

*Leap Forward with KHR!*



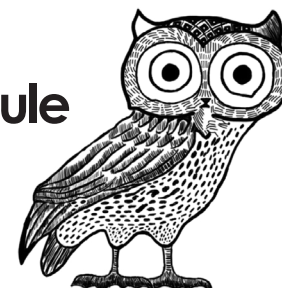
hosted by the  
**UNIVERSITY OF LOUISVILLE**  
*February 28-29, 2020*

# Kentucky Honors Roundtable

2020 Spring Conference

University of Louisville

## Quick Schedule



### FRIDAY, FEBRUARY 28

4:45 - 5:15	<b>Registration</b> , University Club & Alumni Center
5:30 - 7:00	<b>Dinner</b> , University Club & Alumni Center
7:30 - 9:00	<b>Six Degrees of Separation</b> , the Playhouse

### SATURDAY, FEBRUARY 29

7:45 - 8:20	<b>Check-in and set-up</b> , Belknap Academic Building (BAB) First Floor Lobby
8:30 - 9:20	<b>Session A</b> , BAB Classrooms (see schedule)
9:30 - 10:20	<b>Session B</b> , BAB Classrooms
10:30 - 11:20	<b>Session C</b> , BAB Classrooms
11:30 - 1:00	<b>Lunch</b> , The Ville Grill <b>Meeting of Deans, Directors, Faculty &amp; Staff</b> , Threlkeld 132
1:10 - 1:40	<b>Session D</b> , HUM 100
1:10 - 2:00	<b>Poster Sessions</b> , BAB First Floor Lobby
2:10 - 3:00	<b>Session E</b> , BAB Classrooms
3:15	<b>Farewell</b> , BAB 130

## SESSION A • 8:30 - 9:20 AM

A.01	BAB 239A
Hannah Saffel <i>Murray State</i>	<b>Virtual Reality in Business</b>  A presentation on research of virtual reality and its current place in the market. It will examine the history of VR technology and its viability as a business and consumer-level product.
Kelsie Head <i>EKU</i>	<b>Tax Administration Characteristics' Impact on Taxpayers' Perception and Compliance</b>  This presentation analyzes characteristics of tax administration systems that affect the taxpayers' perception and compliance. The characteristics analyzed are: process of filing; pressure to file; and motivation techniques. These characteristics are evaluated to determine the extent to which they impact the taxpayer's perception and compliance, and further to what extent the perception of the administration leads to compliance. The results are collected through research of tax administrations world-wide - specifically characteristics that were believed to affect compliance rates - alongside a survey conducted among a sample of the Eastern Kentucky University population.
Sam Kessler <i>UofL</i>	<b>KY Policy Development Strategies in Distillery Byproducts and Biomass Energy</b>  This presentation will showcase the author's efforts in Kentucky state policy development and advocacy through independent research as a Grawemeyer Scholar at the University of Louisville. This effort developed a model for legislative development through public service, stemming from a coalition between university student researchers, faculty, industry organizations, vetting organizations, elected state offices and cabinet members. A policy focus unique to KY is addressing bourbon-industry wastes, and growth of a potential biomass-energy sector, by developing a tiered tax credit incentive model for stillage waste management and unique modification of existing tax-credits. Presented results stem from economic, environmental, and political/policy investigation.

*A note: Presentations were arranged loosely by topic and with the intent of encouraging scholars from different universities to meet and share ideas.*

A.02	BAB 239B
Savannah Trussell <i>Bellarmine</i>	<b>Safety and Feasibility of Lower Extremity Cold-compression in Healthy Older Adults</b>  Cold-compression (CC) therapy has been shown to reduce pain and inflammation after exercise in young, healthy adults. This therapy also has the potential to relieve pain and inflammation from older adults, especially those suffering from chronic conditions. However, to determine if CC is a safe modality for older adults, both older (65+) and young (18-30) adults were recruited for a 15-minute bilateral lower extremity therapy session. This study showed that CC was well tolerated in the older adults and displayed similar changes in outcome measures as in young adults to the therapy session.
Peyton Brock <i>EKU</i>	<b>Examining Healthcare Disparities in Rural Areas Across the Globe: Appalachia vs Thailand</b>  Within this study, health disparities of rural areas are examined using global comparisons of Appalachia and a region within northern Thailand. This task is accomplished with a discussion of experience in the rural healthcare field accompanied by literature reviews. Challenges and successes of public health initiatives like acts of legislature, free clinics, health education and disease prevention programs will be identified. The project will gain the global perspective by comparing the efforts observed while participating in a public health internship in Thailand.

A.03	BAB 408
Anam Ahmed <i>UofL</i>	<b>Mean or Nice?: Children's Willingness to Update Beliefs in the Social Domain</b>
<p>Children label others based on their behaviors but it's unclear whether children will update someone's label in the presence of counter-evidence (e.g., when a "nice" person does something mean). In the current study, we presented twenty-five 5- and 6-year-olds with characters that were labeled "nice" but were described performing mean behaviors. Participants then were asked to re-label the character as mean or nice after each behavior. We found that 40% of children updated the character's label to "mean," while 48% of children maintained that they were nice. Individual differences may be influencing whether children update their beliefs about others.</p>	
Ethan A. Fowlie <i>EKU</i>	<b>Numerical Investigation of Heat Transfer and Gypsum Calcination under Fire Exposure</b>
<p>Quantitative analysis of the depth of calcination caused by fire is of great use in fire investigations. The rate and depth of calcination through board are dictated by the heat and mass transfer through it caused by incident heat flux. The predicted histories of heat flux and surface temperature from FDS have been used as boundary conditions to predict the depth of calcination of the gypsum board using a validated in-house one-dimensional unsteady computational model. The model predicts the rate of gypsum calcination and helps quantitatively to analyze fire patterns on gypsum boards exposed to fire at varying distances.</p>	
Hannah Addington <i>UK</i>	<b>Terminal Denial and Greed: How Poor People are Paying for the Climate Change Conspiracy</b>
<p>Climate change is a human biproduct that is killing our planet. Christopher C. Horner, a Sr. Fellow at CEI, authored Red Hot Lies to spread his conspiracy theory that Big Business and the governments of the world are making a mountain out of the climate change mole hill. I deconstructed Horner's piece using research conducted by organizations such as the United Nations to form the foundation of my argument that that denialists and conspiracy believers' ideals are keeping the much needed distribution of resources from happening and thus threatening life as we know it.</p>	

A.04	BAB 409
Afi Henriette Tagnedji <i>UofL</i>	<b>Unleashing Student Voice for Structural Change</b>
<p>Student voice is recognizing and acting upon the fact that we students are the primary stakeholders in our own education. It is important that students understand that students can affect education structure - from defining affordability to making the rules about what it means to be safe. My presentation is on the role of qualitative research and is collected directly from students by students in those movements here in Kentucky. I use models from my work with the Prichard Committee student voice team, the Bill and Melinda Gates foundation, and <i>National Geographic</i>.</p>	
Autumn Robinson <i>EKU</i>	<b>An Enrollment Dilemma: How Post-Secondary Education at ECU can be Improved</b>
<p>As college enrollment drops every year, many are questioning the worth of a college education. ECU is no exception to these statistics. In this presentation, we discuss how ECU can improve both their enrollment and retention.</p>	
Mel Blank, Spencer Cox <i>UofL</i>	<b>Community Outreach in Honors</b>
<p>There are a lot of ways to increase community outreach as an Honors Program, one of the easiest being through service. This can be challenging, however, when you run into common problems such as getting people to show up consistently or making sure the service being done is beneficial to the community. Through our experiences in the UofL Honors Program, we will outline the best ways to keep people involved throughout multiple years &amp; highlight all we have done to get people to volunteer independently and more frequently. Additionally, guidelines we have created to make sure our service is worthwhile and beneficial will be shared. We will show that overall, creating a community around beneficial service is crucial to continuous service events that positively impact the community.</p>	

## SESSION B • 9:30 - 10:20 AM

A.05	BAB 412
<p>Nora Alshimary <i>UofL</i></p> <p>According to the Pew Research Center in 2017 13.7% of the US population were 1st generation immigrants. These are American-born citizens with foreign born parents, a hybrid of their parents' homeland and their homeland, America. As a 1st generation immigrant, life is a daily challenge of deciding what facets of my blended culture I should emphasize. I want to bring to light the issues facing many 1st generation individuals, especially my age, and how we as a community unintentionally neglect them, usually because it's under the assumption they have found their place in their current society.</p>	<p><b>One Foot in Either Door</b></p>
<p>Emmanuel Fasipe <i>Bellarmino</i></p> <p>The objective of the study is to examine the perceptions that racially minoritized immigrant students have of student services on a U.S. college campus. This study is interested in discovering the levels of impact student services have on students' sense of belonging. The study will focus on racially minoritized immigrant students attending Bellarmine University. The focus of the research is to voice the perceptions of students who fall under the minoritized identity, to examine what their attitudes towards student support services are, and to explore what their narratives might reveal about how they feel and think about their college experience.</p>	<p><b>Examining Racially Minoritized Immigrant Students' Perception of Support at a U.S. Higher Institution</b></p>
<p>Nicole Flach, Shelby McCubbin, Keaton Sant, Hannah Thomas, Sukruthi Yerramreddy <i>UK</i></p> <p>Informed by research on social media activism from our HON 252 course The Revolution Will Be Instagrammed? Documenting Activism on Social Media, we developed a social media hashtag campaign #FlagOnThePlay and account on Twitter. This presentation will discuss our social media strategies for virality and social change. Just as a "flag on the play" in sports signifies the violation of rules, our hashtag #FlagOnThePlay signifies the violation of basic human rights and decency. Our playbook is social justice, and the end zone is equality. We hope that by flagging tweets and debunking troubling myths, we will be able to inspire a more just and liberated way of thinking.</p>	<p><b>#FlagOnThePlay: An End Zone of Equality</b></p>

B.01	BAB 239A
<p>Henrietta Ransdell <i>UofL</i></p> <p>After working 5 weeks on-site at the Oristano estate, I have learned not only a lot about archaeological practice but also the local culture and economy of Bluefields, history of the area, and specificity of the natural environment of Southwest Jamaica. Practicing terrestrial and underwater archaeology throughout the month, our team worked to unearth colonial artifacts and evidence of historical imposition within the area. One of the largest takeaways is the ability of teams, such as us from the U.S., to be supportive and collaborative as opposed to intrusive and exploitative. The development of archaeological practices have taken many turns from exoticism, to looting, to the "Indiana Jones", but now we can problematize this field and its traditional practices to challenge archaeology to become more inclusive. I hope to share the benefits and shortcomings of my experience on-site, and propose some hopes for the future of inclusive archaeology.</p>	<p><b>NOT Indiana Jones: Unearthing Evidence of Colonial Imposition in Bluefields, Jamaica</b></p>
<p>Quinn Andrews <i>UK</i></p> <p>This presentation analyzes characteristics of tax administration systems that affect the taxpayers' perception and compliance. The characteristics analyzed are: process of filing; pressure to file; and motivation techniques. These characteristics are evaluated to determine the extent to which they impact the taxpayer's perception and compliance, and further to what extent the perception of the administration leads to compliance. The results are collected through research of tax administrations worldwide - specifically characteristics that were believed to affect compliance rates - alongside a survey conducted among a sample of the Eastern Kentucky University population.</p>	<p><b>Federal Restrictions in Pharmacotherapeutics: Motivations for Medicinal Alcohol Prescriptions During Prohibition</b></p>
<p>Evan Clark <i>UofL</i></p> <p>I will give a PowerPoint presentation concerning my ongoing senior honors thesis and its findings. My thesis identifies parallels between the political thought of Bartoloma de las Casas regarding international interventions and twenty-first century arguments about international influence in the Venezuelan crisis. My aim is for the project to widen scholarly understanding of Las Casas, the Venezuelan crisis, and the continuity of particular approaches to international relations and political thought. In my presentation, I will present the findings of my thesis and will explore their implications for further scholarly investigation of Las Casas, the Venezuelan crisis, and international relations theory.</p>	<p><b>From Valladolid to Venezuela: The Legacy of Las Casas in the Current Venezuelan Crisis</b></p>

B.02	BAB 239B
Madeline Williams <i>UK</i>	<b>What's the Harm in Believing?: A Field Observation of "Ancient Alien" Discourse on Reddit</b>
<p>"Ancient Aliens" consist of a variety of myths and legends that have excited many conspiracy theorists, stripped indigenous people of their historical accomplishments, and founded skepticism in social institutions. Reddit, an online network of communities, is home to a variety of ancient alien related discourse. My field observation of r/AncientAliens and r/conspiracy demonstrated that many "Ancient Alien" believers and non-believers are more similar than one might assume when the different arguments are analyzed. Both sides pick out logical fallacies, utilize their perceived understanding of science, and back up their arguments with evidence that they believe to be credible.</p>	
Hannah White <i>UofL</i>	<b>BTS, The Beatles, and the Meaning of "Boyband"</b>
<p>This presentation aims to examine both the construction and consumption of boybands throughout history, with an emphasis on the comparisons and contrasts one can make between The Beatles and BTS. How has the conversation surrounding boybands evolved over the years? What effects do their followings of mainly young women have on popular culture across the globe? This presentation aims to explore these themes and questions.</p>	
Abby Bigham <i>Murray State</i>	<b>A Social Network Analysis of Characters in Season 3 of <i>Stranger Things</i></b>
<p>Network science is an area of applied graph theory in which relationships of different entities can be described by a graph. Networks can be applied across different areas including computer science, political science, and fictional arts. We will use network analysis to model the relationships of the characters in the third season of <i>Stranger Things</i> and how they contribute to the evolution of the plot line by analyzing character interactions in each scene. We will consider degree, closeness centrality, betweenness centrality, and PageRank and use these measures to draw conclusions about the major characters in <i>Stranger Things</i> 3.</p>	

B.03	BAB 408
McKenzie Garrett, Rebecca Norton, Abi Hester, Emily Grindstaff <i>EKU</i>	<b>Calling for Change in Educators' Approach of Students with Autism and Deaf, Hard-of-Hearing, and Blind Students in Music; Children's Literature; and Creativity</b>
<p>The classroom is where students spend a majority of their lives from ages five through eighteen. Much of what makes up a person is learned and/or developed in school. The job of the educator is to provide an environment in which a student may learn and grow. As education majors in varying concentrations, we aim to identify some common issues seen in modern education and offer potential solutions for these areas in which education is currently lacking.</p>	
Daphne Woolridge <i>UofL</i>	<b>Comprehensive Lesson Planning</b>
<p>How do you engage your students while also ensuring they get the education they deserve? I'd like to present my comprehensive lesson plan surrounding reading, writing, language development - all while explaining why these detailed lesson plans are so important.</p>	
Belinda Candra <i>Morehead State</i>	<b>Children's Understanding of Analogue Time-keeping using a Numberless Ideal Clock: Longitudinal View and Potential Misconceptions</b>
<p>School mathematics standards in Kentucky include how to read analogue clocks in their grades 1 and 2 syllabi. However, recent national and international media reports indicated that an ever-increasing proportion of young students are unable to read these devices because most clocks and watches with which they are familiar are digital. The purpose of this study is to document the understanding of reading numberless ideal analogue clocks in grades 4, 6, 8, 10, and 12 students in Rowan County School District. Anonymously, students complete a short 9-item questionnaire with clocks to be read. Then, the data will be analyzed using descriptive and inferential statistics, with a particular emphasis on incorrect responses, which can be used to infer potential student misconceptions about reading analogue clocks.</p>	

## SESSION C • 10:30 - 11:20 AM

B.04	BAB 409
Amaiya L. Crawford <i>UofL</i>	<b>Fangs and Claws: Femininity, Queerness, and Color in Horror</b>
A presentation that discusses the representation of black queer women in horror films and how certain aspects of vampires and werewolves can lead to better understand for those not privy to those identities. The thesis statement of the paper that the presentation will be based on goes as follows; Humanoid monsters in Hollywood horror films can facilitate understanding of queer women of color's (WOC) location in the culture, but the limitations of this gateway only serve to illustrate the paucity of representations available.	
Alyssa Hubbard <i>Murray State</i>	<b>Fragments of Love: Sappho, Persephone, and the Impact of a God upon Love</b>
In Plato's Phaedrus, Socrates introduces the concept that dedication to a particular god directly influences the love language of the worshiper. By applying this concept to the great Greek poet Sappho, a conclusion can be drawn that the deity which impacts her in this is none other than Persephone, the goddess of Spring and Queen of the Underworld. These two major sides to the Goddess inspires a similar duality in Sappho which expresses itself in the fragments we have of her poetry. Understanding this relationship changes the lens with which we view both Sappho's poetry and Sappho herself.	
Emma Vaught <i>UK</i>	<b>Sensually and Shamelessly Made</b>
Using Elizabeth Schussler Fiorenza's definition of critical feminist hermeneutics of liberation, I assert that Nadia Bolz-Weber in her spiritual memoir Shameless: A Sexual Reformation advances a new Christian sexual ethic that rejects purity culture.	

C.01	BAB 239A
Elizabeth DeBord <i>Morehead State</i>	<b>British Gay Activism in the 1980s: A Response to the Thatcher Era</b>
An examination of Thatcher's time in office through the activities of the rising gay rights movement can determine the effect of Thatcher's tenure on activism. Was the increase in LGBT activism during the 1980s a response to the politics and public persona of Margaret Thatcher? Speeches and laws passed by the Thatcher government are a good reflection of the social climate of 1980s Britain and Thatcher's own opinions on social issues. Accounts of protests across Britain organized by LGBT activists show unintended mobilizing effects Thatcher's policies had on the gay rights community. Using speeches, personal correspondence, surveys and records of activism supported by secondary sources this paper will analyze the role Thatcher had in the growing gay rights movement in 1980s Britain.	
Sarah King <i>EKU</i>	<b>Explaining Political Polarization in the United States</b>
In this presentation I will provide an overview of the academic literature regarding political polarization in the American electorate, with particular focus on work written by Morris Fiorina and Alan Abramowitz. Fiorina and Abramowitz provide an excellent example of the discourse regarding this topic because they stand on opposite sides of the argument. Abramowitz contends that the electorate in the United States can be politically polarized and Fiorina does not. This presentation will review other literature and supporting empirical data to ultimately argue that polarization does exist. I will also discuss the causes of polarization and possible solutions.	
Alex Michalak <i>UofL</i>	<b>The Camorra: The Underground Italian Crime Syndicate</b>
Due to internationally recognized crime activity and Hollywood adaptations of Mafia culture, the Italian-American and Sicilian Mafia are the two most infamous crime organizations in America. However, a lesser known crime syndicate originating in Italy's Campania region, the Camorra, dominates Italy today. The Camorra is not only well-established, but also has high clan activity in present day Italy in comparison to better known groups. In this presentation I plan to reveal the history and relevance of the Camorra, along with exploring its activity in drug trafficking, counterfeiting, money laundering, and much more.	

C.02	BAB 239B
Marley Alexander <i>Bellarmino</i>	<b>Correlates of Physical Activity Participation Among Physical Therapy Patients: A Social Cognitive Examination</b>
This study examines the Social Cognitive correlates of physical activity amongst patients currently receiving physical therapy to better understand how beliefs and perceptions relate to this health promotive behavior. Participants are recruited from the Service Learning Clinics at Bellarmine University (N=20). Participants will complete a battery of questionnaires, which will assess sociocultural factors, outcome expectations, goals, and self-efficacy, as well as participants' leisure-time activity. This information could be widely beneficial to both physical therapy patients and practitioners as a resource to better understand underlying perceptions towards therapy.	
Jensen Smith <i>UofL</i>	<b>Microbubble-Induced Aggregation of Red Blood Cells</b>
Each year, millions of people around the world are unable to receive life-saving blood transfusions because blood requires constant refrigeration and expires after only 42 days. By freeze-drying the red blood cells, they can be stored as a thermally-stable powder for years after they were donated. This is accomplished by loading preservatives into the red blood cells using sonoporation. The microbubbles, however, used in the process can cause red blood cell aggregation and cell death. This project focused on discovering how the lipid microbubbles cause aggregation and how to modify the loading buffer to account for the consequential toxicity.	
Emma Benson <i>Murray State</i>	<b>A Review of the Cost-Effectiveness of Alcohol Disinfection Caps in Clinical Practice</b>
This descriptive study examined four hospitals in the West Kentucky and West Tennessee areas and the use of alcohol caps in infection control. This study was designed to evaluate whether the alcohol caps are cost-effective and see if they could be added to "best practice." The results of this study show that two of the four hospitals interviewed use the alcohol caps, and that all hospitals have had a reduction in CLABSI rates over the past five years. The data indicates that the hospitals which use the alcohol caps save money because of the reduction in CLABSI rates.	

C.03	BAB 408
Amy Keith <i>UK</i>	<b>Distinctive and Unique People: Healthcare Students' Discomfort in Defining Diversity</b>
Many students' conceptualizations of diversity evolve during college. Our project examined how pedagogical exercises expanded pre-healthcare students' understanding of diversity by asking students to participate in a Cultural Competency in Healthcare course that involved service-learning, small group discussions, and experiential activities. Preliminary results indicate discomfort shifted from avoiding the topic of diversity to the discomfort of cultural competence as a lifelong process. Discussion will include tying these themes to Growth Models and White Fragility, and looking at the nature of dialogue surrounding the topic of diversity. This data will provide better insight towards how discomfort is embodied and changes perspective.	
Emily Behr <i>UofL</i>	<b>Music, Resistance, and Resilience in Palestinian Refugee Camps</b>
I will give a presentation on my experiences teaching Palestinian refugee students in Lebanon this past summer. I'm still working out some of the details of the presentation, but it will focus on the musical/English education of the students and their day-to-day reality of living in the camps. It will also raise awareness about the plight of Palestinian refugees in Lebanon and ways to support their community. Palestinians have been living in Lebanon since they were forced out of their homeland in 1948, and my presentation will discuss the ways in which they have lived through this experience.	
Anna Zimlich <i>Bellarmino</i>	<b>How Have Feminist Theorists Posited Ways to Reduce the Binary of Gender: An analysis of texts by Shulamith Firestone and Dorothy Dinnerstein</b>
The focus of this presentation is on the gender binary and steps to lessening the dichotomous thinking surrounding it. This will be demonstrated through the analyzation of two feminist theorist texts: <i>The Dialectic of Sex: The Case for Feminist Revolution</i> by Shulamith Firestone and <i>The Mermaid and the Minotaur: Sexual Arrangements and Human Malaise</i> by Dorothy Dinnerstein. Both of these influential writings were published in the 1970's and there is much to consider about the proposals they put forth in light of the modern research available today.	

C.04	BAB 409
Leah Walker <i>WKU</i>	<b>Heaven's Wars</b>
<p><i>Heaven's Wars</i> is a novel written for an Honors Thesis project. It is about a character named Isaac who is a Distractor in Heaven's Army. Distractors work for The Kingdom of God, and their faith is tested through struggles to reconcile what they want versus what the Heavenly Army is calling them to do. Isaac and his partner Hannah are called to sacrifice their own wants and desires - including each other - and grapple with wanting to be obedient to God and having to give up their entire selves for the Greater Plan.</p>	
Red Long <i>Thomas More</i>	<b>Interactive Storytelling on Stage - Colours of the Company</b>
<p>Presenting on experience collected from doing an interactive, multi-ended theatrical performance written and co-directed by the presenter. The play had two endings and three major decision points where the audience helped decide what characters did, thus determining the ending.</p>	
Eve Kopsolias <i>UofL</i>	<b>Artistic Fangirl Meets Scientific Research: A Match Made in Heaven</b>
<p>With a PowerPoint to aid visually, I want to share my research in last semester's "sci-fi" honors course in the form of comedic storytelling (my career path). I plan to engage with my audience throughout, possibly using volunteers at times. My ultimate goal is to showcase the ability to approach intellectual or scientific research through a fun, artistic and personalized lens.</p>	

C.05 (PANEL)	BAB 412
<b>Sidewalk U.: Questions, Answers, and Deep Learning on the Arizona-Sonora Border</b>	
Patrick Siefert, Sophie Owen, Arpana Banjara, Karla Rodriguez // <i>EKU</i>	
<p>The EKU Honors Program's "Sidewalk U" course is an immersive learning experience. This January, the course took fifteen students to the select border communities to experience life there first-hand. They had opportunities to interview migrants and law enforcement to get a broad view of the current situation. Presenters will share their experiences as students on the trip and discuss their insights on relevant issues. Entering the course with distinct backgrounds and perspectives, each student made unique discoveries and was moved by different details. Presenters will share how this trip inspired them to view border issues in intimate and complex ways.</p>	

<b><u>LUNCH AT THE VILLE GRILL</u></b>
<b><u>11:30 AM - 1:00 PM</u></b>
<p>Vouchers for the Ville Grill dining hall are in your attendee folder! Location may be found on the map.</p>

<b><u>LUNCH MEETING</u></b>
<p>for deans, directors, faculty, &amp; staff. Lunch provided. <b>Threlkeld Hall, room 132 // 11:30 AM - 1:00 PM</b></p>

## **SESSION D • 1:10 - 1:40 PM**

D.01	HUM 100
Evan Sims <i>Bellarmino</i>	<b>Liminal Space</b>
<p>A musical performance of my alternative album "Liminal Space." A mix of live performance/vocals and electronic backing tracks. I have a unique approach to songwriting and use of music theory, so I would also like to share some insight on each song and how I achieved the final product. The album is a blend of synthesized sounds and acoustic instruments.</p>	

## **POSTER SESSION • 1:10 - 2:00 PM**

#	BAB Lobby
1	<p>Anam Ahmed <i>UofL</i></p> <p><b>Mean or Nice?: Children's Willingness to Update Beliefs in the Social Domain</b></p> <p>Children label others based on their behaviors but it's unclear whether children will update someone's label in the presence of counter-evidence (e.g., when a "nice" person does something mean). In the current study, we presented twenty-five 5- and 6-year-olds with characters that were labeled "nice" but were described performing mean behaviors. Participants then were asked to re-label the character as mean or nice after each behavior. We found that 40% of children updated the character's label to "mean," while 48% of children maintained that they were nice. Individual differences may be influencing whether children update their beliefs about others.</p>

2	Casey Hazelwood <i>Murray State</i>	<b>Wake Word Accuracy in Amazon Alexa Devices</b>	This research study analyzed two Amazon Alexa voice recording datasets collected among five Amazon Echo devices to determine which wake word: Amazon, Alexa, Computer, or Echo, yields the fewest inadvertent recordings in order to evaluate the personal privacy of wake word engines utilized in virtual digital assistants.
3	Clarissa Dennis <i>EKU</i>	<b>The Temple Experience: Religious and Political Dimensions of the Temple Mount</b>	Throughout history, there has been both a religious and political dimension to the Temple experience. During Biblical times, when Jews were under Roman rule, they were watched from the Temple walls and their religious autonomy was invaded. This remains an issue for Muslims who worship at al-Asque-Mosque and are searched before entering and remain surveilled until they leave, especially due to the advancements in modern surveillance technology as well as undercover police officers. This poster will attempt to explore the culture of the Temple and how it has faced political oppression for both Jews and Muslims over many centuries.
4	Emmalee Kempf <i>EKU</i>	<b>Reactions to and the Effects of September 11th, 2001 on Individuals in the Cincinnati Area</b>	The immense impact that 9/11 had on America is indisputable; it is often said that America as a whole was changed forever. This thesis aimed to discover if, and how the lives of individual people from the Greater Cincinnati area were impacted from the attacks on September 11th, 2001. A semi-structured interview was conducted with five participants. Each was asked a series of questions regarding their experience on the day of the 9/11 attacks, and if their lives or jobs were impacted. Responses were compared to prior research to analyze if the research held true with the individual's personal experiences.
5	Eva Llamas-Owens <i>WKU</i>	<b>Making Modern Cartography Usable and Attractive with Deliberate Element Design</b>	In order to develop effective and attractive maps for the 21st century, the art and psychology of cartography will be evaluated with help from the Tobii Pro Nano Eye Tracking device. Cartographic elements will be tested for efficiency in conveying information.

6	Gabe O'Hara, Luke Kirk <i>Morehead State</i>	<b>Prevention and detection of false positives in an eDNA study of salamanders in eastern Kentucky streams</b>	Environmental DNA (eDNA) utilizes DNA released from aquatic organisms into the environment to detect their presence and is a rapidly expanding method of detecting aquatic and pseudo-aquatic organisms. A primary concern in species specific eDNA detection are false positives resulting from non-target species DNA amplification. Steps currently utilized to either prevent or detect non-target amplification include mismatch standards for eDNA primers, the use of a probe, and the sequencing of amplicons generated from field samples to confirm species identity. In the present study multiple PCR products generated from species specific eDNA primers for southern two-lined ( <i>Eurycea cirrigera</i> ) and northern dusky ( <i>Desmognathus fuscus</i> ) salamanders were subcloned into plasmids and sequenced. Interestingly, despite the use of the previously mentioned safeguards one amplicon was identified as a non-target, primarily terrestrial, salamander species. These data highlight the need for stringent controls both preventing and detecting false positives resulting from non-target species amplification in eDNA studies.
7	Gabrielle Hardison <i>Murray State</i>	<b>Reversible Inhibition of Mycobacterial DnaB Protein Splicing by Zinc</b>	Inteins are post-translational regulators, undergoing conditional protein splicing. DnaB of <i>Mycobacterium smegmatis</i> (helicases in replication) harbors the intein DnaBi1 used to design reporter systems linking splicing with resistance to the antibiotic kanamycin. We built a construct requiring catalytically active DnaBi1 for survival in presence of kanamycin, probing for factors influencing splicing in vivo of <i>M. smegmatis</i> . Zinc, biologically relevant during mycobacterial pathogenesis, inhibits of DnaBi1 in vivo, and using a separate reporter system, can inhibit DnaBi1 in vitro. We present the crystal structure of DnaBi1 bound to zinc and propose a model of zinc-mediated DnaBi1 splicing inhibition during mycobacterial infection.
8	Heather Ness <i>UofL</i>	<b>Indoor Air Quality</b>	The air in your home can be as much as 7 times more polluted than the outside ambient air. My honors professor in Fall 2019 semester, Mr. Russell Barnett, had all the students take home a variety of air testing equipment that we would test our home's air quality over the course of 24 hours. After completing the testing, we gave the equipment back to the professor and he gave us all the data back of what type of chemicals were floating around in our indoor air. I would be building a poster to go over the results of that student data collection.

9	Helen Neely <i>EKU</i>	<b>Life Between Nations: Third Culture Kids</b>	Third Culture Kids (TCKs) grow up between cultures and between nations. Very few places highlight the TCK experience quite like the middle school hallways of an international school. This creative research project took academic research surrounding TCKs and incorporated it into a middle school level story about life at an international school. One 11-year-old girl writes about the experiences of entering yet another new school. Through trial and error, she learns how to better navigate the world around her while adjusting to difficulties, working through disagreements, and doing her best to better herself and her community.
10	Henrietta Ransdell <i>UofL</i>	<b>Diverting Waste, Feeding Communities: The Cardinal Cupboard</b>	A poster presentation reviewing the steps, challenges, and events that occurred in the process of developing the Cardinal Cupboard, UofL's first, free food pantry for students, staff, and faculty. The poster explains the intersection of food waste and hunger as a larger challenge for sustainability and social justice. At the University of Louisville, we used campus resources and organized an amazing group of student volunteers to combat these issues with the UofL Food Recovery Network. This poster presentation serves to explain how we established this program, what impacts it has made so far, and how other universities, if interested, can replicate this action.
11	Jared Christian <i>EKU</i>	<b>Intercultural Communication in Medicine: Issues of Multilingualism and Mobility in Healthcare</b>	As the world becomes more interconnected, multicultural communities develop across the globe that need healthcare; however, language barriers and cultural differences are causing physicians and patients to be ineffectively communicating, leading to inadequate healthcare. In areas with more language discordance, there are higher levels of inefficient consultations since physicians are not able to express the diagnosis, treatment and prevention, resulting in frequent patients. Through reviewing case studies from various nations, new practices can be developed to reduce incompetence in intercultural communication. If new programs and procedures are created to combat miscommunication, then ethnically diverse areas can better treat patients.

12	Laura Von Mann <i>Morehead State</i>	<b>A Tale of Two Polis: The Similarities and Differences Between the Lives of Athenian and Spartan Women</b>	In the powerful world of ancient Greece, two cities stand out: Athens and Sparta. For much of the western world, it is Athens that is the model for a democratic society and has inspired many more modern historical figures, such as the American founding fathers. Sparta, on the other hand still captures the interest so many years later for their militaristic society. However, when it comes to the treatment of the women within their boundaries, the typecasts surrounding these cities' cultures disintegrate. This study analyzes the lives of women in ancient Athens and Sparta in order to understand the cultural divide as well as break down the stereotypes surrounding them.
13	Lexi Thompson <i>EKU</i>	<b>Cuddling and the Born-Addicted Infant: Effects of human contact during the recovery period for babies experiencing Neonatal Abstinence Syndrome</b>	A system must be developed so that the process of recovery is shortened for sick babies. Born-addicted infants need to receive human contact and the way to ensure that adequate contact be provided is through a volunteer-based cuddling program.
14	Logan Davis <i>Morehead State</i>	<b>More than just Information: 5 functional capabilities of Non-coding RNAs</b>	While most people know RNA as the messenger from the DNA that gets translated into proteins, it has many more functions than just being a messenger. When an RNA is not translated, non-coding RNA has numerous functions that are essential for the proper development and regulation of the cell. Through a review of the existing literature on RNA, five broad function categories of non-coding RNA were chosen: Protein synthesis using both tRNA and rRNA, X-inactivation using lncRNAs, RNA interference with both miRNAs and siRNAs, CRISPER technology using guide RNAs, and splicing mechanisms using both snRNAs and snRNPs.

15	Madison Swingholm <i>UofL</i>	<b>The Role of Universalism in Social Democratic Welfare Regimes: A Closer Look at the Case of Norway</b>
	This is my Senior Honors Thesis. I investigate the role of universalism in the social democratic welfare regime of Norway. Norway, and Scandinavia in general, is known for having high levels of happiness, health, and social cohesion. Much of this is a by-product of their robust welfare state. This thesis makes the case that the most significant element of their welfare state is the universality of their benefits.	
16	Marie Gould <i>Bellarmine</i>	<b>Dissecting the Man of Steel: The Evolution of Superman as a Reflection of American Society</b>
	In this project, I will be analyzing numerous narratives of Superman comics throughout history and connecting them to political ideologies and social changes which were occurring at the time they were written. In these connections, I hope to show not only how Superman has not always been exactly the same, but that his stories reflect the trends and beliefs of society as they evolved. In doing so, I also hope this project will bring notice to the idea that comics can serve a scholarly purpose and literary message instead of just an escapist fantasy.	
17	Mary Boujaoude, (Mentor: Stephanie Adams Saulnier, <i>MSW</i> ) <i>EKU</i>	<b>"Relentless": The Social Identity of Chronic Illness and Disability</b>
	"Relentless" is a collection of essays focusing on the social identity of chronic illness and disability. Many people in this population have been ostracized and isolated from the rest of the social world. "Relentless" seeks to showcase the social issues surrounding chronic illness and disability in order to give a voice to a group that has been repeatedly silenced. Essays combine scholarship and personal narrative in order to provide a well-rounded perspective on what it means to have a chronic illness or disability in society. "Relentless" exemplifies the magnitude of barriers this population experiences while also emphasizing their incredible resilience.	

18	Miranda Robinson <i>Morehead State</i>	<b>Medication Compliance: Treating the Gap Between Patient and Provider</b>
	Medication compliance is essential for treatment and management of disease. Only 50-75% of patients are adherent to medications prescribed for the management of chronic illnesses (Kripalani). One major contributing factor that has been identified is that many Americans lack the health literacy required to navigate our healthcare industry. Health literacy is defined as having the ability to read, understand, and navigate within a health care system. After in depth review of current literature, factors effecting health literacy and methods for increasing patient medication compliance have been analyzed and compiled.	
19	Nick Koenig <i>EKU</i>	<b>The Intersectionality of Plants, Art, and Media: Insights from Botany as a Creative Source</b>
	The field of botany is one that has fascinated me since my early gardening days and now has morphed into my career path. Frequently, STEM classes do not integrate a creative activity into their studies. This lack of a creative outlet has led me to find ways to make art and media rooted in one of my deepest passions: plants. I will be showing a set of plant-inspired art pieces and sharing ways to connect to my botanical podcast and social media.	
20	Sara Edwards (Co-authored by Dr. Kimberly A. Bellah) <i>Murray State</i>	<b>An Analysis of Pre-Service Agricultural Educators' Self-Efficacy with Exceptional Learners</b>
	Upon reviewing the literature, a serious deficit has been identified in the preparation programs for pre-service agriculture educators. Specifically, this problem area lies in their perceived efficacy to with students with disabilities. This study will serve to identify the perceived self-efficacy levels that pre-service agricultural education teachers believe themselves to have while working with individuals with disabilities. A questionnaire to measure these levels will be administered both before and after an experiential intervention program designed to provide pre-service educators with hands-on early field experience with students with disabilities in the context of Supervised Agriculture Experiences.	

21	Skylar Carter <i>EKU</i>	<b>Negotiating Change in Social Work Education: Bridging the Gap Between Micro and Macro Practice in Nonprofit Organizations</b>
	Nonprofit organizations aim to combat ever-changing social issues, spanning the micro-, the mezzo-, and the macro-level. Yet nonprofit organizations tend to focus on one distinct level, rather than considering all three. This fixedness may be rooted in social work education. Social work students are expected to adopt a multidimensional perspective when assessing social issues but are not encouraged to work across dimensions in practice. There is a need for change in social work education to better meet the needs of clients. Negotiating this change begins with encouraging a multidimensional perspective in social work practice and encouraging strategic collaboration.	
22	Taelor McMillin <i>Morehead</i>	<b>Isolating Genes and Identifying Genetic Variations in Horses</b>
	The goal of this research was to isolate certain parts of horse DNA to confirm certain genetic mutations that affect appearance. A few mutations were selected to identify, then the DNA could be extracted from blood samples for processing that resulted in a readable DNA sequence. Once DNA strands were extracted for interpretation, genes could be confirmed or ruled out.	

## SESSION E • 2:10 - 3:00 PM

<b>E.01</b>	<b>BAB 239B</b>
Luke Hardin <i>Bellarmine</i>	<b>Toni Morrison, William Faulkner and Historiography</b>
This presentation is on a comparative essay I have written about Toni Morrison's <i>Beloved</i> and two novels by William Faulkner: <i>The Sound and the Fury</i> and <i>Absalom, Absalom!</i> .	
Considering the treatment of temporality and narrative in the works of both authors, I will ultimately propose a new approach to historiography that is represented by Morrison's novel."	
Jordan Connelly <i>EKU</i>	<b>What Makes a Detective: Character in Detective Fiction</b>
What is it about detective stories that make them so appealing to readers? This presentation attempts to conclude what it is about this literary genre that makes it so popular, both through critical analysis of the genre and practical application in the form of an original short story.	

<b>E.01 cont.</b>	<b>BAB 239B</b>
Sidney Garner <i>UofL</i>	<b>Then vs. Now: Slavery in Film and Television</b>
This presentation is an examination of slavery on America's screens from early twentieth century Hollywood to the present. Televisual media has been used to convey messages about slavery and Black people since Edwin S. Porter's 1903 adaptation of "Uncle Tom's Cabin." Since then, numerous films and television shows have tackled slavery through comedy and drama. But our consumption of this media tells a story of blatant racism transformed into a covert under-representation of Black creators and actors.	

<b>E.02</b>	<b>BAB 408</b>
Nathan Brooks, Ryan Linton <i>WKU</i>	<b>Nice Food: For Goodness' Sake</b>
Nice Food is a nonprofit food truck using a pay-what-you-can model so that anyone may eat, regardless of their ability to pay. Nice Food serves the entire community, using funds raised from commercially paying customers to cover the costs of donated meals. The Nice Food team is fighting to unite the community around a common dining experience, to give choice back to people who are denied that opportunity, and to protect the inherent human dignity that poverty quickly strips from people. This is a startup organization, we are set to open in 2021.	
Zachary DeBord <i>WKU</i>	<b>Effects of Supplemental Whole Cottonseed on Weaned Calf Production Characteristics</b>
This study compared the effect of supplemental whole cottonseed (WCS) in a weaned calf ration on cattle productivity. Feed is the main cost for livestock production. Additional WCS may increase production and reduce the cost of gain for the ration. During the study, 18 beef calves were weaned and split into two groups and fed, with and without WCS, for 50 days to determine the effect of supplemental WCS. Productivity was determined by measuring average daily gains for each group and comparing cost of gain for each ration.	
Louise Scharff, Nada Kaissieh <i>UofL</i>	<b>Food for Thought</b>
In recent years, restaurants and fast food chains have been changing the contents of the food we eat. The rise in portion sizes, number of macronutrients, and the chemicals used in food all contribute to an unhealthy relationship that many have individuals have with the food they eat. These changes have had many negative effects such as food addiction, obesity, and heart issues. The overall questions to ask oneself are: Why has a predisposed necessity for survival turned to an act of fulfillment? What effect does this have on the human body?	

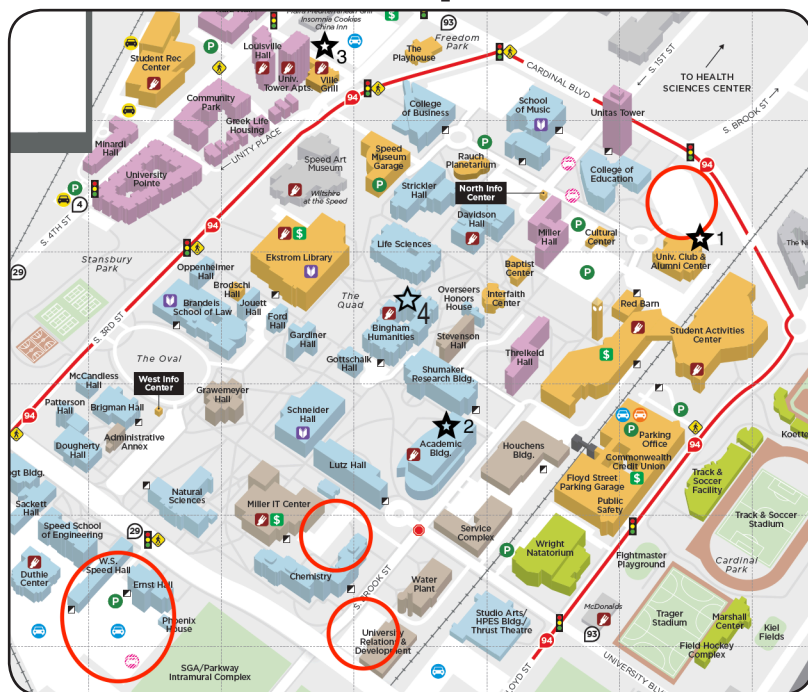
E.03	BAB 409
Brenna Payne EKU	<b>CSA and Adult Female Infertility: Correlation or Causation</b>
This project centers on childhood sexual abuse and its effect on adult reproductive health. Childhood sexual abuse seems to be on the rise. Coincidentally, so too does the incidence of infertility in females. Or at least reporting rates seem to be higher for both experiences. The goal is to determine if the relationship between the two might be more than just correlational - that is, causal. This project will investigate common health consequences of child sexual abuse, and if said consequences could carry into adulthood.	
Kayla Payne UofL	<b>Reducing Maternal Morbidity Rates in the U.S.</b>
Black mothers die at a rate that's 3.3 times higher than white Americans, and Native American or Alaskan Native women die at a rate 2.5 times greater than white Americans which reflects the lost opportunities including lack of access to health care, missed or delayed diagnoses, and failures by doctors or nurses to recognize fatal warning signs. To reduce and prevent discrimination in the realm of health care services related to prenatal care, labor care, birthing, and postpartum care, implicit bias training needs to be included in all health professional training programs.	
Breena Frazier Bellarmine	<b>Combating a Global Pandemic: Screening Chalcone Derivatives for Antimicrobial Properties via Kirby Bauer Disk Diffusion</b>
As antibiotic resistance emerges stronger than ever, novel antimicrobial compounds are necessary to continue the fight against disease and prevent a global pandemic. One natural source of antimicrobial activity is the chalcone. Abundant in our food, chalcones are versatile compounds that are easily synthesized and have demonstrated many pharmacological effects. In my research, I am screening a number of chalcone derivatives for antimicrobial properties. Through analysis of this data, I hope to determine what type of substituents contribute to this type of biological activity and contribute to the growing knowledge on how these molecules can be used therapeutically in the future.	

E.04	BAB 412
Becca Willenbrink WKU	<b><i>De la página al escenario: A study in theatrical translation from Spanish to English</i></b>
This study explores the relationship between the implementation of theatrical process along with cultural and linguistic analysis in the translation of a dramatic work from Spanish to English. The work in focus is <i>Las casas íntimas</i> by contemporary Argentine playwright Eugenia Pérez Tomas. An excerpt of this piece will be performed in this presentation by translator, Rebecca Willenbrink. The findings of this project reveal the value of approaching dramatic translation as both a theatrical and linguistic process in order to encourage more research and inclusion of translated works at the institutional and professional level in the theatrical sphere.	
Andrea Patino EKU	<b>The Weight of Invisibility: The Effects of Child Brokering on Sibling Relationships</b>
This research explores the definition of a child broker and the effects it has on children. It demonstrates how child brokering affects children's familial interactions and relationships. It focuses on the aspects with which children have difficulties when growing up and their coping. The quantitative research explores sibling relationships and its effects. The research was conducted through a survey in parts of Central and Eastern Kentucky and was given to Latino(a) students in three different institutions. Solutions to reduce the pressures of child brokering are given along with some of the existing obstacles to implementing these changes within our society.	
Olivia Jennings EKU	<b>Reflection and Struggle: Battling the Tough Choice in Life</b>
This small anthology of poems reflects the raw emotion and feeling of life through the course and journey of depression, heartbreak, love, struggle, and self growth. The intensity and weight of these poems may come across as difficult and harsh yet extremely relatable to the internal battles we face in our everyday lives. In total there are 5 poems, one of them in Spanish that demonstrate my personal reality and near death experience.	

## Plenary • 3:15 PM

Please join us in BAB 130 for a short farewell. Safe travels home!

# Map



Red circles: Parking for Saturday.

Star 1: University Club/Alumni Center // 2: Belknap Academic Building (BAB)  
3: Ville Grille // 4: Humanities (HUM) Building

# WiFi Access

To access WiFi you must use the ulvisitor network while on campus. This network is limited to 6 hour sessions, and any session will timeout after 30 minutes of inactivity (so you may have to log in more than once.)

Follow these steps to get online:

1. Select the **ulvisitor** network
2. Open a browser and load any URL (you will be redirected)
3. Enter a valid email address in the access page
4. Click "accept" to acknowledge the terms of use

# Tag Us!

We will be using **#ULKHR** on social media during the conference to provide participants with updates. Follow that tag and use **#ULKHR** throughout the conference! Your pictures, tweets, or posts might be featured in our Honors Newsletter: *The Current!*



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# Index of Presenters

## Bellarmino University

Anna Zimlich	C.03
Breana Frazier	E.03
Emmanuel Fasipe	A.05
Evan Sims	D.01
Luke Hardin	E.01
Marie Gould	P.16
Marley Alexander	C.02
Savannah Trussell	A.02

## Murray State University

Abby Bigham	B.02
Alyssa Hubbard	B.04
Casey Hazelwood	P.02
Emma Benson	C.02
Gabrielle Hardison	P.07
Hannah Saffel	A.01
Sara Edwards	P.20

## Southeast Kentucky Community and Technical College

Brandi Lewis	A.03
--------------	------

## Thomas More University

Red Long	C.04
----------	------

## University of Kentucky

Amy Keith	C.03
Emma Vaught	B.04
Hannah Addington	A.03
Hannah Thomas	A.05
Keaton Sant	A.05
Madeline Williams	B.02
Nicole Flach	A.05
Quinn Andrews	B.01
Shelby McCubbin	A.05
Sukruthi Yerramreddy	A.05

## University of Louisville

Afi H. Tagnedji	A.04
Alex Michalak	C.01
Amaiya L. Crawford	B.04
Anam Ahmed	P.01
Daphne Woolridge	B.03
Emily Behr	C.03
Evan Clark	B.01
Eve Kopsolias	C.04
Hannah White	B.02
Heather Ness	P.08
Henrietta Ransdell	B.01, P.10
Jensen Smith	C.02
Kayla Payne	E.03
Louise Scharff	E.02

Continued on Back

## Eastern Kentucky University

Abi Hester	B.03
Arpana Banjara	C.05
Autumn Robinson	A.04
Brenna Payne	E.03
Clarissa Dennis	P.03
Emily Grindstaff	B.03
Emmalee Kempf	P.04
Ethan A. Fowlie	A.03
Helen Neely	P.09
Jared Christian	P.11
Jordan Connelly	E.01
Karla Rodriguez	C.05
Kelsie Head	A.01
Lexi Thompson	P.13
Mary Boujaoude	P.17
McKenzie Garrett	B.03
Nick Koenig	P.19
Olivia Jennings	E.04
Patrick Siefert	C.05
Peyton Brock	A.02
Rebecca Norton	B.03
Sarah King	C.01
Sophie Owen	C.05
Skyler Carter	P.21

## Morehead State University

Belinda Candra	B.03
Elizabeth DeBord	C.01
Gabe O'Hara	P.06
Laura Von Mann	P.12
Logan Davis	P.14
Luke Kirk	P.06
Miranda Robinson	P.18
Taelor McMillin	P.22

## University of Louisville

(continued)

Madison Swingholm .....	P.15
Mel Blank .....	A.04
Nada Kaissieh .....	E.02
Nora Alshimary .....	A.05
Sam Kessler .....	A.01
Sidney Garner .....	E.01
Spencer Cox .....	A.04

## Western Kentucky University

Eva Llamas-Owens .....	P.05
Leah Walker .....	C.04
Nathan Brooks .....	E.02
Becca Willenbrink .....	E.04
Ryan Linton .....	E.02
Zachary DeBord .....	E.02

*The University of Louisville Honors Program would like to thank the following individuals for their help in organizing the Kentucky Honors Roundtable conference this weekend:*

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