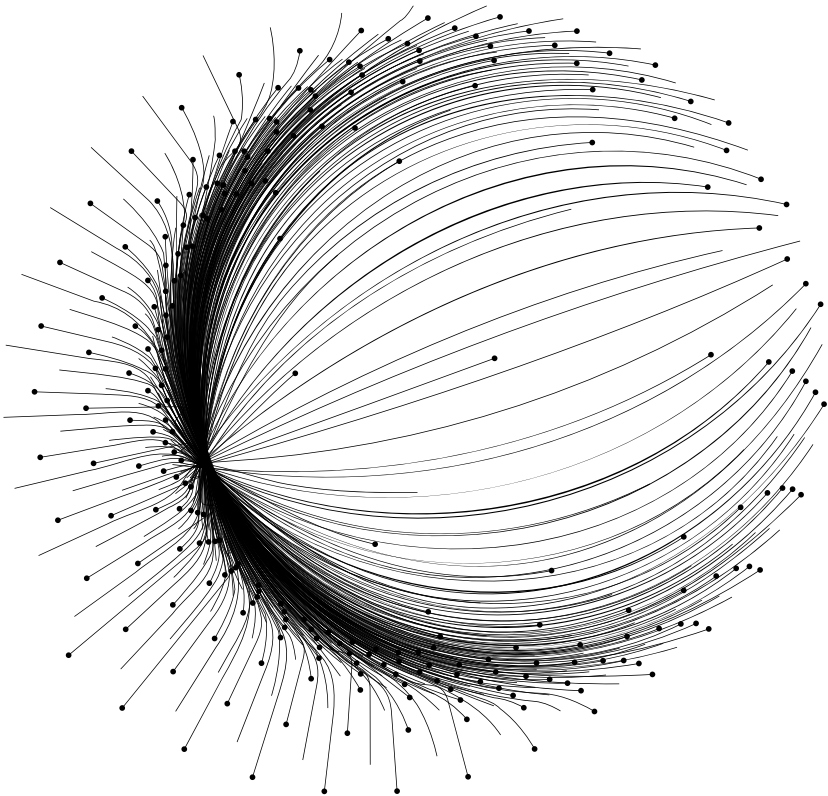


wittenberg
UNIVERSITY

Connections Symposium

April 19, 2024
2:00 to 5:15 p.m.



Welcome to the 2024 Connections Symposium at Wittenberg University!

The Connections Symposium is a time for us to recognize student achievement and highlight the many experiential learning opportunities throughout our campus and curriculum.

We are thrilled to be featuring presentations from over 150 Wittenberg students in sessions throughout the afternoon of April 19. In the following pages, you can find a schedule of events and brief descriptions of each presentation. If you are looking for a particular presenter, you can find a list of presentations by author at the end of this program.

Presentations are scheduled between 2:00 p.m. and 5:15 p.m. at several locations in the heart of campus. Thomas Library will host poster presentation sessions and offers light refreshments. Musical performances will take place in Weaver Chapel. Talks and panel discussions will be held throughout Blair Hall in rooms 101, 108, 115, 201, and 208. A map of these locations can be found on page 29.

While you're in the library, you can also stop by Wittenberg's student-operated Sip's Coffee Bar to enjoy a "Cross Connections Mocha" and local pastries.

Thank you for joining the Wittenberg community in celebrating the exciting work of our students!

Schedule of Events by Presentation Number

	Weaver Chapel	Blair Hall 101	Blair Hall 108	Blair Hall 115	Blair Hall 201	Blair Hall 208	Thomas Library
2:00 to 3:00 p.m. (pages 3–12)	1, 2	3-5	6	7-9	10, 11	12-15	16-38
3:00 to 4:00 p.m. (pages 13–21)	39, 40	3-5, 76-78	41-43	44-46	47, 48	49-51	52-75
4:00 to 5:15 p.m. (pages 21–28)		76-78	79-83	84-86	87		88-111

A map of locations can be found at the end of this program.

Musical Performances

2:30 to 4:00 p.m. in Weaver Chapel

2:30 to 2:55 p.m.

Weaver Chapel

1. 1st Movement Italian Concerto by Bach

Kenta Thompson

Piano Performance

2. Horn Sonata by Paul Hindemith (1939)

Jeremy Watson, Laurie Smith

French Horn Performance. Three movement Sonata written by Paul Hindemith for Horn in F and Piano Accompaniment. This piece was written in 1939 as the start of his campaign to write at least one sonata for every instrument in an orchestra.

3:00 to 3:10 p.m.

Weaver Chapel

39. “That Face”

Brayden Wilson

Vocal Performance

3:30 to 3:55 p.m.

Weaver Chapel

40. Just Eve A Cappella – Spring Concert Selections

Erica Flory, Emily Randall, Lexi Smith, Hope Messer, Nichole Kline, Hannah Marcin

We will be singing a selection of songs from our concert set.

English Department Session 1

2:00 to 3:30 p.m. in Blair Hall 101

Panel A – Transforming Trauma

Cynthia Richards, Chair
John Gulledege
Andy Graff

2:00 to 3:30 p.m.

Blair Hall 101

3. From Mother to Mystic: Maternal Empowerment in *The Book of Margery Kempe* (ca. 1430)

Hope Messer

The critical discourse surrounding Margery Kempe describes her experience of motherhood and childbirth as an obstacle she must overcome; however, I am arguing that motherhood empowers her to explore her place in mysticism and religion. Through her experience of motherhood, Kempe is able to make profound connections with many religious figures, ultimately enabling her to navigate religious and mystic settings on a journey of self-discovery.

4. Facing Trauma and Writing Alternative Endings in Margaret Cavendish's *Belle in Campo* (1662) and *The Blazing World* (1666)

Zoe Hale

Going through trauma is hard, and sometimes it can be even harder to learn how to live with the memory of it. But what if actually writing alternative endings to your story could help you better work through the trauma within, as Bessel Van der Kolk argues in *The Body Keeps the Score*. Such is the case for Margaret Cavendish's *Belle in Campo* and *The Blazing World*, two narratives, one a play and the other one for the first science-fiction texts, that tell of a woman deeply affected by war and learning how to cope with her trauma by imagining alternative worlds.

5. Scars on Hearts: The Impacts of Patriarchy in *The Scarlet Letter* (1850)

Kaleigh Dulin

This work explores the traumatic impact of patriarchal structures on the men who are supposedly most empowered the most by them in *The Scarlet Letter*.

2:00 to 3:00 p.m. Sessions

2:00 to 2:50 p.m.

Blair Hall 108

6. Analyzing the Gene Expression in Obsessive Compulsive Disorder (OCD) Induced Mice Under N-acetylcysteine (NAC).

Hannah Marcin

My research is a continuation of a Wittenberg study done in 2018 where I used qPCR to test six different genes to see their connection to Obsessive Compulsive Disorder and the drug NAC. This research will allow me to expand the knowledge and literature on OCD, as well as possible treatments for OCD.

Women's Studies Panel Session 1

Heather Wright, Chair

2:00 to 2:50 p.m.

Blair Hall 115

7. Western Women and Alternative Healthcare

Jasmin Gonzalez-Morgan

A presentation that discusses why some women in western countries choose to use alternative care.

8. Low Birth Weight Among Black Babies

Joseph Kuzilwa

This paper investigates the persistent racial disparities in low birth weight rates between black and white babies in the United States, despite advancements in medical care. It aims to identify contributing factors and propose solutions to mitigate this critical issue, ensuring equitable opportunities for healthy outcomes among all infants.

9. Traditional Women's Film Paradigms in *Thelma and Louise*

Cami Duncan

2:00 to 3:00 p.m. Sessions

Oral Presentations

2:00 to 2:25 p.m.

Blair Hall 201

10. Perception of Skin Conditions and Mental Health in Young Adults

Jessica Wells

This study aims to understand perceptions of skin conditions and mental health and how they relate together.

2:30 to 2:55 p.m.

Blair Hall 201

11. Trans Exclusive Language and its Effects on Mental Health

Kai Reeves

Examining the effects on trans and nonbinary Wittenberg students' mental health when trans inclusive language was not practiced. Study is part of Kai Reeves's senior thesis and consists of surveys and interviews.

2:00 to 3:00 p.m. Sessions

Economics Senior Seminar Session 1

2:00 to 2:50 p.m.

Blair Hall 208

12. Effect of Agriculture on GDP Growth

Garrett Becker

My research studies the relationship between agricultural land use and GDP growth rate. I use World Bank data from 2000-2022 and include controls for percentage of population in or completed secondary enrollment, surface area of the country, life expectancy, literacy rate and a dummy variable for if the country is developed or developing. I estimate the effect of agriculture land use (as percent of GDP) on growth separately for developed and developing countries.

13. The Relationship between EPS and Stock Price

Robert Martin

My research examines the relationship between Stock Price and Earnings Per Share (EPS). I use data from 505 companies in the S&P 500 in 2017, and include controls for Dividend Yield, Price to Sales ratio, Price to Book ratio, and EBITDA.

14. Tariff Rates and GDP

Lluvia Martinez

I estimate the relationship between trade openness (tariff rates) and economic growth (GDP per capital). I focus on 10 countries from 2015 to 2020 and include controls for life expectancy, population, size of the manufacturing sector, and development status.

15. How Fortune 500 companies affect cities at an income level

Shane Whitehead

I estimate how income per person correlates with the number of Fortune 500 companies in large US cities. My data includes 99 cities and includes controls for racial composition, population of foreign-born residents, and share of the population with college degrees.

2:00 to 3:00 p.m. Sessions

Poster Session 1

2:00 to 2:50 p.m.

Thomas Library

Poster Session 1

16. Optimal Submersion Temperature of Spotted Turtles

Caroline Burns

Spotted turtles can be difficult to track, so it is important that when researchers take the time to search for them, it occurs during optimal conditions. By determining at what temperature the turtles are submerged, scientists can know when to go into the field.

17. Census Data

Jacob Figa

A presentation of Census Data in Springfield and Clark county.

18. Experiences of School Shooting Preparedness Drills in K-12 Education

Anessa Poventud

A research study examining student experiences, beliefs, and feelings about school shootings and preparedness drills during their K-12 education.

19. Preventing Syphilis

Lauren Parrett, Brealyn Steward, Millie Goodwin, Konner Miller

We are curious to know for sexually active people, does the use of contraceptives and other proper precautions reduce the number of syphilis and other sexually transmitted diseases over the next five to ten years?

20. Increasing Physical Activity in all Age Groups

Macie Robinson, Molly Scott, Lilly James, Grayson Ring

Our nursing evidence-based practice class has done research for the Clark County Health Department.

2:00 to 3:00 p.m. Sessions

2:00 to 2:50 p.m.

Thomas Library

Poster Session 1

21. In adults with a history of substance abuse, how can attending an outpatient support group for addiction reduce the number of drug overdoses compared to 5 years ago?

Jorja Williams, Rachel Hartman, Payton Hildebrand, Britney Sheppard

We decided to research this topic because over the years, we have seen an increase in the deaths from drug overdoses and there are a ton of healthcare providers globally trying to find a solution to reduce the number of people overdosing and dying from drug usage.

22. Finding and Treating Cancer in Earlier Stages

Abbey Danne, Owen Gabel, John Babalola

Our presentation covers research we did on ways to help detect and treat cancer in earlier stages, which can then be applied into patient education from a nursing standpoint.

23. Lowering Tobacco and Nicotine Usage in Youth and Adults

Haleigh Heising, Trey Brininger, Kate Mizer, Mackenzie Kelley

Tobacco and nicotine use among youth and adults is a widespread issue in our community. Our research is about how a reduction policy would affect the rate of usage in these populations.

24. Increasing Accessibility of Healthy Foods for High School Students

Emily Doerman, Andrew McFeeters, Hailey Rockhold

We plan to answer the question, "Over the span of four years, will high school students in the U.S. who have access to affordable healthy foods and receive adequate education about nutrition opt for healthier dietary options compared to those who don't?"

25. Sudden Infant Death Syndrome

Tommy Chilicki, Cadence Boyd, Lemoh Mokhalinyane

A poster about how education level of the parents can impact SIDS

2:00 to 3:00 p.m. Sessions

2:00 to 2:50 p.m.

Thomas Library

Poster Session 1

26. Youth Connections and Mental Health

Hanna Cooper, Andrew Nemunaitis

The role of school involvement compared to being isolated and how it affects anxiety and depression rates.

27. Weather Pattern Effects on Fiddler Crab Abundance

Rylee D. Armstrong

Fiddler crabs are affected by ocean currents and weather patterns. If weather patterns are varied will that impact the species' abundance for the given area?

28. Assessing the Short-Term Impact of Honeysuckle Removal and Native Plant Restoration: A Follow-Up Study of Buck Creek

Sadia Allalen

Two years ago, a restoration plan was put into effect along a small section of Buck Creek to remove Amur Honeysuckle (*Lonicera maackii*), a fast-growing, invasive species, and replaced it with native plants. Using a quadrant method, I surveyed honeysuckle regrowth, the number of successful native live stakes, and the species of the live stakes and observed significant honeysuckle regrowth and minimal native plant survival demonstrating the need for continual upkeep in honeysuckle treatment.

29. Lichen Used as a Bioindicator for Nitrogen Pollution

Sydney Henderson

A poster presentation showing how to determine the level of airborne nitrogen pollution based on the composition of lichen at the study site.

30. Effects of Lead on Soil Microorganism Communities

Carl Leitert

This study employs QPCR to compare soil microorganism communities between uncontaminated and lead-contaminated soil samples. Results reveal distinct microbial population shifts in response to lead contamination, shedding light on the ecological impacts of heavy metal pollution on soil ecosystems.

2:00 to 3:00 p.m. Sessions

2:00 to 2:50 p.m.

Thomas Library

Poster Session 1

31. An Intervention for the Lack of College Students' Sleep

Joslin Mefford, Madison Bolin

A poster presentation about the interventions used to reduce a lack of sleep in college students.

32. Reducing Screen Time in Children and Young Adults

Leah Rocchetta, Lucy Ripepi, Ashlyn Hillenbrand

Children and young adults are spending more time on screens than ever before and this is connected to less physical activity, depression, and obesity. By using different interventions, there are ways to correct this behavior and reduce screen time.

33. Saving a Marriage, One Argument at a Time

Jazmyn Gaines-Burns

I investigated interventions to improve the quality of marriages and potentially prevent their dissolution. Specific techniques for improving marriage quality and barriers that interfere with these goals are discussed.

34. Perceptions of Mental Illness amongst Christians of Different Denominations

Aisha Khan, Annie Wethington, Carys Williams, Alyson Parks

A survey on mental illness preconceptions and personality traits compared to participants' religion to see if religion plays a major role in influencing one's opinions of mental illness.

2:00 to 3:00 p.m. Sessions

2:00 to 2:50 p.m.

Thomas Library

Poster Session 1

35. Neurological Mechanism of Botox Treatment for Migraines: Mouse and Human Model Correlates

Branden Nicholas

This presentation will be on Botox which has been approved as a treatment for migraines around 2010. This poster presentation will focus on the background of what Botox is and the biochemical mechanism of how migraines work and how Botox works to treat migraines. It also will touch on mouse models of migraine and how it tied into human models of testing and treatment.

36. The Impact of Food Insecurity on Mental Health Measures

Izzy Thompson

This project investigates the impact of food insecurity on measures of anxiety and working memory in mice.

37. Measuring Anxiety Across Mouse Handling Methods: Old vs. Refined

Ethan Libby, Lexi Repp, Abby Lanhart, Brooke Mullis, Izzy Thompson, Kassady Thompson, Noelle Underwood, Austin Petersen

Previous studies have shown that the "refined" method of mice handling led to mice exhibiting less anxiety behaviors than those that were handled with the "old" method. Our group analyzed data from lab in order to test this theory ourselves and found no significant differences between the handling methods.

38. Analysis of Mice Handling

Diyona Hudson-Perry

This study examines the effects of using different methods of handling mice with tasks such as the T-maze.

3:00 to 4:00 p.m. Sessions

Musical Performances

3:00 to 3:10 p.m.

Weaver Chapel

39. “That Face”

Brayden Wilson

Vocal performance

3:30 to 3:55 p.m.

Weaver Chapel

40. Just Eve A Cappella – Spring Concert Selections

Erica Flory, Emily Randall, Lexi Smith, Hope Messer, Nichole Kline, Hannah Marcin

We will be singing a selection of songs from our concert set.

Oral Presentations

3:00 to 3:50 p.m.

Blair Hall 108

41. Understanding Gifted Adolescents

Claire Patton

While gifted students show the same aptitude for achievement, in reality, there is no “typical” gifted student. My research synthesizes my experiences with gifted students from multiple perspectives and provides action steps for how to best support gifted individuals in the future.

42. How Knowledge Affects Attitudes Toward Mental Health

McKenna Boling

This project explores how knowledge of mental health affects attitudes toward mental health between Buddhists and Muslims.

43. Factors Influencing Capture Rates of Spotted Turtles in a Southwestern Ohio Fen

Michael Vrbanac

3:00 to 4:00 p.m. Sessions

Women's Studies Panel Session 2

Heather Wright, Chair

3:00 to 3:50 p.m.

Blair Hall 115

Women's Studies
Panel Session 2

44. The Evolution of Intimacy: Understanding Non-Monogamous Partnerships

Mallory Janicki

Society elevates monogamy while stigmatizing alternative forms of intimacy like swinging, seen as deviant despite its long history. However, as swinging becomes more accepted, it challenges traditional notions of relationships, with an increase in participation and growing sophistication of swing clubs, aiming to decrease social stigma over time.

45. The Rise and Fall of the Slutrouple in Margaret Cavendish's *The Blazing World*

Danny Bean

Are polyamorous relationships inherently slutty? This presentation will explore this question by analyzing the throuple consisting of the Empress, the Duchess, and the Duke in Margaret Cavendish's work of science fiction *The Blazing World*.

46. Unveiling New Risks for Domestic Terrorism: Incels, Misogyny, and Cyber Communities

Chris Compton

This work delves into how social media like Reddit and 4Chan contribute to the radicalization of incel communities and promote the violent ideologies that are essential to the beliefs of incels while also discussing the motivation for such attacks. Also covered is the idolization of past offenders and the root causes of incelism and misogyny, citing social expectations and patriarchal norms. Through analysis of academic research and real-life instances of Incel violence, it highlights the role of social media in fostering this belief system.

3:00 to 4:00 p.m. Sessions

Oral Presentations

3:00 to 3:25 p.m.

Blair Hall 201

47. All-Nighters: The Relationship Between Sleep and Mental Health of University Students

Bailey Smith

This is a study that explores the relationship between sleep quality and mental health. This study helps to provide suggestions about how institutions can improve student rest and mental health.

3:30 to 3:55 p.m.

Blair Hall 201

48. Situationism and Evidence for Virtues

Guillermo del Rio Gonzalez

In my project I argue that the empirical evidence Situationism presents does not prove the non-existence of a traditional conception of Virtues

Economics Senior Seminar Session 2

3:00 to 3:50 p.m.

Blair Hall 208

Economics Senior
Seminar Session 2

49. Economics Senior Seminar

Wylie Bills

I study how the share of grandparents who raise grandkids correlates with a state's income per person. I use data from the American Community Survey database and include controls for states' race, crime rate, education attainment, labor type, and health insurance status.

50. Population and State's Efficiency

Nick Harding

I study the relationship between states' population and GDP per capita. I use data from the American Community Survey years 2017-2022 and include controls for Unemployment, Education, Age, and Political party.

51. College Education Attainment and Economic Growth

Sam Callinan

My research estimates the relationship between college education attainments and GDP growth. Using the World Bank Data from 139 countries from 2010-2019, I include controls for Electricity, Inflation, Life Expectancy, and Development Status.

3:00 to 4:00 p.m. Sessions

Poster Session 2

3:00 to 3:50 p.m.

Thomas Library

Poster Session 2

52. Examining tRNA Quality in Yeast Cells Under Osmotic and Temperature Stress Conditions

Story Laing, Hailey Mulvihill

This study is an investigation of the effects of temperature fluctuation and various NaCl concentrations on yeast tRNA quality and aberrant tRNA quantity.

53. Movement of Spotted Turtles in Southwestern Ohio Fens

Taylor Rausch

Radio-telemetry is a technology that allows us to track Spotted Turtle movements in Southwestern Ohio fens. The data we collect from turtle movements will give us better ideas of the sustainability of the current population of Spotted turtles, as well as where reintroducing Spotted Turtles may be the most successful.

54. Debunking the Myth of Learning Styles

Shelby White

Many people believe that students have distinct learning styles that benefit their academic performance, but this neuromyth is not supported by research. This study assessed the prevalence of belief in various neuromyths, include learning styles, among Wittenberg students and tested the effectiveness of an intervention debunking learning styles.

55. Nursing Education on Sudden Infant Death Syndrome

Mary Estes

My honors thesis was done by surveying nurses in maternal and pediatric medicine to see what education is given to parents and nurses about SIDS. I wanted to see what information is seen as priority and what education needs improved upon.

3:00 to 4:00 p.m. Sessions

3:00 to 3:50 p.m.

Thomas Library

Poster Session 2

56. Mental Health Implications of Nurses on Perinatal Loss in the Women's Health Area

Mackenzie Schuld

My senior thesis centers around nurses' experiences while working in L&D, Special Care, NICU and Postpartum, specifically addressing their experiences while working with perinatal loss. I researched the topic by looking at coping methods of nurses and emotions felt, and I formed recommendations to address the mental health concerns of nurses.

57. Mental Healthcare in the Emergency Department

Gabby Stern

The project is evaluating mental healthcare provided in the emergency department. It also includes my recommendations for better solutions.

58. Increasing Knowledge of the ER Triage Process

Emma Secrest

It is common for people to enter the ER overwhelmed and confused. I researched how increasing patient knowledge of the triage process in the ER can prevent patient frustration and confusion.

59. Staffing and Nurse Burnout

Sydney Taylor

60. ICU Delirium

Stephanie Hinshaw

This poster presentation discusses an evidenced based approach to preventing Intensive Care Unit (ICU) delirium.

61. Spotted Turtle Demographics in Clark County, Ohio

Neil Boyles

Populations of spotted turtles in Clark County are small and isolated which can lead to phenotypic changes due to low genetic diversity. My goal is to find what these changes look like demographically compared to reference populations found nation-wide.

3:00 to 4:00 p.m. Sessions

3:00 to 3:50 p.m.

Thomas Library

Poster Session 2

62. Habitat Loss within Rural Southwest Ohio: A History of My Family Farm

Audrey Heiser

As a fourth-generation resident of a family farm in southwest Ohio, I investigated the environmental impact of modern agricultural practices on my family's property. Through multi-generational interviews, county office records, and aerial photographs, discernible habitat and species reduction over the last hundred years is evident.

63. Pollinators of Ohio

Mitzi Goebel

Research on the sampling of pollinators in Ohio and their genetic diversity by DNA isolation.

64. Paleoeological Contextualization of Hominin Butchery Sites across the KBS and Okote Members

Caitlin Archdeacon

This last summer, I spent 6 weeks in Kenya surveying and excavating collecting faunal assemblages to gain insight into Hominin behaviors. Analyzing spatial and temporal distribution of locations associated with Hominin butchery sites we are able to better understand environmental context of the behaviors in the Pleistocene.

65. Shell Type Occupancy Preferences Among Five Different Hermit Crab Species in North Carolina

Chloe Jordan

On a Marine Ecology field trip, five different hermit crab species and different shell types were collected from North Carolina using an epibenthic sled and taken back to the Duke Marine Lab to record shell type occupancy. Analyzing shell occupancy is of interest because there is a potential for hermit crabs to have shell type preferences.

3:00 to 4:00 p.m. Sessions

3:00 to 3:50 p.m.

Thomas Library

Poster Session 2

66. Outcomes of the Active Learning in Organic Chemistry Workshop

Grace Carter

Three surveys are used to measure faculty knowledge, beliefs, and actions. The surveys are administered immediately after workshop attendance, then 1 and 2 years after attendance. Their post-workshop responses are compared to their retrospective post-workshop survey responses.

67. Application of Inter-set Rest Intervals

Preston Dorsey, Tony Calovini

Our research is looking into strength and hypertrophy growth during resistance exercise while either utilizing a 3 minute or 5 minute rest interval between each set. Our goal is to determine whether an application of 3 or 5 minute rest intervals will maximize growth and efficiency with training.

68. College Students and Peer Pressure

Zainne Cowin, Dillon McKeigue, Shane Liston

We examine interventions for reducing the influence of peer pressure among college students. Barriers to resisting peer pressure and behavior change techniques used in the intervention are discussed.

69. Time Management Interventions for College Students

Kyngston Collins, Angela Hong

Generally, college students have trouble managing their time. We investigated interventions designed to help college students better manage their time and explored the barriers to effective time management and specific behavior change techniques used in interventions.

70. Enhancing the Quality of Social Relationships

Avery McClelland, Maggie Harbaugh, Jarya Hassell

Our presentation will look into aspects of enhancing social interactions and relationships. We researched intervention strategies and identified relevant barriers and behavioral change techniques. We also discuss ways that these interventions may be enhanced.

3:00 to 4:00 p.m. Sessions

3:00 to 3:50 p.m.

Thomas Library

Poster Session 2

71. Promoting Pro-Environmental Behaviors

Emily Valentine

This project examines barriers that prevent people from engaging in pro-environmental behaviors, interventions to promote pro-environmental behaviors, and the behavioral change techniques that make these interventions effective.

72. Perceptions of Mental Illness amongst Christians of Different Denominations

Aisha Khan, Annie Wethington, Carys Williams, Alyson Parks

A survey on mental illness preconceptions and personality traits compared to participants religion to see if religion plays a major role in influencing ones opinions of mental illness.

73. Attitudes Toward Mental Illness

McKenna Boling, Angela Wehrum, Ethan Libby, Malik Taylor, Kirstin Winters-Williams

This project explores the differences in attitudes toward mental illness between Buddhists and Muslims and how levels of religiosity may affect these differences.

74. Assessing the Relationship between Anxiety and Social Dominance in Mice

Angela Wehrum, Chelsea Harrison

We will be examining the relationship between social rank and innate anxiety behaviors in mice. We will be comparing findings from published research to the findings observed in our behavioral neuroscience lab.

75. Measuring Anxiety Across Mouse Handling Methods: Old vs. Refined

Ethan Libby, Lexi Repp, Abby Lanhart, Brooke Mullis, Izzy Thompson, Kassady Thompson, Noelle Underwood, Austin Petersen

Previous studies have shown that the "refined" method of mice handling led to mice exhibiting less anxiety behaviors than those that were handled with the "old" method. Our group analyzed data from lab in order to test this theory ourselves and found no significant differences between the handling methods.

English Department Session 2

3:40 to 5:10 p.m. in Blair Hall 101

Panel B - Altering the Script: Cross-cultural Conversations

Lori Askeland, Chair
Marlo Starr
Scot Hinson

3:40 to 5:10 p.m.
Blair Hall 101

76. Ambition—A Tool to be Mastered or a Curse on Community?: How *Throne of Blood* (1957) Doesn't Adapt *Macbeth* (1623)

Jake Moore

Despite most critics viewing *The Throne of Blood* as an adaptation of *Macbeth*, the meanings and messages of these works are so different as to make *Throne of Blood* its own play. The narrative of the original play focuses on those in power while that of the film focuses on the common person, and while *Macbeth* may see ambition as a tool to master, *Throne* sees it as nothing but a curse upon an entire community.

77. Illusions of Power: Aping the Colonizer in Part II of Jonathan Swift's *Gulliver's Travels* (1726)

Ava Agoranos

Most critics believe that Gulliver in Part II of *Gulliver's Travels* represents the colonized; however I believe Gulliver can also represent the colonizer, proving to England they are not as powerful as they may think by mocking the colonizer's power.

78. "You Haven't Earned Our Stories": Deconstructing the "Noble Savage" Stereotype in Angeline Boulley's *Firekeeper's Daughter* (2021)

Miya Miller

This thesis will delve into the thought-provoking narrative of Angeline Boulley's *Firekeeper's Daughter*, where she skillfully deconstructs the entrenched stereotype of the "noble savage" perpetuated by settler media and education. Boulley's authentic and modern storytelling indigenizes settler Young Adult fiction while challenging misconceptions of Ojibwe culture.

4:00 to 5:15 p.m. Sessions

Oral Presentations

4:00 to 5:15 p.m.

Blair Hall 108

Nursing Session

79. Culture Presentation

Lemoh Mokhalinyane

Culture heritage presentation.

80. Perioperative Pressure Injuries

Josie Baker

This presentation discusses the risk of perioperative pressure injuries in an inpatient hospital setting and steps that healthcare workers can take to reduce incidence and prevalence.

81. Preventing Falls After Discharge

Bridget Kennedy

Over 14 million report falling every year which is the leading cause of fatal and nonfatal injuries among older adults. Researchers predict there will be 7 deadly falls very hour by 2030 so we need to act fact by implementing various fall prevention programs before and continuing to after discharge.

82. Safe Medication Administration

Kacey Prospere

Double checking procedure being required in the hospital to prevent medication errors. Implemented after evidence-based practice showed that Double checking procedures led to fewer medication errors.

83. Reducing Falls on the Medical Surgical Unit

Emily Terry

4:00 to 5:15 p.m. Sessions

4:00 to 5:00 p.m.

Blair Hall 115

Sociology Session

84. In the Mix

Anthony Villacis

This study focuses on exploring the complex dynamics between Hispanic College males and their navigation through their cultural identities as American citizens in college. The study aims to go into the experiences and perspectives of individuals who may travel on the delicate line balance between one's nationality of the United States and maintaining a strong connection to their distinct cultural backgrounds

85. Criminalization Association of Neurodivergent and Neurotypical

Heavahn Thaxton-Isham

showing the data analysis between criminals who are neurodivergent and neurotypical and I am analyzing the different conditions of mental and emotional health and how often people are brainwashed and how false information leads to bad training in law enforcement.

86. Mental Illness in Prison Systems: Data Study

Aisha Khan

Using Dr. Chad Sloss's data, I analyzed it and found links to mental health issues that are being neglected in the prison systems.

4:00 to 4:25 p.m.

Blair Hall 201

87. Lesotho and Wittenberg: A Senior AFDS Minor's Reflections

Danny Bean

This presentation will connect my experience during my service learning trip to Lesotho in the summer of 2022 to some of the key themes in the AFDS courses I have taken at Wittenberg.

4:00 to 5:15 p.m. Sessions

Poster Session 3

4:00 to 4:50 p.m.

Thomas Library

Poster Session 3

88. Southwest Ohio Spotted Turtle Populations Over Time

Peyton Williams

Spotted turtle populations in Southeastern Ohio have declined, and there are many factors of their habitats and lifestyles that effect their populations, but we do not know how these factors impact populations over time, therefore we used a computer program to create models to see the impacts of changes in these factors on spotted turtle populations over time.

89. The Analyzation of Falsified Reviews on Internet Platforms to Create a Predictive Model Thereof

Ian L. Potter

The reign of disinformation campaigns on social media and online shopping platforms is hereby analyzed in this research through a created natural language processing pipeline, via arrays of fake review datasets from various said platforms, which is then intricately processed through an amalgam of created computer algorithms, in order to create a predictive model, which in turn can then, make the best just decisions of which reviews in the future are most likely false and illicit in a quick, efficient, and industrial manner.

90. Optimizing Length of Stay in Inpatient Hospital Units

Audrey Ishimwe Simbi

The goal of this evidence-based practice project is to examine strategies aimed at reducing the length of stay in inpatient hospital units. Lengthy hospital stays can lead to increased healthcare costs, higher risk of hospital-acquired complications, and decreased patient satisfaction. By identifying and implementing evidence-based interventions, hospital units can improve patient outcomes and resource utilization while maintaining high-quality care.

4:00 to 5:15 p.m. Sessions

4:00 to 4:50 p.m.

Thomas Library

Poster Session 3

91. Nursing Shortage and it's Mental Health Effects

Lacey Church

Connecting nursing numbers from the pandemic with surveys of nurses mental well being.

92. EBP Quality Improvement

Morgan Pagel

93. HIPAA VIOLATION

Kylee Slone

My project is an EBP on how to improve HIPAA violations on the CVMU at Grandview

94. Preventing Pressure Ulcers

Laney Yoder

I will be speaking about the problem with hospital acquired pressure injuries and solutions to help reduce this problem.

95. Evaluating the Need for Security Measures in Emergency Rooms

Trisha McConnell

96. Exploring Spotted Turtle Behavior with Radio-telemetry

Tori Hinkle

Conducted summer research on the Spotted Turtle population and looked at their home range with the use of radio-telemetry

97. Population Density of Meso-carnivores across a Rural to Urban Gradient

Adam Woxman

A study on meso-carnivore populations in three locations, each having different levels of human interaction. One is almost completely isolated, where people are unable to go, one is on farmland, and the other is in a backyard of a house in the middle of a town.

4:00 to 5:15 p.m. Sessions

4:00 to 4:50 p.m.

Thomas Library

Poster Session 3

98. Urban Heat Island Intensification and Land Use Changes in Springfield, OH: A Remote Sensing Study
Deza Frega

Urbanization replaces natural vegetation with heat-absorbing materials like buildings, leading to increased surface and atmospheric temperatures in urban areas, a phenomenon known as the Urban Heat Island (UHI) effect. This study uses remote sensing techniques with ArcGIS Pro and Landsat 8 Satellite data to analyze the intensification of the UHI and land use and land cover changes from 2013 to 2023 in Springfield, OH which is crucial for the development of effective mitigation strategies.

99. Lake Erie And It's Problem With Phosphorus
Sarah Mouton Daulton

A poster presentation on Lake Erie, its continued struggle with HABs (Harmful Algal Blooms), and global climate change.

100. Analyzing the Gene Expression in Obsessive Compulsive Disorder (OCD) Induced Mice Under N-Acetylcysteine (NAC).

Hannah Marcin

My research is a continuation of a Wittenberg study done in 2018 where I used qPCR to test six different Genes to see their connection to Obsessive Compulsive Disorder and NAC. This presentation also relates to my Behavioral Neuroscience class and the connection between animal models in pre-clinical trials and human clinical trials.

101. Examining tRNA Quality Control Mechanisms to repair or destroy tRNAs with 5'-extensions in Yeast cells
William Westermeyer

This is research I have been working on with Dr. Chatterjee for about a year and a half relating to his doctorate research at OSU. The research is looking at tRNA quality control mechanisms focusing on aberrant tRNA concentrations following mutations to the yeast cells.

4:00 to 5:15 p.m. Sessions

4:00 to 4:50 p.m.

Thomas Library

Poster Session 3

102. In college aged, previously strength trained individuals, does increased rest time between sets influence muscle strength and muscle hypertrophy?

Tony Calovini, Preston Dorsey

A pre-test and a post-test for a 1 repetition max, girth test, skin fold and a bioelectrical impedance analysis (BIA) were utilized to determine the affects that increased rest time has on strength and hypertrophy. 10-15 male and female subjects performed bench press, squats, and bicep curls for 3 sets and 10 repetitions at 70 % of their 1 repetition maximum value for each exercise, three times a week for four weeks, where each participant was randomly assigned either a 3 minute rest time or a 5 minute rest time.

103. Student Healthcare Accessibility at Wittenberg

Caitlin Archdeacon

This is primary data collection for ongoing thesis work. This research is focusing on the accessibility of healthcare coverage and access for students at Wittenberg, specifically looking to see the potential inequality of healthcare accessibility for out of state and international students.

104. College Students Avoidance of Mental Health Resources

Elizabeth Ables

Figuring out why college students do not use mental health resources and what we can try to do to improve it.

105. Reframing College Drinking Behaviors

Daniel Patel, Brynn Cunningham, Kaulana Smith

College students are known for excessive alcohol consumption, but the perception of alcohol use in college is not an accurate representation. We discuss an intervention that changes the perception of college drinking behaviors.

106. Promoting a Growth Mindset to Improve Academic Performance

Taryn Cash, Christine Rinker, Myrah Burton

We researched interventions that help promote a growth mindset to improve academic success. A growth mindset is a way of thinking that can help increase grades with a malleable view of learning.

4:00 to 5:15 p.m. Sessions

4:00 to 4:50 p.m.

Thomas Library

Poster Session 3

107. Monday Superstition Study

Jazmyn Gaines-Burns, Diyona Hudson-Perry

In our experiment, we are testing superstition based on the astronomical event of the Total Solar Eclipse.

108. Attitudes Toward Mental Illness

McKenna Boling, Angela Wehrum, Ethan Libby, Malik Taylor, Kirstin Winters-Williams

This project explores the differences in attitudes toward mental illness between Buddhists and Muslims and how levels of religiosity may affect these differences.

109. Personality Differences Among Current & Former Members of The Church of Latter-Day Saints

Emery Hunt, Harper Crews, Guillermo del Rio Gonzalez

The purpose of our study was to evaluate and identify correlations between religious affiliation and specific personality traits, including agreeableness, conscientiousness, and openness. The participants of our study were current and former Latter-Day Saints members who completed our survey that evaluated their own personality and their beliefs of personality.

110. Measuring Anxiety Across Mouse Handling Methods: Old vs. Refined

Ethan Libby, Lexi Repp, Abby Lanhart, Brooke Mullis, Izzy Thompson, Kassady Thompson, Noelle Underwood, Austin Petersen

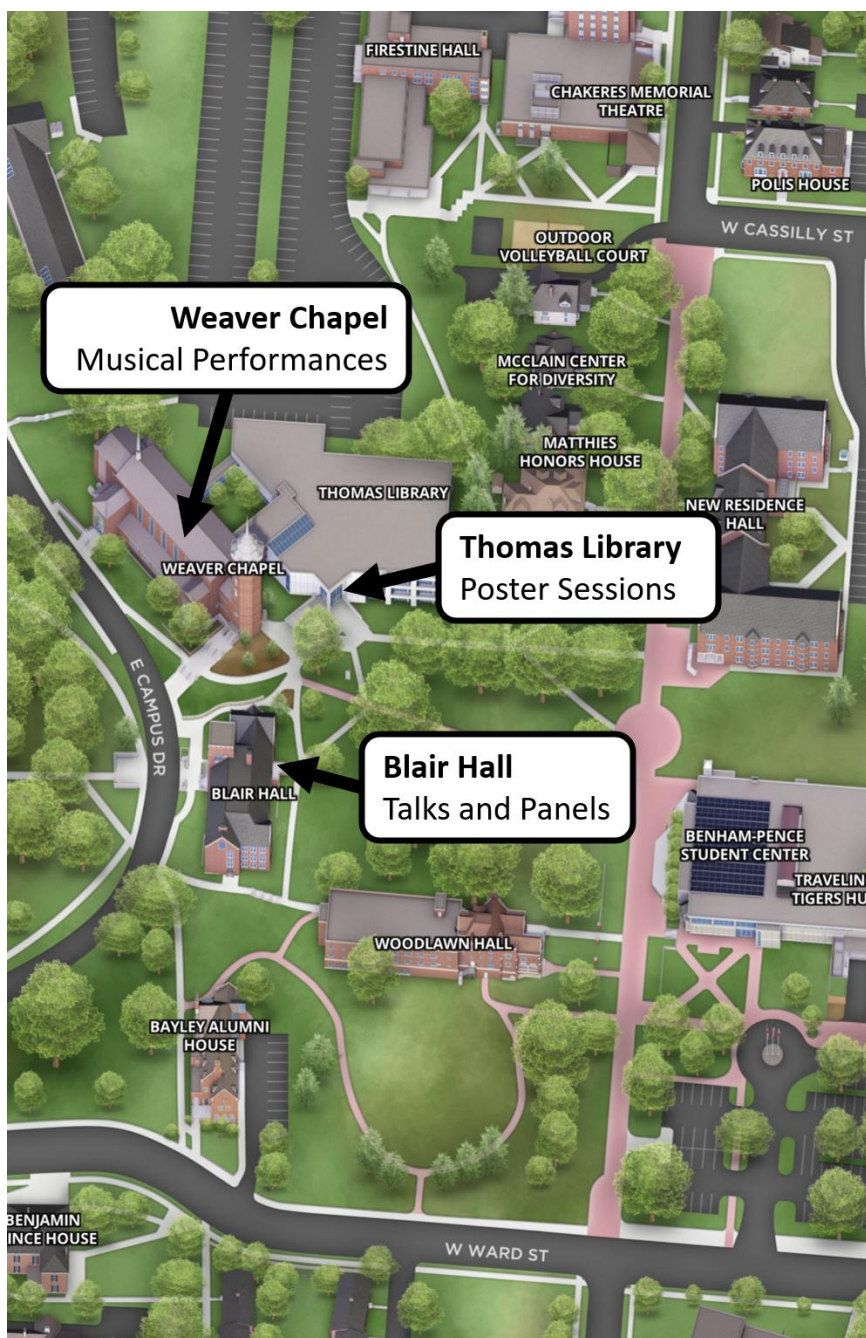
Previous studies have shown that the "refined" method of mice handling led to mice exhibiting less anxiety behaviors than those that were handled with the "old" method. Our group analyzed data from lab in order to test this theory ourselves and found no significant differences between the handling methods.

111. Utilization of EEG in Alzheimer's Disease Detection

Molly Brengartner, Kirstin Winters-Williams, Mara Briscoe

Alzheimer's disease is widely studied, and various brain imaging techniques are being used to study the biology of the deteriorating brain. EEG is a very popular and widely used imaging technique and we will be examining how EEG can be utilized in detection by looking at various research papers and analyzing how EEG can and is being used.

Map of Locations



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Sip's Coffee Bar

Sip's Coffee Bar is a student-operated coffee shop located in Thomas Library. At Sip's, coffee products and pastries are sourced from locally owned businesses like Boston Stoker in Dayton and D. Sweets in Springfield.



Hours of Operation

Monday 8:00am - 8:00pm
Tuesday 8:00am - 8:00pm
Wednesday 8:00am - 8:00pm
Thursday 8:00am - 8:00pm
Friday 8:00am - 4:00pm
Saturday CLOSED
Sunday 12:00pm - 4:00pm

For more info,
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Pierson**

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Connections
Mocha"



[@sips.coffeebar](https://www.instagram.com/sips.coffeebar)





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