School Address**

Nicholas Moyer

*Active Learning Classroom (JFL 171)*



## WEDNESDAY, APRIL 17

10 a.m.–4 p.m. **Textual/Investigative Oral Presentations** (Continued)

Undergraduate and Graduate

**3:30 p.m. The Art of the Sword and Sand: Roman Gladiators and Man's Fascination With Martial Entertainment**

Ethan Pierce

*Terrace Conference Room B (JFL 001B)*

**Mija, Ñaña: The Evolving Role of Ecuadorian Women**

Adaline Nolley

*Terrace Conference Room A (JFL 001A)*

**The UN's Standard of "Revolutionary Feminism"**

Elaine Webb

*Active Learning Classroom (JFL 171)*

## WEDNESDAY, APRIL 17

### 1-3 p.m. Performing Arts Presentations

*School of Music Concert Hall*

Undergraduate and Graduate

#### 1 p.m. **Hannah's Gift: Lessons from a Life Fully Lived**

Lindsay Anton

#### 1:30 p.m. **The Dance of Dismissal: A Program Oral Interpretation**

Lindsay Anton

#### 2 p.m. **Birds of Society: Applying External Adjustments and Conceptual Metaphor to "The Importance of Being Earnest"**

Morgan Forehand

#### 2:30 p.m. **Music Therapy Techniques in the Commercial Music Industry**

Sarah Heath





# WEDNESDAY, APRIL 17

## 1-4 p.m. Basic Poster Presentations

*Carter Learning Commons*

### Undergraduate

#### **Altering the Composition of Lanconide Fingerprint Powder**

Lydia Buxa

#### **Analysis of an Amino Acid Labeled Fluorescent Dye**

Avery Roark

#### **Analysis of Anti-Müllerian Hormone Expression in the Ovary: Exploring Modified Immunocytochemistry Protocol for Laboratory Learning**

Byanca Gonzales and Victoria Raven

#### **Anti-Müllerian Hormone Gene Expression in Mouse Testes Elucidated via Reverse Transcription Polymerase Chain Reaction**

Christopher Oglesby

#### **A Cellular and Genetic Approach to Ehlers-Danlos Syndrome**

Parker Pruitt

#### **Challenges of a Changing Environment: Urban Development Impacts a Population of Eastern Box Turtles**

Anna Grace Aldridge and Kayla Natelborg

#### **Characterization of the *Aspergillus Flavus rdiA* Gene With a *rdi1Δ* Mutant of *C. Neoformans***

Nicholas Jones

#### **Characterizing Novel Peroxygenase Activity Found in Fruit Seeds of the Genus *Capsicum***

Sally Hess and Anna Collins

#### **Cholesterol-Fluorophore Bioconjugates**

Emily Bayliss

#### **Civil War Field Hospital: A Bloody Surgical Table's Link to the Past and Its Impact on Future DNA Analysis**

Natalie Spencer and Alyssa Spillar

#### **CRISPR Cas9 Mediated GFP Tagging of *cd79a* in *Danio Rerio***

Asia Eskaros

## 1-4 p.m. **Basic Poster Presentations** (Continued)

*Carter Learning Commons*

### Undergraduate

#### **Current Status of Fungal and Viral Infections of the Peaks of Otter Salamander and Sympatric Amphibians in Central Virginia**

Jordan Tennis, Hannah Stein, Jonah Partin, and Delilah Hughes

#### **Design and Synthesis of Endocannabinoid Enzyme Inhibitors for Potential Peripherally Selective Glaucoma Treatments**

Destiny Latia Keishara Braynen, Dominic Stone, and Drew Lipinski

#### **The Effect of Coplanarity on Organic Semiconductors**

Jessica Imad Farah Azar, Jack Gregory, and John Zelenka

#### **Efficient Synthesis of 5,6-Fused Ring Pyridazines for Advanced Organometallic Semiconductor Applications**

David Johnson and Nathaniel Poff

#### **Evaluating Competition Effects on CORT and Body Condition in *Plethodon hubrichti***

Jason Porter, Cassie Fox, and Cheyenne Brooks

#### **Evaluating Elevational Effects on CORT and Body Condition in *Plethodon hubrichti***

Cheyenne Brooks, Cassie Fox, and Jason Porter

#### **Examination of Putative Transcriptional Regulators in *Cryptococcus neoformans***

Felice Kho, Timothy Naff, and Ethan Carlile

#### **Formalin-Induced Neuropathic Pain in Mice**

Melissa Gerald, Joshua Kim, Davis Raz, Rebekah Revell, and Richard Tuttle

#### **GSR Analysis: The Importance of Viable Swab Kits**

Abbye Morgan and Bethany Heinz

#### **Identification and Composition Analysis of Various Animal Hairs Using SEM Microscopy**

Abigail Kimmey, Kate Ferro, and Andrew Albus



## WEDNESDAY, APRIL 17

### 1-4 p.m. **Basic Poster Presentations** (Continued)

*Carter Learning Commons*

#### Undergraduate

##### **Identification of Select Low-molecular Weight Compounds, Found in Coffee, That Promote Glucose Homeostasis in 3T3-L1 Adipocytes**

Brooke Chapple, Josiah Chung, Spencer Powers, Sierra Hall, and Alexis Ramerth

##### **Influence of SCP1 on Cryptococcus Neoformans Virulence**

Carleigh Warsing

##### **Investigation of New Pathological Markers in Cadaveric Nervous Tissue**

Richard Tuttle, Joshua Kim, and Adam Putney

##### **Investigation of Novel Endocannabinoid Enzyme Inhibitor ABHD2**

Richard Tuttle and Adam Putney

##### **Optimization of Bisguaiacol F Synthesis via Microwave Assistance**

Jessica Bryant and Nehemiah Jantomaso

##### **The Role for Casein Kinases in Glucose Sensing and Signaling in Yeast**

Le Gia Han Nguyen, Michael Crowder, Jaqueline Padilla, Isabelle Thompson, Anna DeWaard, Caleb Barkwell, and Tyler Elliott

##### **Structural Comparison of Fluoro-phenolic Compound Degradation With Peroxidase Enzymes**

Ashton Ware and Carson Farmer

##### **Synthesis and Analysis of Hydrochloride Salts Used as Adulterants**

Rachel Byrum, Noelle Murray, and Breanna Barstow

##### **Systematic Purification Scheme for Peroxidase Library Samples**

Sierra Numer and David Gilgor

##### **Using Molecular Data to Identify Lungless Salamander Kinds**

Kayla Natelborg and Adelyn Ackley

##### **Using Morphological Data to Identify Lungless Salamander Kinds**

Kayla Natelborg

##### **Using Taxonomic and Hybridization Data to Identify Lungless Salamander Kinds**

Kayla Natelborg and Adelyn Ackley

## WEDNESDAY, APRIL 17

### 1-4 p.m. **Basic Poster Presentations** (Continued)

*Carter Learning Commons*

#### Undergraduate

##### **Validation of Phencyclidine, Ketamine, and Dextromethorphan Using Miscellaneous Basic Drugs Quantitation and Confirmation by Liquid-Liquid Extraction Using Liquid Chromatography-Mass Spectrometry**

Kate Ferro

#### Graduate

##### **Cryptology for Christ: Steganography, Evangelism, and Closed Access Countries**

Christopher Jaus and Kaelyn Haynie

##### **The Mouse Mammary Tumor Virus Mediates the Antineoplastic Action of Decitabine**

Andrew Brola, Ryan Johnson, Cade Wycoff, William Wycoff, and Richard Tuttle

##### **Need for Control: Sensitivity of Polymerization Reactors**

Elijah Yoder

##### **Using Simulation and Experiments to Optimize Strength and Ductility in Metals Processed by Surface Mechanical Attrition Treatment**

Nathan Roberts

##### **Validation of ANSYS Fluent for Direct Numerical Simulation of Channel Flow**

Reid Prichard



# THURSDAY, APRIL 18

## 10 a.m.–1 p.m. Applied Poster Presentations

*Carter Learning Commons*

### Undergraduate

#### **Analysis of Rankings of Causal Factors of Substance Use**

Elizabeth Mathews, Kinsey Painter, Elizabeth Christinat, Emily Young, Katherine Bosch, Jordan Stackpole, and Isabelle Thibodeau

#### **Application of Antioxidants Within the Algae Biofuel Industry**

Aiden Jeffries, Chelsea Robson, Koby Hagen, and Thomas Major

#### **Assessing the Fluorescent Properties of Anthraquinone-Based Dyes**

Jack Gregory, Angielisa Sirard, and Richard Tuttle

#### **Autumn Migration Ecology of the Northern Saw-Whet Owl (*Aegolius acadicus*) in Central Virginia**

Genesis Bishop

#### **Community Health Assessments in Guatemala and Honduras**

Grace Sibert and Nicole Durham

#### **Detecting PFAS Using Molecularly Imprinted Polymers**

Joshua Kim

#### **Functionalizing Fluorophores for Protein Labeling**

Meghan Gardiner and Aidan Clancy

#### **Gender and Military Aviation**

Danielle Passburg

#### **Giving and Receiving Peer Feedback—Effect on Undergraduate Nursing Students' Knowledge Acquisition and Information Retention: An Exploratory Study**

Elyse Sumarsono

#### **Improving Student Engagement Despite Lowering Attention Spans in the Classroom**

Kaycee Lee

#### **Matairesinol and Its Metabolite Enterolactone Promote Glucose Uptake in 3T3-L1 Adipocytes via a Glut4/Akt-Dependent Mechanism**

Rochelle Miller, Abigail Frommack, and Seth Woodfin

# THURSDAY, APRIL 18

10 a.m.-1 p.m. **Applied Poster Presentations** (Continued)

*Carter Learning Commons*

## Undergraduate

### **Mental Toughness and Coping Skills in College Athletes**

Kaidon Salter

### **Name, Image, and Likeness: Assessing One's "Brand Identity"**

Nathan Sharp, Bayleigh Puryear, Matthew Miller, and Zachary Aller

### **Optimizing a Lab-Friendly Radical Bromination Reaction**

Alexander Glase

### **The Perceptions and Experiences of Divine Grace and Gratitude to God Among Christian and Non-Christian Populations: A Consensual Qualitative Research-Modified Approach**

Miriam Bowser, Korina Trout, Bethanie Dodd, Ruth Zeller, Alexis Evans, and John Tatarian

### **Postoperative Gastrointestinal Dysfunction After Neuromuscular Blockade Reversal With Sugammadex Versus Cholinesterase Inhibitors in Patients Undergoing Gastrointestinal Surgery: A Systematic Review and Meta-Analysis**

Luke Heimann

### **The Relationship Between Social Media Usage, Loneliness, and Mindfulness in College Students**

Edward Cook, John Paul Fryrear, Kailey Alberici, Trishajean Holt, Emily Davis, and Wyatt Price

### **Time to Tickle the Taste Buds**

Victoria MacLean and Brooke Chapple

### **When Life Gives You Circles: Calculating the Square Root of Two**

Isaiah Mellace and Joshua Kroeker

## Graduate

### **Antibiotic Prescribing Appropriateness in Telemedicine Versus In-person Visits**

Asonganyi Aminkeng

### **Assessment of Athlete Brand Identity: A Preliminary Investigation**

Elijah Kester



## THURSDAY, APRIL 18

10 a.m.–1 p.m. **Applied Poster Presentations** (Continued)

*Carter Learning Commons*

### Graduate

**Complementary Alternative Medicine (CAM) and Nausea and Vomiting During Pregnancy (NVP) Across Diverse Demographics: Pilot Data Collection**

Erin Chocklett, Katelyn McCleary, and Chinonso Eziechi

**COVID-19 Pandemic Experiences: Relationship With Loneliness of Current College Students**

Nicole Airesman, Alexis Delson, and Miriam Bowser

**Counting the Cost of Too Many C-sections in Low-Risk Deliveries**

Andrea Mackenzie

**Creating High Strength High Ductility Copper by Use of Position and Energy Controlled Surface Mechanical Attrition Treatment (PECSMAT)**

Joshua Clayton

**Demographic Trends of Annual Dental Visits by Adults (ages 18+) in Virginia, 2020**

Rachel Hanzes, Samuel Paulson, Michelle Salinas-Campos, Faith Dillmuth, Hyejoon Song, Christian Yi, Ginika Muomah, Oyebolu Aderinola Akinkugbe, Anita Bhatta, Miebaka Favour Roberts, Raymond Yovelanyine Suonyir, Chinonso Eziechi, Bright Agbotui, and Katie Lukasiak

**Exploring the Relationship Between Loneliness and Real-Time Measurements of GSR and HRV During Concept Mapping, and Cortisol and Oxytocin Levels**

Jangwon Seo, John Paul Fryrear, Hannah Vollmer, Isabella McCoy, and Andrei Sigunov

**Feelings of Loneliness and Their Associations With the Type of Social Media Use in College Students: Mixed Methods Study**

Andrei Sigunov, Jangwon Seo, Lucille Carter, Hannah Vollmer, Edward Cook, and Austin Nelson

**From Doom to Bloom: The Effects of Pre-Major Coaching on Undecided Student Persistence**

Lisa Wycoff

## THURSDAY, APRIL 18

10 a.m.-1 p.m. **Applied Poster Presentations** (Continued)

*Carter Learning Commons*

### Graduate

**GLP-1 Receptor Antagonists Medicaid Utilization Trends and Obesity Rates in the US**

Faith Magwenzi

**Impact of Body Dissatisfaction and Selfies and the Effect of Self-Compassion**

Amelia Jing Zhen Cheah, Jangwon Seo, Rachel Shirk, and Kathryn Reker

**Leveraging Cultural Sensitivity to Increase Opioid Reversal Agent Distribution**

Andrea Mackenzie

**Modeling for Creep-Fatigue-Induced Damage of Advanced High-Temperature Nuclear Reactor Steels**

Julian Emmanuel Tse Lop Kun

**Persistent Bilateral Lower Leg Pain in a Collegiate Swimmer: A Case Study**

Ashley Sennett

**The Sociocultural Factors Keeping Single American Men Out of International Cross-Cultural Ministry**

Caleb Rorke

1-2 p.m. **Applied Remote Poster Presentations**

*JFL 170B*

### Graduate

**The Lived Experiences of Immigrant Families Who Have a Child With a Disability**

Korin Lopez

**A Phenomenological Study Exploring the Factors That Contribute to Persistence in Online Doctoral Programs for Students With Learning Disabilities or ADHD**

Jerry Pitts





# THURSDAY, APRIL 18

## 10 a.m.–3 p.m. Textual/Investigative Oral Presentations

### Undergraduate and Graduate

**10 a.m. The Female Face of Brutality: Examining the Gruesome Acts of SS-Helferinnen**

Evelyn Loftin

*Terrace Conference Room A (JFL 001A)*

**Have Critical Theory and Postmodern Ideas Affected Liberty University's Mission, Practices, and Campus Life?**

Camila Alejandra Roldan Hernandez

*Terrace Conference Room B (JFL 001B)*

**10:30 a.m. Devastation Through Assimilation: The Struggle for Cultural Preservation in the Armenian Genocide**

Evelyn Loftin

*Scholars Lounge (JFL 380)*

**The Ponderous Tower: A Historiographical Examination of Austro-Hungarian Military Failings in the Great War**

Christian Mumpower

*Terrace Conference Room B (JFL 001B)*

**Samovars in the Snow: The Rise of a Distinctively Russian Tea Culture**

Abigail Coker

*Terrace Conference Room A (JFL 001A)*

**11 a.m. The Most Innovative Technology: The Da Vinci Robotic Surgical System**

Elaine Webb

*Scholars Lounge (JFL 380)*

**Sanitation and Outhouses: An Odd History**

Thomas Gillmeister

*Terrace Conference Room B (JFL 001B)*

**Spiritually Artificial: Divine Intersection Exploration**

Christopher Jaus

*Terrace Conference Room A (JFL 001A)*

## THURSDAY, APRIL 18

10 a.m.–3 p.m. **Textual/Investigative Oral Presentations** (Continued)

Undergraduate and Graduate

**11:30 a.m. Demons 101: A Comparative Understanding of Ancient Near Eastern Demons**  
Christopher Dykes  
*Terrace Conference Room A (JFL 001A)*

**Shifting the Nerves: The Evolution of Shell Shock and Its Treatment in the United Kingdom**  
Dylan Cumbo  
*Scholars Lounge (JFL 380)*

**Noon Devastation Through Assimilation: The Struggle for Cultural Preservation in the Armenian Genocide**  
Elaine Webb  
*Scholars Lounge (JFL 380)*

**12:30 p.m. Traces of the Past: German Romantic Influence on MacDonald, Lewis, Tolkien, and L'Engle**  
Suzanne Stem  
*Scholars Lounge (JFL 380)*

**1 p.m. In the Shadows of Conquest: The Modern Maya Syncretic Legacy**  
Kimberly Weaner  
*Scholars Lounge (JFL 380)*

**1:30 p.m. Code Girls in World War II**  
Madison Kelly  
*Scholars Lounge (JFL 380)*

**2 p.m. The Justification for the American and French Revolutions in Light of Romans 13**  
Analeise Wasenius  
*Scholars Lounge (JFL 380)*

**2:30 p.m. Montezuma Red: Red Lipstick in the United States Marine Corps During World War II**  
Adaline Nolley  
*Scholars Lounge (JFL 380)*



# THURSDAY, APRIL 18

## 10 a.m.–3:30 p.m. Creative and Artistic Oral Presentations

### Undergraduate and Graduate

- 10 a.m. Beyond the Horizon Glows: A Poetic Reimagining of Augustine’s Philosophy of Memoria**  
Sarah Tate  
*Active Learning Classroom (JFL 171)*
- The Unifier’s Tempest: Chapter One**  
Jacob Clark  
*Scholars Lounge (JFL 380)*
- 10:30 a.m. Sensory Room Design to Prevent Overstimulation in Those With Sensory Processing Disorders**  
Mary Schmidt and Abigail Stem  
*Active Learning Classroom (JFL 171)*
- 11 a.m. The Canticle of Life: Reimagining the World War II Bombing of Monte Cassino**  
Katherine Bechter  
*Active Learning Classroom (JFL 171)*
- 11:30 a.m. Faithful Obedience Breaking the Poverty Cycle in the Dominican Republic: Testimonial Documentary Proposal**  
Kayla Strzalka  
*Active Learning Classroom (JFL 171)*
- Noon The Sweet Lie**  
Rayah Smith  
*Active Learning Classroom (JFL 171)*
- 12:30 p.m. Background Radiation: The Symbolism of Film in a Creative Work**  
Jack Fanning  
*Active Learning Classroom (JFL 171)*
- 1 p.m. Generative Parables: AI as an Artform**  
Matthew Schultz  
*Active Learning Classroom (JFL 171)*
- 1:30 p.m. Open Quote Creative Branding**  
Noah Depledge, Avery Veenstra, and Hannah Gilmer  
*Active Learning Classroom (JFL 171)*

# THURSDAY, APRIL 18

10 a.m.–3:30 p.m. **Creative and Artistic Oral Presentations**  
(Continued)

Undergraduate and Graduate

2 p.m. **Applying Spring/Summer 2024 Fashion Trends to Modest Tween Fashion**

Hannah Grace Shirley

*Active Learning Classroom (JFL 171)*

2:30 p.m. **Place We Call Home: The Death of Human Flourishing in Non-Places**

Gioia Calabretta

*Active Learning Classroom (JFL 171)*

3 p.m. **The Need for Research in Storytelling: An Analysis of “I Haven’t Time”**

Jeremiah Schwind

*Active Learning Classroom (JFL 171)*

**The Psychology Behind Storytelling**

Stephanie Russak

*Scholars Lounge (JFL 380)*



## 1 p.m. Three Minute Thesis Competition (3MT®)

*Terrace Conference Room*

### Undergraduate

#### **The Advancement of Genome Editing Tools—A Blessing or a Curse?**

Haeun Tae

#### **Dolphin Skin CFD Analysis for Biomimetic and Hydrodynamic Applications**

Joseph Krahn

#### **The Future of Sound: A New Methodology for the Production of Modular Synthesizer Music**

Darius Holweg

#### **Improving Student Engagement Despite Lowering Attention Spans in the Classroom**

Kaycee Lee

#### **The Looking Glass Self in Film: The Effects of a Positive Self Image**

Rebecca Kicinski

#### **The Technical Code for Worship**

Rayah Smith

### Graduate

#### **The Comparison Between Two Aerobic Capacity Tests on VO<sub>2</sub>max in Ultramarathon**

Garrett Toms

#### **Counting the Cost of Too Many C-sections in Low-Risk Deliveries**

Andrea Mackenzie

#### **Cryptology for Christ: Steganography, Evangelism, and Closed Access Countries**

Christopher Jaus

#### **Devastation Through Assimilation: The Struggle for Cultural Preservation in the Armenian Genocide**

Evelyn Loftin

## 1 p.m. Three Minute Thesis Competition (3MT®)

(Continued)

*Terrace Conference Room*

### Graduate

#### **Effects of Two-Minutes Versus Four-Minutes Active Recovery on a “Booster” VO2MAX Treadmill Test**

Jelena Obretkovich

#### **Glories Eclipsed: The Unsung Legacy of August von Mackensen and His Army on the Eastern Front of World War I, 1914-1915**

Christian Mumpower

#### **A House Divided and the Hills They Died On: Hussite Factions and the Hussite Wars**

Maeghan Eggert

#### **An Integrative Approach to the Existential Problem of Evil in a Post-Pandemic World**

Jacob Byrd

#### **Manumission, Willed, or Buying Their Freedom—From the Colonization of The New World to The Civil War**

Patrick Burghardt

#### **One Law to Rule Them All: Jurisdictional Conflicts in King Philip’s War**

Karen Jones

#### **Optimized PID Controller for Atomizer Geometry: Artificial Intelligence Versus Traditional Methods**

Oluwafemi Samuel Dada

#### **The Relationship Between Imposter syndrome, Household Income, and Level of Education**

Miebaka Favour Roberts

#### **Shining Lights in a Crooked Generation: The Experiences and Impact of Soviet Evangelical Youth**

Abigail Coker

#### **Shadow Mimicking the Darkness: Hans Asperger’s Relation to National Socialism**

Dylan Cumbo



# THURSDAY, APRIL 18

1 p.m. **Three Minute Thesis Competition (3MT®)**  
(Continued)  
*Terrace Conference Room*

## Graduate

**Y Theory: A New Theory of Teaching Composition**  
Sophia Jantomaso

**Young Ireland: An Investigation Into the Events of 1848**  
Thomas Gillmeister

## Online Juried Arts

The following students submitted Juried Arts pieces for Research Week. If you would like to participate in the Juried Arts “People’s Choice” awards, view voting instructions on the Media Wall and on Facebook.com/LibertyULibrary.

### Undergraduate

#### 2-D **Animals in Occupations**

Cassandra Poorman

#### **Atlantis At War**

Aunna Leach

#### **Good Things Take Time**

Aunna Leach

#### **Gotta Have That Combo**

Aunna Leach

#### **Memories**

Aunna Leach

#### 3-D **Cypress Falls**

Jamie Paisant

#### **Distracted**

Amanda Solomon

#### **Dylan Andrews—The Vigilante**

Heather Roberson

#### **The Flight of the Marauder**

Jennifer Trahant

#### **Wax In A Bottle**

Aunna Leach

#### Graphic Design **Brand Campaign: The Bronze Rose**

Rachel Rosenberger

#### **Making a Comeback**

Tiana Carter





## Online Juried Arts (Continued)

**Graphic Design**   **Museum Exhibition Project: Hands of Extinction**

Katy Fulkerson

**Peter Pan Book Cover**

Cassandra Poorman

**Social Good Campaign: Speak Up Against Assisted Suicide**

Emily Del Grosso

## RECOGNITION OF JUDGES

Courtney Bailey  
Dr. Alexandra Barnett  
Dr. Shawn Bielicki  
Dr. Stephanie Blankenship  
Dr. Alex Boggs  
Dr. Travis Bradshaw  
Neal Brasher  
Dr. Heechen Cho  
Dr. Song (Joseph) Cho  
Dr. Will Coberly  
Jamaica Conner  
Dr. Nancy DeJarnette  
Donna Donald  
Hope Dornfeld  
Dr. Tom Doss  
Dr. Jodi Duncan  
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Julie Elms  
Dr. Brianne Friberg  
Dr. Michael Gibson  
Dr. Jonathan Giles  
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Giordana Morales-Spier  
Dr. Leon Neto  
Dr. Folashade Odedina  
Dr. Nancy Richardson  
Dr. Carey Roberts  
Dr. Cathy Roberts  
Roger Rome  
Dr. Jillian Ross  
Dr. Anita Satterlee  
Emma Sattler  
Cindy Schmidt  
Rachel Schwedt  
Dr. Diana Schwerha  
Deb Simmons  
Dr. Andrea Smith  
Chris Sneeringer  
Dr. Songsu Son  
Dr. Justin Stowe  
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Dr. Kevin Struble  
Dr. Robert Talley  
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Dr. Tracey Turner  
Nathan Valle  
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Andrew Volk  
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Joshua Wilson  
Dr. Jeremiah Winter  
Dr. Dana Woody  
Dr. Dan Yerrington  
Dr. Yan Xie  
Michael Zamperini



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Dr. Anthony Smith  
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Dr. Jeremiah Winter  
Dr. Jerry Woodbridge  
Dr. Dana Woody  
Dr. Joseph Wright  
Dr. Jing Xu  
Dr. Clark Zealand  
Nathan Zwald



# ACKNOWLEDGMENTS

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Jacob Haley  
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Caroline Swaney  
Jordan Tillas

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## TUESDAY, APRIL 16

### Session Cancelled

**1 p.m. Impact of Body Dissatisfaction and Selfies and the Effect of Self-Compassion**  
Amelia Jing Zhen Cheah, Kathryn Reker, Rachel Shirk, and Jangwong Seo  
*Terrace Conference Room B (JFL 001B)*

### Session Added

**1-4 p.m. The Effects of Hop Stabilization Training on Athletes With Chronic Ankle Instability: A Critically Appraised Topic**  
Michael Pells  
*Carter Learning Commons*

### Location Change

**2 p.m. Phenomenological Study of Resilience Among Native Americans**  
Mary Iaungayan  
~~Admin Conference Room (JFL 300)~~ *Scholars Lounge (JFL 380)*

**2:30 p.m. Reinventing Holistic Healthcare: Pastoral Perspectives of Biblical Insights for the American Healthcare System**  
Leanne Bergey  
~~Admin Conference Room (JFL 300)~~ *Scholars Lounge (JFL 380)*

## WEDNESDAY, APRIL 17

### Location Change

**2 p.m. In God We Trust: Reevaluating George Washington's Religious Faith**  
Cole Klicker  
~~Admin Conference Room (JFL 300)~~ *Scholars Lounge (JFL 380)*

## THURSDAY, APRIL 18

### Session Cancelled

**10 a.m.-1 p.m. Impact of Body Dissatisfaction and Selfies and the Effect of Self-Compassion**  
Amelia Jing Zhen Cheah, Jangwong Seo, Rachel Shirk, and Kathryn Reker  
*Carter Learning Commons*

**10:30 a.m. Devastation Through Assimilation: The Struggle for Cultural Preservation in the Armenian Geocide**  
Evelyn Loftin  
*Scholars Lounge (JFL 380)*

### Presenter Correction

**Noon Devastation Through Assimilation: The Struggle for Cultural Preservation in the Armenian Geocide**  
~~Elaine Webb~~ Evelyn Loftin  
*Scholars Lounge (JFL 380)*

## RECOGNITION OF JUDGES

### Judge Added

Dr. Michael Korn







# Research Week Passport

ATTEND FOR A CHANCE TO WIN A PAIR OF AIRPODS!\*

*Be one of the first 100 students to submit their completed passports to receive a 2024 Research Week T-shirt.*

## **Here's how to secure your entry:**

1. Attend one or more sessions in 4 different event categories.
2. Pick up a sticker at the event table.
3. Place your sticker on the corresponding circle below.
4. Return your passport to the Jerry Falwell Library welcome desk.

## EVENT CATEGORIES

See the full schedule for times and locations for all events.  
Please note: Poster session stickers are available at the welcome desk.



Keynote Address  
Monday, April 15 | 10:30 a.m.



Poster Presentations  
Monday-Thursday



Oral Presentations  
Monday-Thursday



Performing Arts Presentations  
Wednesday, April 17 | Noon-4 p.m.



3-Minute Thesis Competition  
Thursday, April 18 | 1 p.m.

NAME: \_\_\_\_\_

EMAIL: \_\_\_\_\_@liberty.edu

*\*Open to current Liberty University students only.*

## **How to vote for Juried Arts People's Choice Award**

Visit @LibertyULibrary on Facebook and like your favorite piece in the Research Week Juried Arts photo album by **Friday, April 18, at 4 p.m.**