

## **Welcome and plenary presentation – 8:45 a.m. Cantrell Banquet Hall**

Heather Evans, John Morton Beaty Endowed Chair in Political Science  
“Chicks Who Tweet: Gender Differences in Candidate Tweets Since 2012”

### **SESSION I – 9:25-10:25 a.m.**

#### **Chemistry and Applications of Metal-Organic Frameworks – Chapel of All Faiths**

**Moderator: Tegan Makal**

“Biophysical Characterization of the Metal-Organic Framework UiO-66 as a Potential Microbial Growth Inhibitor”

*Funding provided by the Fellowship in the Natural Sciences and the Van W. Daniel III Endowment*

*Madison Stacy*

“Metal Organic Framework UiO-66 as a Potential Antimicrobial *E. coli* and *S. aureus*”

*Funding provided by the Fellowship in the Natural Sciences and the Van W. Daniel III Endowment*

*Sydney Laney*

“Dye adsorption and selectivity properties of a copper-based metal-organic framework with highly aromatic ligand”

*Funding provided by the Fellowship in the Natural Sciences and the Van W. Daniel III Endowment*

*Abigail Edwards*

#### **Early Modern Literature and Culture – Dogwood Room**

**Moderator: Amelia Harris**

“Boccaccio 125 Years Later: Examining a Late Fifteenth-Century Portrait Medal”

*Funding provided by the Faculty Development Committee*

*John Mark Adrian*

“An Analysis of Kate from Shakespeare's *The Taming of the Shrew*: Was She Really Tamed?”

*Riley Yates*

“Costuming Shakespeare: *Twelfth Night*”

*Kass Smith*

## **Political Attitudes and Political Relationships – Smiddy 109**

**Moderator: Rachel Tighe**

“Do You Think it is Wise to Buy an Electric Car? Examining the Political Attitudes of UVA Wise Students toward the Environment”

*Elizabeth Peterson*

“Celebrity Political Endorsement Impact on Young People's Political Attitudes”

*Gustavo Marangoni*

“Unraveling the Web: Exploring the Parasocial Relationships and Media Dynamics in Right-Wing Podcast Audiences”

*Julia K. Weiss*

## **SESSION II – 10:35-11:35 a.m.**

### **Algae, Mollusks, and Plants – Chapel of All Faiths**

**Moderator: Tori Makal**

“Freshwater Mussels Prefer a Diet of Stramenopiles and Fungi over Bacteria”

*Funding provided by the National Science Foundation DUE 1833781 and Buchanan Endowment*

*Isabella Maggard*

“Sustainability & Phenological Studies for the Protection and Insight of Soldenseal (*Hydrastis Canadensis*)”

*Funding provided by the Fellowship in the Natural Sciences*

*Evelyn Kepley*

“*Fragilaria holstoni* (Bacillariophyceae: *Fragilariaceae*), a new species of needle-shaped diatom from a pond in the Appalachian Mountains of Virginia, U.S.A”

*Funding provided by the Buchanan Endowment*

*Bruce Caboon*

**Middle English Literature in Context – Dogwood Room**  
**Moderator: Don Leech**

“In-Scribing the Unknightly in Malory's *Morte Darthur*”  
*Funding provided by the Academic Enhancement Committee*

*Ken Tiller*

“An Analysis of the Wife of Bath using Boethius’s “Consolation of Philosophy””

*Madison Edmonds*

“The Wycliffian Theology of *Pearl*”

*Max Turner*

**Student Plays – Black Box Theater**  
**Moderator: Jacob Somervell**

“Time Road”

*Abigail Welch*

“A Virtual *Vox Populi*”

*Colton Strouth*

“Mom and Pop”

*Brock Davidson*

“Just Another Day”

*Brantley Oakley*

## SESSION III – 1-2 p.m. Posters in Cantrell Banquet Hall

“Software Engineering Capstone 2023-2024”

*Granville Amos*

“Louisiana 6 - Gerrymandered or not?”

*Olivia Baker*

“Digital Nation: The Impact of Technology Use on College Students”

*Olivia Baker*

“Death and Injustice: The relationship between morality salience and just world beliefs on meaning in life”

*Funding provided by the Ronald E. McNair Baccalaureate Program*

*Haley Caviness*

“Recognizing Faces, Objects, and Words”

*Astrid Charles*

“AI Analysis of Biologic Data”

*Christopher Freeman*

“If it Bleeds, it Leads: An Analysis of Local News in Southwest Virginia & Northeast Tennessee”

*Funding provided by the Slemp Summer Scholars*

*Pria Funk*

“Development of modulator-as-payload using Zr-MOFs”

*Funding provided by the National Science Foundation DUE 1833781 and Van W. Daniel III Endowment*

*Kert Gibson*

“Putting Policy into Practice: A Qualitative Analysis of Front-Line Care Work in Human Services”

*Funding provided by the Slemp Summer Scholars*

*Julianna Jenkins*

“Eating to fill the void: existential isolation and healthy eating”

*Funding provided by the Slemp Summer Scholars*

*Gracie Johnson*

“Air Quality Monitoring System (AQMS): Improving Environmental Research and Decision-Making”

*Jason Mensah-Homiah*

“Advocating for Updated and Current Literature in Libraries”

*Carleigh Ray*

“Katherine Johnson: Counting the Path to Success”

*Brynna Robinson*

“Appalachian Veterans”

*Charlie Sage*

“Tobacco Use (FamHealth): A Community-Based Peer-Mentoring Program”

*Funding provided by the Virginia Foundation for Healthy Youth*

*Cody Sanders, Kara Wiseman, Brenna Robinson, Lindsay Hauser,  
Tiffany Jacobs, Amelia Brandy, and Melissa Little*

“Using Spatial Analysis Techniques to Predict Septic System Failure in the Dan River Region”

*Leo Shaffer*

“Dispersion patterns and mortality rates associated with wildlife-vehicle collisions involving Eastern Newts (*Notophtalmus viridescens*) in Virginia's Cumberland Mountains”

*Rachael Sproles*

“Bringing Compost to the Wise County Coalfield Region”

*Madison Stewart*

“UVA Wise Large Language Model”

*Noah Sturgill*

“Pleistocene Appalachia: Recreating Ice Age Megafauna Through Art”

*Aidan Wells*

“Religious and Spiritual Struggles as a Predictor of Existential Isolation”

*Victoria Wright*

“Digital Disaster: The Effects of Excessive Technology and Problematic Parental Device Usage on Social Development in Early Childhood”

*Ashley Wyatt*

## **SESSION IV – 2:10-3:10 p.m.**

### **Human Impacts on the Environment – Chapel of All Faiths Moderator: Robert Arrowood**

“Endocrine Disrupting Chemicals in the Clinch River”

*Destiny Bellamy*

“An Investigation into *Actaea*”

*Funding provided by the Fellowship in the Natural Sciences*

*Matthew Sullivan*

“A Double-Edged Sword: Ecotourism Development on Former Surface Mines Reduces Habitat Quality for Pool-Breeding Amphibians”

*Wally Smith*

“Monitoring Restoration Efforts for Eastern Hellbender (*Cryptobranchus alleganiensis*)”

*Funding provided by the Fellowship in the Natural Sciences*

*Emily Clark*

**Community, Land, and Connection – Dogwood Room**  
**Moderator: Eric Smith**

“Commercial Gentrification in Germantown and North Nashville”

*Ananya Cheela/Katherine Everhart*

“The Small, the Human, the Grass-Roots.” Understanding the Back-to-the-Land Movement as an Expression of the Politics of Localism”  
*Funding provided by the Academic Enhancement Committee*

*Jinny Turman*

“crumbs of color can create / precision”: E. E. Cummings’ Kinaesthesia, “Self-Metaphorizing,” and the “American” Sonnet”

*Gillian Huang-Tiller*

**Musical Compositions and Performances – Choir Room**  
**Moderator: Rick Galyean**

“Pain: Catharsis through Musical Composition” and “Elephants? A Tuba's Story”

*Ian Maxie*

“Unveiling the Journey: My Compositional Path”

*Dawson Mullins*

“Canticle for Wind Orchestra: A Composer's Insight”

*Donnie Sorab*

**SESSION V – 3:20-4:20 p.m.**

**Medical Settings, Nursing, and Physics – Chapel of All Faiths**  
**Moderator: Nancy Haugen**

“The Effect of the Hospital Environment on Children and their Families”

*Ashley Shortridge*

“The Relationship Between Nurse-to-Patient Ratios and Nurse Specific Patient Outcomes”

*Sarah Slemp*

“The Oddity in Free Fall Motion: Galileo to Modern Pedagogy”

*Funding provided by the Fellowship in the Natural Sciences*

*Michaela Hall*

**Mortality, Religiosity, and Programming Languages – Dogwood Room**  
**Moderator: Julia K. Weiss**

“Scared to death: Cortical levels increase following mortality salience”

*Funding provided by the John Templeton Foundation*

*Trevor Morris*

“The Relationship Between Religious and Spiritual Struggles and Quest Religiosity”

*Rachel Perez*

“Developing a Stack-oriented Programming Language with Postfix Syntax”

*Zander Wells*

**Local Economic and Education Concerns – Smiddy 109**  
**Moderator: Zafar Khan**

“Cost-Benefit Analysis: Small Modular Reactors in Southwest Virginia”



*Funding provided by the Slomp Summer Scholars*

*Bryson Roberson*

“In the wake of crisis: Teachers as caregivers in rural Appalachia in the aftermath of the opioid epidemic”

*Carlie Tomlinson*

“Retention and Student Mental Health”

*Cloey Bailey/Haylee Gomez*

## **Art of Appalachia – Choir Room**

**Moderator: Tegan Makal**

“Pleistocene Appalachia: Recreating Ice Age Megafauna Through Art”

*Aidan Wells*

“Appalachian Veterans”

*Blane Sage*

**Reception in Cantrell Banquet Hall @ 4:30pm**