



SPRING 2026

STUDENT SHOWCASE FOR

RESEARCH
& CREATIVE

INQUIRY

WEDNESDAY • 22 APRIL 2026 • 8 A.M. — 5:30 P.M.

Table of Contents

Acknowledgements	6
Overview Schedule	7
Welcoming Remarks	10
Keynote Address	10
Award Ceremony for <i>Incite</i> and Longwood Excellence in Research and Inquiry Awards	10
Keynote Speaker- Ms. Elizabeth Kostelny '81	11
Career Development Workshops	12
Digital Commons	13
Junior Art Show	14
Theatre 389: Integrated Arts Theatre, Live Performances	15
Independent Study in Theatre, Live Performances	16
Citizen 410: Theatre as a Civic Space, Live Performances	16
Department of Music Chamber Music Ensembles	17
Biology 475: Animal Behavior, Oral Presentations	19
Biology 251: Introduction to Ecology and Evolution, Oral Presentations	20
Biology 450: Biology of Cancer, Oral Presentations	21
Cormier Honors College and Independent Research, Oral Presentations	22
Cormier Honors College and Independent Research, Oral Presentations	22
Longwood Senior Thesis Program, Oral Presentations	23
Art 385: Critical Making Dream Exhibition, Oral Presentations	24
Cormier Honors College, Oral Presentations	24
English 320: Critical Theory, Oral Presentations	24
Cormier Honors College and Independent Research, Oral Presentations	25
Perspectives on Research in Science and Mathematics (PRISM), Oral Presentations	26
Cormier Honors College and Independent Research, Oral Presentations	27
Communication 460: Communication Research, Oral Presentations	28
Poster Session I- 9:30 – 10:30 a.m.	31
NURS 360- Introduction to Research and Evidence Based Practice	31
CHEM 332 – Analytical Chemistry II	31
CHEM 333 – Introduction to Laboratory Problem Solving	31
CHEM 452 – Advanced Chemical Laboratory Problem Solving II	32
PHYS 223 – University Physics II Lab	32
PHYS 470 – Advanced Physics II Lab	33
ENGR 403 – Senior Capstone Design II	33

ART and ISCI 340 – Environmental Activism: Science and Art Converge.....	33
ENGL 319 – Technical Writing.....	34
Poster Session II- 10:40 - 11:40 a.m.	35
HPEP 402 – Research Methods in Health and Physical Activity	35
KINS 470 – Research Methods in Kinesiology	36
PSYC 461 – Psychology Capstone: Research	36
Independent Research	37
ENGL 319 – Technical Writing.....	38
Poster Session III- 11:50 – 12:50 p.m.	39
HIST 408 – Modern Civil Rights Activism.....	39
HIST 222 – Critters, Crops, and Disasters in Latin America.....	39
World Studies 10 Honors- Fuqua High School.....	40
BIOL 365 – Disease Outbreaks through History	40
PSYC 337 – Countering and Preventing Violent Extremism	41
EDUC 245 – Honors- Human Growth, Development, and Learning	41
Cormier Honors College for Citizen Scholars	42
Poster Session IV- 2:10 – 3:10 p.m.....	43
NURS 230 – Foundations of Nursing Practice	43
HIST 409 – Dissent in America’s Wars.....	44
ANTH 470 – Analysis and Presentation of Archaeological Data.....	44
SPED 389 – Survey of Exceptional Children	45
CTZN 410- Picturing Contemporary Issues	45
Poster Session V- 3:20 - 4:20 p.m.....	46
NURS 230 – Foundations of Nursing Practice	46
BIOL 250 – Introduction to Genetics and Cell Biology	47
BIOL 250 – Honors- Introduction to Genetics and Cell Biology	47
BIOL 360- Developmental Biology.....	48
BIOL 330- Honors- Conservation Biology.....	48
BIOL 315- Invertebrate Zoology	49
ENSC 201- Integrated Environmental Investigations.....	49
Poster Session VI- 4:30 - 5:30 p.m.	50
Independent Research	50
FINA 350 – Principles of Finance	51
Cormier Honors College for Citizen Scholars Posters.....	52
Campus Map	54

Acknowledgements

Student Showcase Organizing Committee

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The members of the Student Showcase Organizing Committee would like to thank the following offices and organizations on campus for support:

Academic Affairs
Alumni and Career Services
Cormier Honors College
Greenwood Library

Overview Schedule

Welcoming Remarks

Rotunda – Virginia Room

9:00-9:15 A.M.- Welcoming Remarks- Dr. Roger Byrne, Dean of Cook-Cole College of Arts and Sciences

Oral Presentations- Morning Sessions

Blackwell Ballroom Balcony

9:00-1:00 P.M.- Communications 460: Communication Research

Rotunda – Prince Edward Room

9:15-1:00 P.M.- Biology 475: Animal Behavior

Rotunda – Room 108

9:30-11:00 A.M.- Biology 450: Biology of Cancer

Rotunda – Room 115

9:30-10:30 A.M.- Independent Research, Cormier Honors College for Citizen

10:45- 12:50- Independent Research, Cormier Honors College for Citizen

Rotunda – Virginia Room

9:45-11:30 A.M.- Biology 251: Introduction to Ecology and Evolution

Rotunda – Room 116

11:15-12:30 P.M.- Longwood Senior Thesis Program

Performances- Morning Sessions

Communication Studies and Theatre Arts Center- Room 101

9:30-12:15 P.M.- Theatre 389: Integrated Arts Theatre

12:15-1:00 P.M.- Independent Study in Theatre

Junior Art Show

Bedford Gallery 11:00 A.M. – 1:00 P.M.

Award Ceremony 11:30 A.M.

Studio Art and Graphic and Animation Design Students

Poster Presentations- Morning Sessions

Blackwell Ballroom, 9:30 – 10:30 A.M.

Art, Chemistry, Engineering, English, Integrated Science, Nursing, Physics

Blackwell Ballroom, 10:40 – 11:40 P.M.

English, Health, Independent Research, Kinesiology, Psychology

Blackwell Ballroom, 11:50 – 12:50 P.M.

Biology, Cormier Honors College for Citizen Scholars, Education, History, Psychology

Keynote Address and Award Ceremony for *Incite* and Longwood Excellence in Research and Inquiry Awards

Maugans- Martinelli Board Room

1:00-1:40 P.M.- Welcoming Remarks- Dr. Larissa Smith, Provost and Vice President for Academic Affairs

Keynote Address- Ms. Elizabeth Kostelny '81, Recipient of Longwood University's Distinguished Professional Achievement Alumni Award, Former CEO of Preservation Virginia

1:40-2:00 P.M.- Presentation of *Incite* Awards- Dr. Hannah Dudley-Shotwell, Honors Faculty, Editor of *Incite*

Presentation of Longwood Excellence in Research and Inquiry Awards
Dr. Amorette Barber, Director, Office of Student Research

Oral Presentations- Afternoon Sessions

Bedford – Room 111

1:00-3:15 P.M.- Art 385: Critical Making Dream Exhibition, Cormier Honors College for Citizen Scholars

Rotunda – Virginia Room

2:00-5:30 P.M.- English 320- Critical Theory

Rotunda – Room 115

2:15-3:15 P.M.- Independent Research, Cormier Honors College for Citizen Scholars

Rotunda – Room 116

2:15-3:45 P.M.- Perspective Research in Science and Mathematics (PRISM) Research

Rotunda – Prince Edward Room

3:15-5:00 P.M.- Independent Research, Cormier Honors College for Citizen Scholars

Performances- Afternoon Sessions

Molnar Recital Hall

1:45-5:30 P.M.- Music Performances

Communication Studies and Theatre Arts Center- Room 101

4:30- 5:00 P.M.- Citizen 410- Theatre as a Civic Space

Poster Presentations- Afternoon Sessions

Blackwell Ballroom, 2:10 – 3:10 P.M.

Anthropology, History, Nursing, Special Education, Citizen 410

Blackwell Ballroom, 3:20 – 4:20 P.M.

Biology, Environmental Science, Nursing

Blackwell Ballroom, 4:30 – 5:30 P.M.

Finance, Independent Research, Cormier Honors College for Citizen Scholars

Career Development Workshops

Chichester – Room G12

11:45-12:45pm- Pathways to Medical Professions: Life After Graduation and Personal Stories

Chichester – Room G03

11:45- 12:45pm- Career Development Workshop for Criminology/Sociology Majors

Maugans – Center for Career Success

2:30-3:30- Career Development Open House for ALL Majors

Free parking will be available to visitors in the Brock Parking Garage.

Welcoming Remarks

9:00 – 9:15 a.m.

Rotunda- Virginia Room

9:00-9:15 a.m.- Welcoming Remarks- Dr. Roger Byrne, Dean of Cook-Cole College of Arts and Sciences

Keynote Address

Award Ceremony for *Incite* and Longwood Excellence in Research and Inquiry Awards

1:00 – 2:00 p.m.

Maugans- Martinelli Board Room

1:00 p.m.- Welcome by Dr. Larissa Smith, Provost and Vice President for Academic Affairs

1:10 p.m.- Keynote Address by Ms. Elizabeth Kostelny '81, Recipient of Longwood University's Distinguished Professional Achievement Alumni Award, Former CEO of Preservation Virginia

1:40 p.m.- Award Ceremony for *Incite* and Longwood Excellence in Research and Inquiry Awards

Please join us as we acknowledge and celebrate our students who have gone above and beyond in their pursuit of research and creative inquiry! The awards ceremony will include the winners of the *Incite* Journal of Undergraduate Scholarship awards, and students who are being recognized with the Longwood Excellence in Research and Inquiry Award.

Students who have been recognized with an award are noted by the colored ribbons on their name badges.

The different colors of the Award Recipient ribbons indicate the following achievements:

Light Blue- Presented research at a scholarly conference or had a performance or exhibition of creative work outside of Longwood University

Dark Blue- Received external funding to support an independent research and inquiry project

Red- Published an article in a peer-reviewed scholarly journal

Green- Completed a Senior Thesis Project at Longwood University

Yellow- Published in *Incite*, the undergraduate research journal at Longwood University

Keynote Speaker- Ms. Elizabeth Kostelny '81



Elizabeth Kostelny '81, began her career as an art teacher after graduating with a BS from Longwood University. She continued her studies at the University of South Carolina where she worked at McKissick Museum. Elizabeth recently retired from Preservation Virginia after 34 years, including 23 years as CEO. The spirit of education, creativity and innovation tracked through her entire career. Through her work, the organization expanded its impacts at Historic Jamestowne and statewide through advocacy efforts. She led Preservation Virginia's efforts to recognize the complexity and multilayered nature of Virginia's history and historic places.

Career Development Workshops

11:45 A.M. – 3:30 P.M.

Chichester- Room G12

11:45-12:45pm- Pathways to Medical Professions: Life After Graduation and Personal Stories

Join us for an informative one-hour event designed for pre-health students like you! Hear valuable insights into the pre-healthcare journey, explore your options after graduation, and learn tips and tricks for success from graduates of our own program.

We are excited to welcome two guests:

Dr. Kim Baskette, Associate Professor and Graduate Program Director at Radford Carilion will walk us through the graduate programs offered by her school and share the admissions perspective on what it takes to get into a professional program.

Michael Joyce, M.D., Assoc. Professor in the Department of Emergency Medicine and Radiology and Director of Ultrasound Informatics at Virginia Commonwealth University School of Medicine will offer the perspective of a successful Longwood Biology graduate. He will share his story and the strategies that got him started in a successful career in medicine.

We hope to see you there!

Chichester – Room G03

11:45-12:45pm- Career Development Workshop for Criminology and Sociology Majors

You have done the research—now make sure employers and graduate schools see its value! This interactive workshop will help Sociology and Criminology majors turn research projects, presentations, and coursework into strong resume content. Learn how to highlight skills like data analysis, writing, and problem-solving, and connect your Research Showcase experience to real-world opportunities. Come ready to work on your resume and leave with practical tips you can use right away.

Maugans – Center for Career Success

2:30-3:30pm- Career Development Open House for ALL Majors

Look no further for the personalized guidance you need to turn your research and course experiences into compelling stories for a cover letter or bullet points for your resume and LinkedIn profile. Come by the Center for Career Success on the ground floor of Maugans to meet with members of the Career Success team, get 1:1 feedback, and enjoy refreshments.

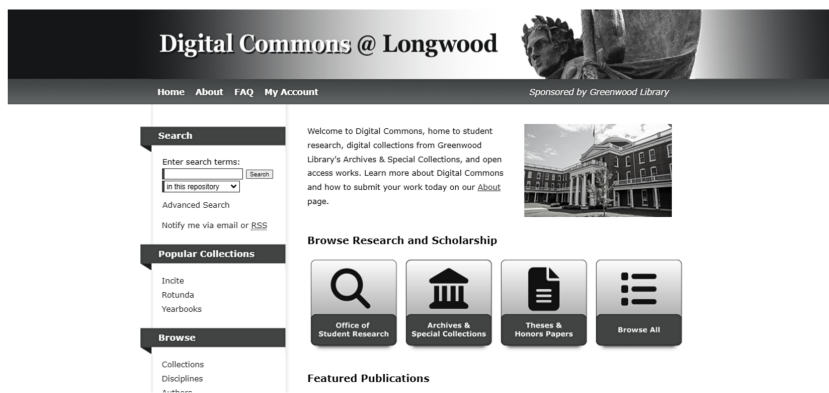
Digital Commons



We Help Share Your Research

ABOUT DIGITAL COMMONS

Digital Commons is the institutional repository at Longwood University, a space where research and projects from faculty and students can be digitally preserved and provide open access for further research.



BENEFITS OF SUBMITTING



Discoverability

Link your work on resumes and be discoverable through major search engines like Google.



Preservation & Storage

Easily pull up your work with a Google search: access multiple files including videos, PDFs, and more.



Open Access Publication

Establish publication dates to prevent copyright theft and share your work with other researchers.

WHAT CAN I SUBMIT?

You can submit your entire poster or paper (Word, PowerPoint, PDF, etc.) or just an abstract or sample of the results. You can submit a picture of your artwork or a video of your presentation. You may submit multiple files and many different formats are accepted.

HOW DO I SUBMIT TO DIGITAL COMMONS?

Scan the QR code to view the Office of Student Research page in Digital Commons. Add your own work by selecting the Fall or Spring Showcase.



Visit <https://digitalcommons.longwood.edu> to explore Digital Commons.
Email questions to digitalcommons@longwood.edu

Junior Art Show

Junior Show for Studio Art and Graphic and Animation Design Programs

11:00 a.m. – 1:00 p.m.

**11:30a.m.- Awards Ceremony
Bedford Gallery**

Please join the department of Theatre, Art, Graphic and Animation Design for the opening reception of the Junior Show. Held in Longwood's Bedford Gallery, this yearly exhibition highlights the work of our junior class students in the Studio Art, and Graphic and Animation Design programs. Come by the Bedford Atrium from 11 am-1 pm to help us celebrate our students' achievements in Art and Design!

ART

Molly Fowlkes
Samantha Staton
Shane Jackson
Ashley Whitehorne
Elizabeth Valentin
Sophie King
Savannah Smelley
Genevieve Bachman
Makenna Clark-Quigley
Julia Erk
Jade Caudill

GAND

Connor St. Louis
Connor Rivas
Haley Thames
Ashley Mazza
Valeria Solis
Sera Carter
Zoie Desouto
Anna Tate
Anna Keith
Mary Means
Libby Welch
Kaitlyn Balovich
Danielle Bradby
Heather Gregg

Theatre 389: Integrated Arts Theatre, Live Performances

CSTAC 101

Faculty mentor, Dr. Ronda Scarrow

9:30- 9:50

Mallory Logan, Addison Lahrman, Nadia Freidson
Teaching Through the Arts: Voices from the Classroom

9:50- 10:10

Emily Kearns, Nyx Cash, Andrew Harker
Theatrical Town Hall Meeting

10:10- 10:30

Abigail Reamer, Sarah Cleary, Molly Milby, Mia Shotts
Live from the Classroom: Arts Integration in Action

10:30 - 11:00

Sydney Shumway, Elexia Caruthers, Bailey Stratton, Hailey Dockum
Sitcom performance about art integration

11:00- 11:30

Dara Enzmann, Morgan Gregory, Courtney Hazlewood, Aubrie Seay, Lauren Ware, Madeline Esch
Miss Polygon

11:30- 11:50

Grace Merrell, Samara Brown, Florence Delaney, Alivia Santore
Hell's Classroom

11:50- 12:10

April Cherry, Emma Taylor, Jake Gaston, Skyler Childress
Integrating the arts into the classroom

Independent Study in Theatre, Live Performances

CSTAC 101

12:15- 12:30

Maggie Kittrell, (Faculty sponsor, Professor Bruce Speas)

Senior Seminar Research

12:30- 12:45

Sara Conner, (Faculty sponsor, Dr. Ronda Scarrow)

Theatre Education and Artificial Intelligence

12:45- 1:00

Oz Kerns, (Faculty sponsor, Professor Bruce Speas)

Senior Seminar Research

Citizen 410: Theatre as a Civic Space, Live Performances

CSTAC 101

Faculty mentor, Professor Jeffrey Todd Parrott

4:30- 5:00

Reaya Bajor, Payton Bunting, Sara Conner, Meredith Duffer, Ryan Griffin, Allison Hess, Sydnie Jones, Nyla McEachin, Olivia McLoughlin, Jenna Mitchell, Ashley Nelson, Melisson Piercy, Elvin Ramirez-Ramos, Jose Ramos Flores, Anna Rhodenizer, Olivia Sisk, Tom Spicer, Riley Stimpson, Claire Weisenburger, Gregory Windsor

A New Documentary Play Reading

Department of Music Chamber Music Ensembles

Molnar Recital Hall

Faculty mentors, Dr. Lisa Edwards-Burrs, Dr. Emily Ilyes, Dr. Roland Karnatz, Dr. Lisa Kinzer, Dr. David Moore, Dr. Jack Reeder, Dr. Jacqueline Secoy, Dr. Chris Swanson, Dr. Michael Waddell, and Professor Susan Davis

1:45 pm

The Impact of Instrumentation: Throughout the Eras of the Orchestra

Emily Christian, Nathan Hopkins, Johnnie Santiago-Borges

2:00 pm

Senior Thesis: *Music as a Beacon of Hope: A Comparison of the Music of Händel and Twenty-One Pilots*

Rose Braun, Senior, Bachelor of Arts in Music

3:00 pm

A commentary and musical presentation of two selections from:

From the Diary of Sally Hemings by William Bolcom (b. 1938)

XI. My Sister Ghost

XIII. Mister, Our Child is Frail

Miyah Speller, soprano

Sarah Gates, piano

3:30 pm

Reflections from students in MUSC 322 (*Exploring African-American Voices through the Spirituals, Art Songs and Opera Arias of African-American Composers*) on the art song, *Chalk Man* (Gregory T. S. Walker, b. 1961) and the protest song, *Strange Fruit* (Abel Meeropol, 1903-1986).

David Ball, Macon Bragg, Maddie Bryant, Kierjaea Carter,
Abby Fleenor, Sasha McGhee, Jesse Turner, Dori Wilder

4:00 - 5:30 pm

Graphic Animation Student Collaborative Projects with Music

Elizabeth Welch/ Keenen Jones

Jaidan Means/ Erica Mai

Haley Thames

Serenata – Invano

Carl Nielsen
(1865-1931)

Ryder Wölfle – clarinet, Johnnie Santiago-Borges – bass clarinet, Keenen Jones – horn,
Emily Christian- cello, Kevin Rivera-Ayala – euphonium

Stabat mater dolorosa

Giovanni Battista Pergolesi
(1710-1736)
(arr. Karnatz)

Flute - Haleigh Giles, Sarah St Louis
Clarinet - Ryder Wölfle, Emily Dillingham, Milani Henderson, Johnnie Santiago-Borges
Saxophone - Brett Fields

Allegro de Concert for saxophone quartet

J.B. Singelée
(1812-1875)

Sadie Allen, Morgan Fairman, Sean Montalvno, Ryan McFetridge

Sonata for two clarinets

Francis Poulenc
(1899-1963)

I. *Presto*

II. *Andante*

III. *Vif*

Ryder Wölfle, Johnnie Santiago-Borges

Trio in E-flat Major Op. 1

Ludwig van Beethoven
(1770-1827)

Adagio cantabile

Rose Bustamante - piano
Macey Hutto - violin
Emily Christian - cello

Biology 475: Animal Behavior, Oral Presentations

Rotunda – Prince Edward Room
9:15 – 1:00 p.m.

Faculty mentor, Dr. Adam Franssen

9:15-9:30

Laura Honeycutt

Stereotypical Behaviors of Bengal Tigers in Captivity

9:30-9:45

Anna Magee

Food Fighters: Budgies in Captivity

9:45-10:00

Amélie Williams

Meerkat Background and Behavior

10:00-10:15

Mateo Kausek

Analyzing the Blue and Gold Macaw's social behavioral patterns through observation

10:15-10:30

Melisson Piercy

Vigilance, Vocalization, and Social Structure: An Observational Study of Black-Tailed Prairie Dog Behavior

10:30-10:45

Sydney Jones

Understanding the Behavior of African Cheetah

10:45-11:00

Trinity Luxeder

An Ethogram-based Study on the Behavioral Time Budgets of Chilean Flamingos in a Zoo Setting

Break

11:15-11:30

Jacqueline Drago

*Temperament of *Spheniscus demersus* (African Penguin) at the Metro Richmond Zoo*

11:30-11:45

Matthias Borneff

Social Hierarchy Dynamics in a Captive Lion Pride

11:45-12:00

Aidan McDuffie

African Clawless Otter: A Behavioral Study

12:00-12:15

Keira Trigg

The Ethology of the Rüppell's Griffon Vulture

12:15-12:30

Jocelyn Escobar

Maternal Bonds of the "Ghost Cat of the Mountains"

12:30-12:45

Makayla Seamster

Chill Giants: An Observation Study of Capybaras

Biology 251: Introduction to Ecology and Evolution, Oral Presentations

Rotunda – Virginia Room

9:45 – 11:30 p.m.

Faculty mentors, Dr. Ken Fortino and Dr. Jill Pestka

9:45- 9:55

Morgan Chiles, Abbey Felts, Grace Pierce, Ginny Doughty

Plant Growth Correlation to Competition and Soil Quality

9:55- 10:05

Laniya Moses, Sydney O'Hara-Wood, Seth Franzysen

How Proximity to Human Infrastructure Affects Biodiversity and Amount of Invasive Plants

10:05- 10:15

Matthew LaMotte, Cassidy Elliott, Liam Porter

Analyzing Alien Plants Effects on Native Growth

10:15- 10:25

Skylar Edwards, Kealy Jarmillio, Arleth Gomez, Annah Snead

The impact of invasive species to each other

10:25- 10:35

Ayanna Wesley, Chelsey Williams, Phaba Childress, Sydnee Reed

The effects of deforestation on native species

10:35- 10:45

Emma Hale, Leah Dimick, Grace Vanderploeg, Carly Voorhees

Home-Field Advantage: Do Native Plants Grow Better?

10:45- 11:00

Lee Burns, Aiden Jamerson, Livia Richardson

How pollution affects biodiversity in local aquatic ecosystems

11:00-11:15

Brittney Davis, Isabella Flores, Albert Barrie

Does Distance Matter? Investigating Spatial Influence on Lonicera Japonica (Japanese Honeysuckle)

11:15- 11:30

Hunter Voelkner, Quinton Wade, Alexander McNiven

Spider Habitat effect on species frequency and movement speed

Biology 450: Biology of Cancer, Oral Presentations

Rotunda 108

9:30 – 11:00 a.m.

Faculty mentor, Dr. Amorette Barber

9:30-9:45

Jaedyn Colon, Aidan McDuffie, Camille Adenauer, Jacob Iddings

A Comparison of Mutations in Neuroblastoma vs. Pheochromocytomas

9:45-10:00

Keira Trigg, Jocelyn Escobar, Ja'Mea Henderson, Rachel Danzitz

A Comparative Analysis of Genomic Alterations in Small Cell Lung Cancer

10:00-10:15

Lymaris Mayen, Sara Cox, Kendra DeFilippo, Makayla Seamster

Comparing Genetic Mutations in Pediatric Ewing Sarcoma versus Adult Osteosarcoma

10:15-10:30

Kimora Johnson, Emma Elwell, Kylie Houseknecht

Divergent Patterns of TERT Mutation Across Muscle-Invasive, Non-Muscle-Invasive, and Metastatic Bladder Cancer

10:30-10:45

Alyson Cuthbertson, Logan Miller, Taylor Kneessi

The Big Five: How the Top Five Genes Impact Cervical Cancer Survival

10:45-11:00

Brianna Edgar, Gabi Quaresma, Angelina Scotece

Comparative Analysis of IDH1 Gene Mutations Across Different Glioma Subtypes

Cormier Honors College and Independent Research, Oral Presentations

Rotunda 115
9:30 – 10:30 a.m.

9:30- 9:45

Emma Snead, Jay Geeslin, (Faculty sponsor, Dr. Amanda Starr)

Environmental Pollutants and Pathogen Behavior: The Role of Microplastics on Batrachochytrium dendrobatidis

9:45- 10:00

Zoe Sawyer, (Faculty sponsor, Dr. Dina Leech)

Flocs Fuel Dead Zone in Chesapeake Bay Tidal Creek

10:00-10:15

Sarah Moore, Ellie Lowry, Frances Ulysse, (Faculty sponsor, Dr. Chris Bjornsen)

Problematic mobile phone use, attachment style, emotion/conflict avoidance, and motivation to learn

10:15- 10:30

Claire Hollingsworth, (Faculty sponsor, Dr. CJ Alderson)

How Do Beliefs Impact Lifestyle?

Cormier Honors College and Independent Research, Oral Presentations

Rotunda 115
10:45 – 12:50 p.m.

10:45- 11:00

Austin Burnett, (Faculty sponsor, Dr. Hannah Dudley-Shotwell)

Abortion Funds: An Unexplored Keystone of the Reproductive Justice Movement

11:00- 11:15

Addison Carney, (Faculty sponsor, Dr. Lee Bidwell)

It Takes a Village: How Communities Can Support the Brain Development and Resilience of Children Who Have Witnessed Intimate Partner Violence

11:15- 11:30

Claire Bain, (Faculty sponsor, Dr. Scott Grether)

Exploring Challenges of Parents with Children Hospitalized in the PICU after Discharge

11:30- 11:45

Destiny Carrington, (Faculty sponsor, Dr. Scott Grether)

Race, Media, and Mock Drafts

11:45- 12:00

Grace White, (Faculty sponsor, Dr. Ian Danielson)

Life Skill Group Design

12:00- 12:15

Savannah Farley, (Faculty sponsor, Dr. Ian Danielsen)

Bridging the Gap: Improving Health Outcomes Through the Use of Integrated Care

12:15- 12:30

Chase Gionis, (Faculty sponsor, Dr. Katrina Marks)

Inscription and the Role of Alternate Reality Gaming in Critiquing Player Agency

12:30- 12:50

Madison Howell, (Faculty sponsor, Dr. Jacqueline Secoy)

How Music Supports Child Development in Kindergarten

Longwood Senior Thesis Program, Oral Presentations

Rotunda 116

11:15 – 12:30 9.m.

11:15-11:30

Rachel Danzitz, (Faculty sponsor, Dr. Bjoern Ludwar)

Iron-Oxidizing Bacteria from Environmental Sampling

11:30-11:45

Sarah Lacy, (Faculty sponsor, Dr. Ravi Sankar)

Quantifying the Rates of Coastal Change along Smith Island, Maryland

11:45-12:00

Nicholas Duellman, (Faculty sponsor, Professor Jameson Hinkle)

Development of Genomic Tools for Environmental DNA Detection of Freshwater Mussels

12:00-12:15

James Daniel, (Faculty sponsor, Dr. Andrew Yeagley)

Design and Synthesis of Polyphenolic Hemibastadin Derivatives as Potential Biofilm Inhibitors

12:15-12:30

Bryant Corbin, (Faculty sponsor, Dr. Sarah Porter)

The Chemical Nature of Colors: Exploration in Variance Between Natural and Synthetic Colorants

Art 385: Critical Making Dream Exhibition, Oral Presentations
Cormier Honors College, Oral Presentations
Bedford 111
1:00 – 3:15 p.m.

Genevieve Bachman, Jade Caudill, Makenna Clark Quigley, Alec Corwin, Julia Erk, Molly Fowlkes, Shane Jackson, Sophie King, Savannah Smelley, Sam Staton, Nayla Turpin, Liz Valentine, Ashley Whitehorne
(Faculty mentor, Prof. Kathleen Kennedy)
Critical Making Research Presentations

Students from ART 385: Critical Making will present research for their Dream Exhibition. These presentations ask students to act as a curator and create a presentation that describes an exhibition of their own conception. This exhibition includes their own work alongside the work of other artists whose research intersects with theirs.

Onyinye Ugbomah-Otunuya
Addressing the African Monolith

English 320: Critical Theory, Oral Presentations

Rotunda- Virginia Room
2:00 – 5:30 p.m.
Faculty mentor, Dr. Sean Barry

Panel 1: Nonhuman Spectacles

Chris Floyd, “It’s in the eyes: Consciousness in *The Walking Dead* (2010-22)”

Christian Mahmud, “Crew Expendable: Sexual Assault in *Alien* (1979)”

Elizabeth Farrell, “Stephanie Meyers’s *The Host* and the Sympathetic Parasite”

Adriana Hornsby, “Water of the Womb: perversion of the mother in *Spirited Away*”

Panel 2: Modernisms

Abigail Driscoll, “Feminism and Sexual Politics in T.S. Eliot’s *The Waste Land*”

Ella Dahl, “Nonsense in *Waiting for Godot*”

Hannah Lane, “Evil’s Discourses: Hobbits, Orc, and Men in J.R.R. Tolkein’s *The Two Towers*”

Maria Williams, “Love and Labor in Dorothy Sayers’s *Gaudy Night*”

Panel 3: Sentimental Fictions

Emily Sowers, "Knowledge and Intention in Mary Shelley's *Frankenstein*"

Jensen Auman, "Aunt Phillis's Cottage: Absence, Anxiety, and Persuasion in Anti-Tom Novels"

Arianna Kerr, "Repetition, Silence, and Play in *The Phantom of the Opera* (1910)"

Panel 4: Postmodern Identities/Postmodern Aesthetics

Abby Vance, "*Donnie Darko*'s Uncanny Smile"

Vulcan Benson, "Women and Myth in *Bless Me, Ultima*"

Noah McGuire, "'One and Only Lonely Hearts Club Band!' *Sgt. Peppers*' Double Meanings"

Nicole Samuel, "Mirrors, Wands, and Owls, Oh My!: Lack in *Harry Potter and the Sorcerer's Stone* (1997)"

Cormier Honors College and Independent Research, Oral Presentations

Rotunda- Room 115

2:15 – 3:15 p.m.

2:15- 2:30

Emma Heisig, Ryan Urban, (Faculty sponsor, Dr. Tim Holmstrom)

Making Electricity Sing: The Musical Application of AC/DC Circuits via Guitar Pedals

2:30- 2:45

Edward Corobana, (Faculty sponsor, Dr. Sanish Rai)

Transformer AI Architecture

2:45- 3:00

Alylah Peters, (Faculty sponsor, Dr. Sanish Rai)

Machine Learning Analysis of Building Sensor Data

3:00- 3:15

Raven Rutherford, (Faculty sponsor, Dr. Robert Marmorstein)

AI Comparisons at Higher Levels

Perspectives on Research in Science and Mathematics (PRISM), Oral Presentations

Rotunda – Room 116

2:15 – 3:45 p.m.

2:15- 2:30

Kimora Johnson, (Faculty sponsor, Dr. Amanda Starr)

Tiny Tenants: Microbial Communities of Disease Infected Amphibians

2:30- 2:45

Sunshine Kimball, (Faculty sponsor, Dr. Stephanie Keer)

An Anatomical Assessment of the Adult Skeleton of Xenopus

2:45- 3:00

Jackson LoFiego, (Faculty sponsor, Dr. Dina Leech)

Has Aimes Creek lost its breath? Assessing hypoxia in the waters at the Baliles Center near Hull Springs

3:00- 3:15

KB Wilebski-Koch, (Faculty sponsor, Dr. Karen Kinslow)

Investigating Glebe Harbor's Public Sewer: Resident Choices and their Impacts on Aimes Creek

3:15- 3:30

Laden Mohamedhaj, (Faculty sponsor, Dr. Benjamin Topham)

Computational modeling of single molecule electronic devices

3:30- 3:45

Anya Swierkowski, (Faculty sponsor, Dr. Sanish Rai)

Sensor Data Spatial-Temporal Context Analysis and Application

Cormier Honors College and Independent Research, Oral Presentations

Rotunda- Prince Edward Room
3:15 – 5:00 p.m.

3:15- 3:30

Madison Johnson

Taxes around Prince Edward

3:30-3:45

Naiya Casimiro, (Faculty sponsor, Dr. Adrienne Sudbury)

Perpetual or Performative?: Economic Behavior Without Explicit Immigration Cues

3:45- 4:00

Zoe Nash, (Faculty sponsor, Dr. Rhonda Brock-Servais)

No More Fairy Godmothers: Subverting Fairytale Structure in "Ashputtle"

4:00-4:15

Madeline Moeller, (Faculty sponsor, Dr. Rhonda Brock-Servais)

Masculine Psychosis: An Exploration of Horror Within Masculinity in "American Psycho" and "Mr. Clubb and Mr. Cuff"

4:15- 4:30

Garrett F. Ward, (Faculty sponsor, Dr. Rhonda Brock-Servais)

The Subversion of American & Gendered Identities in Peter Straub's Worlds

4:30- 4:45

Kara Burks, (Faculty sponsor, Dr. Rhonda Brock-Servais)

The All-American Boy: Redefining the Teenage Protagonist Through Peter Straub

4:45- 5:00

Edison Moscar, (Faculty sponsor, Dr. Rhonda Brock-Servais)

The Intertextuality of Ghost Story and Arthurian Literature

Communication 460: Communication Research, Oral Presentations

Blackwell Ballroom Balcony

9:00 – 1:00 p.m.



Presents

**COMM 460/462 Quantitative & Qualitative Communication Research
Live Streaming Senior Research Presentations
As Part of the Research and Creative Inquiry Showcase at Longwood University**

Each research group will present their semester long research project in a 5 to 7 minute oral presentation. The presentations on April 22nd starting at 9: a.m. You can watch and comment on the presentations on the department's [YouTube channel](#).

April 22 Presentation Schedule

[YouTube channel](#)



All times are approximate and subject to change.

- 9:00** Dr. Stouffer and Dr. Hosterman
Opening Remarks
- 9:05** Lily Beverley and Anna Davis
The Impact of Short-Form Entertainment on Attention Span in College-Aged Individuals
- 9:14** Lily Stohlman and Ella VanLuvender
Social Media and Political Echo Chambers
- 9:23** Kayleigh Kiefer and McKayla Moxcey
The Impact of a Film's Sound Design on Audience Emotional Connection

- 9:32** Taylor Blount and Stephanie Jennings
The Communication Phenomenon: Political Self-Disclosure in the College Classroom
- 9:41** Madison Mocello and Akilah Williams
Investigating Emotional Outcomes of Parasocial Relationships in Social Media and Traditional Channels
- 9:50** Braden Emmerson
Movie and Television Influence on Career Decisions
- 9:59** Savannah Bartlett and Mari Patterson
Digital Distortions: Examining the Impact of Spreadable Misogynoir on the Identity Formation of Black Women
- 10:08** Josie Niswander and Emilio Salgado Garcia
A Comparative Study of Emotional Engagement in Political and Non-Political Art
- 10:17** Rachel Houston and Annabell Swabb
Perceived Power and Physical Attractiveness in Criminals
- 10:26** Amory Wheeler and Adriene Cote
Political Ideology and Attitudes Towards Cancel Culture
- 10:35** Michayla Pisa and Andrew Lindsay
Codeswitching: Understanding Digital Media and Interpersonal Communication
- 10:44** Maria Chavez-Alonso
How does fear of missing out (FOMO) relate to social media platform use and perceived social connection among college students?
- 11:00** Megan Gammon and Rosalie Showalter
The Influence of Media, Film, and Television on Constructions of Girlhood and Feminine Identity
- 11:09** Brtiney Houtz and Nina Lavoie
Who Are We Online? Instagram Self-presentation and Identity Formation in College Students
- 11:18** Kennedy Olsen and Emma Horne
Parasocial Relationships on Social Media: How Influencer Communication Creates Perceived Connections
- 11:27** Tyler Bagent
Political Awareness and Stress Levels Among College Students
- 11:36** Kenji Carillo and Noah Schloman
Who You Follow Matters: Credibility and “Tail” Culture in College Sports Betting
- 11:45** Caroline Culbreth and Julia Glasser
Emotional Echoes: How Music Affects Human Mood and Emotion

- 11:54** Shannon Velardi
The Differences in Viewer Immersion Across Movie Theater and Streaming Platforms
- 12:03** Carly Dolan and Kaylee Garrison
Music, Identity, and Algorithmic Curation in the Lives of College Students
- 12:12** Cami Lane and Ryan Stock
What Factors Influence Individuals to Follow Social Media Influencers?
- 12:21** Jose Ramos Flores and Alexandra Huerta
Effectiveness of Nostalgia in Commercial Marketing
- 12:30** Zach Caudill and Nick Jones
Art Over Artist
- 12:39** Dr. Stouffer and Dr. Hosterman
Closing Remarks

Poster Session I- 9:30 – 10:30 a.m.

Blackwell Ballroom

NURS 360- Introduction to Research and Evidence Based Practice

Faculty mentor, Dr. Kathryn Miller

Posters 1-5

Katie Gebhard, Gabby Evans

In term newborns (≥ 37 weeks) how does elective induction of labor as compared to spontaneous labor affect APGAR scores as a neonatal outcome?

Raegan Lumpkins, Katelyn Vasquez

How does immediate skin to skin contact affect full term newborn temperature stability compared to a radiant warmer?

Grace Sprong, Delaney Penix, Riley Wieland

In mechanically ventilated ICU patients over the age of 18, how does implementation of The Society of Critical Care Medicine's ABCDEF Bundle affect the duration of mechanical ventilation within a 30-day hospital stay compared to standard care without the bundle?

Kevin Huang, Dylan Bowen

In adults aged 65 and older hospitalized with chronic heart failure, how does nurse-led discharge education using the teach-back method for medication adherence, compared to standard discharge instructions, affect 30-day hospital readmission rates

CHEM 332 – Analytical Chemistry II

Faculty mentor, Dr. Sarah Porter

Posters 6-8

Quinn Kukuk

XRF Analysis of Southeast Asian Art

Lina Mohamedhaj

Elemental Analysis and Cultural Context of African Jewelry using X-Ray Fluorescence (XRF)

CHEM 333 – Introduction to Laboratory Problem Solving

Faculty mentor, Dr. Melissa Rhoten

Posters 9-13

Emma Schroeder, Kavan Hicks, Scotlynn Winsheimer

Hot, Golden, and Fermented: Part I of the Analytical Trilogy

Quinn Kukuk, Karma Gaydon, Marcia Long

Hot, Golden, and Fermented: Part II of the Analytical Trilogy

Lina Mohamedhaj, Ryan Jones, Elizabeth Cox
Hot, Golden, and Fermented: Part III of the Analytical Trilogy

Breanna Gillespie, Ryan Abernathy, Skye Sapp
Hot, Golden, and Fermented: Part IV of the Analytical Trilogy

CHEM 452 – Advanced Chemical Laboratory Problem Solving II

Faculty mentor, Dr. Sarah Porter
Posters 14-18

Samantha Ruano, Anaaya Monroe
Analysis of Chemical Transparency in Fragranced Cosmetics

Elaina Grogg and Kexin Li
Polyphenol Analysis in Green and Black Tea

Tyler Witt, Anna Wallace
Sustainable Applications of Chitosan

Bryant Corbin, James Daniel
Characterization of Wood Ash Feed Stock as a Nonhomogeneous Catalyst for Biodiesel Production

PHYS 223 – University Physics II Lab

Faculty mentor, Dr. Kenneth Pestka II
Posters 19-28

Teegan Hall
Hubble Law: The Age of the Universe

Kexin Li
Hubble Lab

Lucas Heffron
Hubble Law - The Age-Old Question

Connor Green
Entropy using Dice

Adam Lyman
Dice and entropy of the universe

Aaron Lewis
Dice Lab

Jeremiah Stroud
Capacity Behind the Charge

Andrew Morris
RC Circuits

Emma Heisig, Quinn Kukk
An Examination of Drag Forces on a Falling Balloon

PHYS 470 – Advanced Physics II Lab

Faculty mentor, Dr. Kenneth Pestka II
Posters 29- 32

Shane Dunford
Investigating Wavelength Through Interferometry

Jordan McPherson
Investigating Material Properties Using Ultrasound

Júlia Novaes
Investigating Coulomb's Law

ENGR 403 – Senior Capstone Design II

Faculty mentor, Dr. Chuck Ross
Posters 33-35

Ryan Urban, Sean Oliva, Madison Levelle
Analysis of Fatigue Crack Propagation of a 3000 Series Aluminum Boeing Fastener

Ryan Urban, Sean Oliva, Madison Levelle
A Six Meter Aperture Telescope for Amateur Radio Astronomy

ART and ISCI 340 – Environmental Activism: Science and Art Converge

Faculty mentors, Dr. Mark Fink and Professor Kelly Nelson
Posters 36-40

Westen Wilbun, Aniya Johnson, Genevieve Bachman
Lancer Park's Litter River

Jaxon Healey, Christine Shumaker, Paige Springer
Plastic Pollution: Effects of Sea Turtles and Solutions

Alison Sims, Jillian Williams, Kaylen Hill, Claire Weiss
Derelict fishing equipment effects on marine populations

Kade Pearson, Frances Ulysse, Andrew Doughty, Maya Hoffman
Undecided

ENGL 319 – Technical Writing

Faculty mentor, Dr. Elise Green

Posters 41-51

Carl Schwarting, Tucker Hern

Brick by Brick: Mastering Technical Writing Through LEGO

Bianca Brevard, Vulcan Benson

LEGO Port: Sail into Technical Communication

Gratia Carr, Jackson Link

Lonely Lodge: A LEGO Design

Riley Abell, Evan Barbee

Tranquility Tree: A LEGO Design

Daniel Butts, Luke Paris

Oswald, The Duck: A LEGO Build

Christiana Dickerson, Evan Adams

LEGO Build: Technical Writing Through LEGOs

Raven Rutherford, Annalyse Heideman

LEGO Flower Garden: Technical Communication at Its Finest

Morgan Fairman, Hazel Hornsby

Joy, And, & Whimsey LEGO Build

Abby Vance, E'Maya Wise

A Technical Communication Experience: Building a LEGO TV (Ted Vancouver)

Poster Session II- 10:40 - 11:40 a.m.
Blackwell Ballroom

HPEP 402 – Research Methods in Health and Physical Activity

Faculty mentor, Dr. Amanda Blaisdell
Posters 1-10

Cassidy Perdue

Exploring the Relationship Between Dance Participation and Self-Reported Psychological Well-Being in Female Dancers Aged 16–22

Zoe Tierney

Social Promotion in Education: The Role of Behavior in Student Advancement

Janet Wilson

Examining Health Disparity in Rural Black Population

Dante Lipsey

Gamification of education possible critical thinking and socialization

Kayla Brenly

Parental Interactions in Body Image in Adolescents

Savannah Pinney

Coaching Dynamics and Athletes' Relationship with their Sport

Nikole Gilchrist

Trauma, Stress, and Burnout in the Nursing Community

Cierra Gawryluk

Exploring the Transfer Portal on Student-Athletes' Identity

Makenzie Turner

How do mental health challenges, asthma-related school absences, and physical activity affect students' academic performance and overall well-being?

KINS 470 – Research Methods in Kinesiology

Faculty mentor, Dr. Laura Jimenez

Posters 11-16

Brylee Clark, Trista Newcomb, Savannah Schnepf, Kailey Toone

An Evaluation of Commercial Smartwatches and Gold-Standard Measures for Heart Rate and Energy Expenditure During Physical Activity

Myah Taylor, Rachel Towne, Makayla Byrd, Danielle Jimmo

Acute Glycemic Responses to Aerobic and Resistance Exercise in Diabetic and Non-Diabetic Individuals

Andrew Riddle, Charlie Elwell, Ryan Adcock, Paul Espinoza

Effects of daily creatine monohydrate supplementation in collegiate-aged people on high-intensity performance

Sophia Knock, Madison Wiley, Maria Papas

The Effects of Caffeine on Endurance in Collegiate Athletes

Kimberly Farrey, Zenie Newsom, Alexis Adams

Effects of Acute Caffeine Supplementation on Physical Performance in Lacrosse-Specific Exercise Tasks

PSYC 461 – Psychology Capstone: Research

Faculty mentor, Dr. Stephanie Buchert

Posters 17-28

Onyx M. Gonzalez, Calista M. Stewart, Elisabeth H. Townsend

The Effects of Gender Pairing: Aggression and Perceptions of Victimization Following Video Game Observation

Penelope L. Woody, Christina L. Cottee, and Gray G. Jenkins

The Cost of Knowledge: How Food Security Portrayals Shape College Students' Self-Perception of Food Insecurity

Savannah Minnick, Sierra VanTichelt, and Kara Wright

"I Do Better Under Pressure": The Relationship of Pressure and Attributional Style on Academic Performance

Anna Inzeo, Kyra Johnson, Clara Mae Edwards

The Effect of Color Luminance on Memory Recall

Sarah Cordrey, Brooke Granata, Alaina Leiva

The Influence of Humor Form on Perceptions of Instructor Responsiveness and Memory

Meredith Baisey, Alex Neagle, Kell Perry

Teacher and Peer Influence on Students' Academic Achievement and Confidence

Kerrigan Finch, Georgianna Martin, Ashlie Rockefeller
The Connection Between Educational Resource Adequacy and Creativity in Academic Settings

Hannah Cunningham, Ashley Davis, Audrey Thompson
Effect of Mindfulness Techniques on Stress in Academic Performance

Holly Nicoll, Jaci Bolden
Simulated Caregiving Load and Perceived Burnout and Stress Among College Students

Kuan Chang Huang, Onyinye Ugbomah-Otunya
The Effect of Social Media Likes and Followers on Perception of Self and Others

Mariana Mendoza, Ian Kerby, Breann Norwood
Rhythm and Recall: How Music Lyrics and Tempo Influence Student Memory Recall

Independent Research

Posters 29-41

Abby Driscoll (Faculty mentor, Dr. Jennifer Miskec)
Deeper and Deeper Underground: Examining Communities Forged in Resistance in Contemporary Young Adult Fiction

Kailyn Snyder (Faculty mentor, Dr. Hollie MacDonald)
Exploring the Nature of Constitutional Rights Violations in Federal Court Filings (2024-2025)

Aidan Metz (Faculty mentor, Dr. Jeffrey Ledford)
Maps and Curvature

Kylie Gill (Faculty mentor, Dr. Toni Sorrell)
Approaches to the L'vov-Kaplansky Conjecture

Cassidy Wade, Emily Ault (Faculty mentor, Dr. Brian Bates)
The Cove Archaeological Project: A Collaboration

Gracey Wright (Faculty mentor, Dr. Ronda Scarrow)
Archaeology

Kosei Cuyler, Nathan Iskovitz, Jarod Vance (Faculty mentor, Dr. Robert Blaisdell)
The Effect of Concurrent Activation Potentiation on Baseball Pitching Velocity

Elijah Tonello (Faculty mentor, Dr. Kenneth Pestka II)
Measuring Young's Modulus of Pasta Using a Cantilever Setup

Emma Schroeder (Faculty mentor, Dr. Benjamin Topham)
Force-Sensitive Molecules for Single-Molecule Electronics: A Computational Investigation

Lina Mohamedhaj (Faculty mentor, Dr. Benjamin Topham)
Using Aromaticity to Design Single Molecule Switches

Ryan Abernathy (Faculty mentor, Dr. Andrew Yeagley)
Progress towards the synthesis of a polyphenolic triazole containing Hemibastadin derivatives

Bryant Corbin, Elizabeth Cox, Kavan Hicks, and Angelina Scotece (Faculty mentors, Dr. Sarah Porter and Dr. Tyler St. Clair)
The Chemistry of Anthotypes

ENGL 319 – Technical Writing

Faculty mentor, Dr. Elise Green
Posters 42-52

William Perkins, Kameron Soukup
LEGO Design: Lonely Tree

Arinna Kerr, Amanda Rumans
Greenhouse Garden: A LEGO experience

Cameron King, Matthew Chapman
A LEGO Build: Technical Writing is Your Superpower

Anya Swierkowski, Lindsey Lewis
Get on Gens: A LEGO Design

Mathew Clark, Matthew Krietsch
The Lego Robot Mark

Zoe McIvor, Sage Bishop, and April Berumen-Rivas
Little Buddy: A LEGO Design

Maddox Turner
Anime Lego Build: Technical Writing as a Marketing Concept

Elijah Maresh, Delaney Wessells
An Adventure to Create Hatsune Smiku

Poster Session III- 11:50 – 12:50 p.m.
Blackwell Ballroom

HIST 408 – Modern Civil Rights Activism
Faculty mentor, Dr. Hannah Dudley-Shotwell
Posters 1-6

Dana Elrick

The Impact of Rosenwald Schools on Black Education in Virginia

Hannah Gordon

France and American Civil Rights in the Early Twentieth Century

Catherine McPhillips

Thurgood Marshall and the NAACP Strategy to End "Separate but Equal"

Lucas Taves

Black Panthers Health Care Initiatives in New York City

De'Niya Johnson

Respectability Politics and the Erasure of Claudette Colvin

HIST 222 – Critters, Crops, and Disasters in Latin America

Faculty mentor, Dr. William Holliday
Posters 7-16

Lucas Taves

Environmental Scarcity and Political Conflict: Ecological Roots of the Cochabamba Water War

John Bultje

Urban Expansion and Government Failure in the 1985 Mexico City Earthquake

Trinity Nunnally

Health Effects of Pesticide Use in the Colombian Flower Industry

Rebekah Beaver

The Green Shield: Environmental Reputation and Indigenous Dispossession in Costa Rica, 1970-2000

David Ward

What Were the Ways Tradition and Labor Changed in Inca Life as a Result of the Conquistadors?

Maddox Lacy

Gold and Silver in the Colonial Andes – From Ritual to Currency

Lorelei Selinsky

The 1972 Managua Earthquake: Shaking Foundations and Tyrants

Thomas Spicer
Panama Canal environmental decay and its effects

Josh Leggett
The Land and the People

World Studies 10 Honors- Fuqua High School

Faculty mentor, Mr. C. Scott Porter
Poster 17

Brynn Atkinson, Allen Blackman, Riley Carter, Collins Easter, Monish Kastia, Page McWilliams, Maddy Morris, Kenna Schmidt, Wyatt Tucker
War for Equality

BIOL 365 – Disease Outbreaks through History

Faculty mentor, Dr. Joanna Reinhold
Posters 18-30

Emma Snead
From Cells to Society: The Science and Impact of HIV/AIDS

Lymaris Mayen
How Borrelia burgdorferi Evades the Immune System in Lyme Disease

Rayanna Yowell
Cholera and It's Impacts on Social Class

Javier Roldan
Why Only Anopheles? Evolutionary, Molecular, and Ecological Drivers of Malaria Transmission

Emma Hass
Silent Killers: Bd and Bsal in Global Amphibian Decline

Max Miller
Tuberculosis: Destined Death

Katharine (Kai) Harris
The Artistic Desire of Tuberculosis during the Romantic Era

Javier Roldan
Functional Genomic Determinants of Trypanosoma cruzi Colonization in Triatoma sanguisuga and implications for Vector Competence in the Southeastern United States

Emily Huneycutt, James Burn
Anything for Beauty: The White Death - The Impact of Tuberculosis

Kimberly Farrey

Drug-Resistant Tuberculosis: A Modern Challenge in Disease Control

Rachel Danzitz

Smallpox as a Biothreat: Implications for Global Health Security

Brandi Dawson

Ticked Off: Understanding Lyme and Alpha-gal Syndrome

PSYC 337 – Countering and Preventing Violent Extremism

Faculty mentor, Dr. Sarai Blincoe

Posters 31-37

Ashlee Carr, Emma Hendrick, Sophia Page

Addressing Violent Extremist Group Radicalization Through Social Media Propaganda

Onyx Gonzalez, Abigail Winn

Policy Brief: Reducing Polarization Between Politically Oriented Student Organizations at Public Universities

Christina Cottee, Savannah Anderson, Arybella Blackman

Preventing Youth Recruitment into Extremist Ideological Groups in Southwestern U.S. Schools

Brandon Laine, Hunter Wright

Preventing Online Radicalization Among Adolescent Males: Policy Strategies for Council for Responsible Social Media

Trey Comer, Asanda Motsumi, Damien Davis

Reducing Youth Exposure to Radicalizing Material Across Meta Platforms

Emily Davis, Tyler Schumacher, Adrianna Scott

Developing New Intelligence Methods to Counter and Prevent Acts of Violent Extremism

EDUC 245 – Honors- Human Growth, Development, and Learning

Faculty mentor, Dr. Aftab Khan

Posters 38-45

Lucy Mudd, Chloe Norris, Hima Fernando

Impact of Sibling Relationships on Social and Cognitive Development in Children

Lily Samuels, Paige Siegman

The Effects of Homeschooling on the Social and Emotional Development of Children

Aidan Andrews, Conner Sharpe

Divorce and The Effects on Childhood

Amelia Swingle, Bailey Salisbury
The Foster Care to Adoption Pipeline: How It Affects Children's Development

Atlas Salazar, Orion Myers-Ramirez
Splashing around: The Cognitive and Physical Developmental Benefits of Recreational Swimming in Children

Aiden Jacobs, Nick Davis
The Emotional Development of Military Children

Isabel Vasbinder, Caroline Ford
Parenting Styles and Their Effects on Children's Beliefs and Education Within a Social-Emotional Perspective

Cormier Honors College for Citizen Scholars

Posters 46-53

Amber Bennett (Faculty mentor, Dr. Mary Tackett)
Making

Claire Weiss (Faculty mentor, Dr. David Magill)
A Formal Exploration of Genders and Bodies in Poetry

Gideon Young (Faculty mentor, Dr. Chris McGee)
Say Gay: Historical Queer Representation in Young Adult Literature

Holly Willis (Faculty mentor, Dr. Lauren May)
Evidence-Based Writing Interventions for Students with Learning Disabilities

James Burn, Gabriella Petruso (Faculty mentor, Dr. Brett Martz)
Faces of the Devil: Exploring Evil Across Literature and Culture

Abigail ""Abby"" Faulkner (Faculty mentor, Dr. Virginia Lewis)
Using Scratch to Teach Patterns

Anya Swierkowski (Faculty mentor, Dr. Robert Marmorstein)
Making a Crypto Scarf: Mathematical Cryptography and Creative Inquiry

Poster Session IV- 2:10 – 3:10 p.m.

Blackwell Ballroom

NURS 230 – Foundations of Nursing Practice

Faculty mentors, Dr. Elizabeth Parker, Professor Rebecca Johnson, and Professor Brittany Cash

Posters 1-15

Audrey Harman, Austyn O'Connor, Hannah Ranger

Improving Maternal Health Outcomes Through Nursing Care in Correctional Settings

Emily Crews, Riley Hubbard

What role do nurses play in reducing diagnostic delays in autoimmune diseases, and how does this affect patient morbidity?

Kirsten Jackson, Elizabeth Smith

What nursing- led interventions reduce CLASBIs in ICUs?

Taylor Samuels, Jamie Earsing

Insurance loss impacting nursing workload

Kaley Tomlin, Kendall Tanner, Kaycee Stiltoner

Exercise as Medicine: The Nursing Role in Dementia Care

Noelle Caminiti, Rylee Robertson, Kate Jackson

The Role of Nurses in Ethical Issues Surrounding End-of-Life Care

Eason Brownlee, Makayla Powell, Kennedy Epps

The Nurse's Role in Addressing Body Image and Sexual Health After Mastectomy

Samantha Craft, Lily Luck

Evidence Based Practice Nursing Research Project

Drake Schnepf, Jackson Davis, Edgardo A. Gonzales Jr.

The Effect of Therapeutic Mattresses on the Severity of Pressure Sores

Hannah Simpson, Natalie Hintz, Erin Pell

The Impact of Nurse Mentorship Programs on First-Year Nurse Retention

Kailana Reed, Mariana Rivera

How does nurse-guided mobility during labor and the immediate postpartum period affect the risk of venous thromboembolism (VTE) in minority mothers?

Madison Zipf, Isabel Lamb, Kyndl Couch, Cassidy Lamb

Evaluating the Effectiveness of Diabetes Self-Management Education in Improving Patient Outcomes

Lindsay Bogdon, Ryan McGinnis, Catherine Parnell

Nursing Roles in Improving Outcomes with Sequential Compression Devices and Intermittent Pneumatic Compression Device Usage in Preventing Deep Vein Thrombosis

Rainn Burke, Deborah Fairfax, Meagan Haynes

The impact of nurse-led de-escalation techniques on reducing patient aggression in emergent care settings

HIST 409 – Dissent in America's Wars

Faculty mentor, Dr. David Coles

Posters 16-23

Allie Darius

The Vietnam War: How Did Protest Impact Film

Caleb Hubbard

Northern Dissent in the American Civil War

Kadyn Bunting

Against the Wartime Consensus: The Women's Peace Party, 1914-1919

Matt Rowlett

In Defense of Free Speech: Opposition During the Quasi-Naval War

Jack Kreiner

Abu Ghraib and the War on Terror

Lauren Trent

Vietnam Dissent in media following the Kent State Shooting

Thomas Spicer

American dissent of the Lend Lease program

ANTH 470 – Analysis and Presentation of Archaeological Data

Faculty mentor, Dr. Brian Bates

Poster 24

Kitt Benson, Gabriel Chaos, Hannah Gordon, Dawson Muncy, Abigael Selkirk, Jeremiah Sullivan

Ceramic Variation in the Southern Piedmont

SPED 389 – Survey of Exceptional Children

Faculty mentors, Dr. Aftab Khan

Posters 25-35

Kenzie Lambert, Nyx Cash

Transforming Learning Through Behavior: The Role of the Lovaas Model in Autism

Nataliya Thomas, Reese Sherman

Reading Made Accessible: Improving Reading for Students with Dyslexia through Text-To-Speech

Sarah Dinwiddie, Erika Lynne Stoup

Exploring the Effectiveness of Animal Assisted Interventions for Students with ADHD

Catherine Wann, Jenna Stazenski, Skylar Lewis

Creative Voices for Autism

Maddie Speakman, Lasarah Johnson

When Emotion Meets Education: Coping Power Program is there for you!

Emily Davis, Eternity Taylor

Sound as Support: The Effectiveness of Music Therapy for Children with Autism Spectrum Disorder

Allanah Smith, Sara King

The Use of Virtual Reality as a Rehabilitation Intervention for Individuals with Traumatic Brain Injury (TBI)

Laci Puglia, Maggie Underwood

From Pictures to Powerful Voices: How PECS Helps Children with Autism Spectrum Disorder Communicate

Jillian Williams, Chloe Chisholm

The Effectiveness of Foundations for Literacy for Children Who are Deaf or Hard of Hearing

Joseph Cumbie, Rebekah Beaver

The Impact of Social Narratives on Young Adults with Autism during their Transition

CTZN 410- Picturing Contemporary Issues

Faculty mentor, Dr. Alex Grabiec

Posters 36-51

Maggie Chapin, Eli Clark, Clara Mae Edwards, Kimmy Carrey, Abby Faulkner, Mackenzie Harris, Madison Howell, Emma Humphrey, Alvin Keels, Harley Kirby, Cassandra Nelson, Maria Papas, Andrew Riddle
Picturing Contemporary Issues

Andrew Riddle

Living a Healthy Lifestyle

Poster Session V- 3:20 - 4:20 p.m.

Blackwell Ballroom

NURS 230 – Foundations of Nursing Practice

Faculty mentors, Dr. Elizabeth Parker, Professor Rebecca Johnson, and Professor Brittany Cash

Posters 1-15

Katie Tuck, Avery Evans

Exploring the use of artificial intelligence in nursing decisions support systems

Ra'Asia Uddin and Emily Williams

Sexual Harassment in the Nursing Profession

Sarah Hahn, Riley Hunter

Addressing Nurse Burnout: The Impact of Stress Management and Support Programs on Patient Outcomes

Tristan DuPlissey and Andrew Hathaway

Gamification as Nursing Intervention for Pediatric Psychiatric Patients

Cheyenne Wall, Ella Searcey

From Feed to Fear: Medical Misinformation on Social Platforms

Kerynn Cox, Cassidy Perdue, Cara Gowdy

Comprehensive Sleep Promotion for Nurses

Cassidy Laroche, Samantha Gunn, Molly Layne

The Positive Impacts of Nursing Care Carts

Lean Baca Canales, Hannah Jones, Kaylee Perry

Alarm Fatigue and Intensive Care Unit Nurses' Response Time

Beatrice Da Roit, Jalyn Ferguson

Barriers to Workplace Violence Reporting in Nursing

Samantha Carraway, Rylen Hearn, Katelyn Lipscomb

Barriers to Bedside Handoff Report

Olivia Cheatham, Jordan Greene, Elizabeth Scott

Bridging the gap: Improving prehospital handoff communication between first responders and nursing staff

Emma Mungra, Alicia Hall, Amanda Carwile, Sydney Herrion

Delirium prevention in ICU patients

Braelyn Wilson, Kady Harth, Savannah Phelps

The Effectiveness of Early Mobilization to Prevent Hospital Acquired Injuries and Infections

Meredith Lanning, Kyara Greene, Eden Miller
Non-pharmacologic Pain Interventions Used in Nursing Practice

BIOL 250 – Introduction to Genetics and Cell Biology

Faculty mentor, Dr. Cristian Danna
Posters 16-25

Elizabeth Randolph, Abigail Williams, Christina Franklin, Malaya Holcomb
Identifying Unknown Bacteria Using 16S rRNA Gene Sequencing

Martin Esquivel, Alexander McNiven, Bryson Shin
Are there Bacterial Differences between Longwood Vending Machines?

Lidia Passut, Lee Burns, Bruno Maldonado
Microbial Identification in Indoor Environments Using 16S rRNA

Ariana Mercado, Penelope Williamson, Brandi Yasem, Lee Walker
Bacterial Differences in Upper and Lower Snow Layers

Emily Johnston, Sophia Ehly, Brendan Martin
16s rRNA Sequencing Identification

Abigail Merricks, Chesley Williams, Alyssa Woodard
Molecular Identification of Environmental Bacteria Using 16S rRNA Gene Sequencing

Natalie Corbin, Laden Mohamedhaj, Kealy Jaramillo
Project Report 16S rRNA sequencing mediated identification

Aiden Jamerson, Madison Gray
The world of cell biology

Zoë Timmins, Emily Wennberg, Shelby Tomlin, Carly Voorhees
Comparison of human-associated bacteria on inside and outside door handles

BIOL 250 – Honors- Introduction to Genetics and Cell Biology

Faculty mentor, Dr. Dale Beach
Posters 26-32

Harper Morrison, Sienna Huffman
Bacteria in Water Bottles

Sean Arjona, Molly Schlichting
The Isolation of Micrococcus Luteus from Commonly-Used Gym Equipment

Virginia Tyler, Hadley Heering
PCR Sequencing of 16S Ribosomal RNA gene

Ivy Marshall, Joshua Cailles
Be serious about B. Cereus

Saaya Bhandari, Reese Coggeshall
Athletics Gym PCR Testing Comparison and Analysis

Natalia Colone, Emma Schroeder
Extraction and Identification of Bacteria from a Used Softball Turf Shoe

BIOL 360- Developmental Biology

Faculty mentor, Dr. Stephanie Keer
Posters 33-37

Trinity Luxeder, Melisson Piercy
Effects of Ethanol Exposure on Zebrafish Embryo Development

Isis Bigelow, Lani Carwile
Effects of Caffeine on Zebrafish Development

Christian Reid, Antonio Mizelli, Rachel Vo
Effects of Ethanol and Retinoic Acid on Zebrafish development

Mackenzie Kushner, Sydnie Jones
The Effects of Ethanol on Early Development in Zebrafish

BIOL 330- Honors- Conservation Biology

Faculty mentor, Dr. Mark Fink
Posters 38-40

Anna Magee
Conservation Culture

Daniel Duarte
How Culturally Significant Animals and Notability Effect Conservation Efforts

BIOL 315- Invertebrate Zoology

Faculty mentor, Dr. Bjoern Ludwar
Poster 41

Javier Roldan

Invertebrate Diversification During the Cambrian Explosion: Origins of Body Plans and Early Marine Ecosystems

ENSC 201- Integrated Environmental Investigations

Faculty mentor, Dr. Dina Leech
Posters 42-47

Cait Summersgill, Sarah Terrell, Lainey Brown

Longwood vs Rural Property: Comparing Microclimates

Amy Nardini, Mez Sears, Mackenzie, Powell, Trinity Crahan

Don't Disturb the Microbes!

Adam Jones, Bowen Parrish, Louis Semtner, Quinton Wade

Water Harness Testing in Farmville from Source to Output

Kaylen Hill, Dorian Buchanan, Chloe McLain, Olivia Alonso

Salinity the Silent Killer

Nicholas Davis, Hunter Voelkner, Ethan Gartin, Aaron Austin

Headwaters to the Dam, the Water Quality of Briery Creek

Poster Session VI- 4:30 - 5:30 p.m.

Blackwell Ballroom

Independent Research

Posters 1-25

Tyler Bagent (Faculty mentor, Dr. Katrina Marks)

Longwood and Eminent Domain: Recognizing and Memorializing Farmville's Displaced Black Community

Kimberly Farrey (Faculty mentor, Dr. Tim Coffey)

Wearable and performance technology use in collegiate athletics

Dorian Buchanan (Faculty mentor, Dr. Ravi Sankar)

Chichester Fossil Stories

Ryan Smith (Faculty mentor, Dr. Ravi Sankar)

Examining The Kyanite Mining Corporations Land Use Change and Mine Reclamation

Trinity Luxeder, Alexis Pastore (Faculty mentor, Dr. Kenneth Fortino)

Algal Growth and Macroinvertebrate Community Structure in a Piedmont, Urban Stream

Camille Adenauer (Faculty mentor, Dr. Kenneth Fortino)

Characterization of microhabitat variation associated with tick questing behaviors: implications for alpha-gal syndrome exposure risk

Logan Miller (Faculty mentor, Dr. Mary Lehman)

Longwood's Harvill-Stevens Herbarium: Pollen Imaging Opportunities and Limitations

Javier Roldan, Taylor Balovich (Faculty mentor, Dr. Joanna Reinhold)

Comparing Populations of Ticks Near and Away from Water Sources + Future Research

Kenya Carrillo Hernandez (Faculty mentor, Dr. Stephanie Keer)

*Comparative Anatomical Assessment of the Adult Skeleton of *Xenopus tropicalis* and *Xenopus laevis**

Amy L. Nardini (Faculty mentor, Dr. Amanda Starr)

Unbe-"leaf"-able: Can a Frog Fungus Survive on a Leaf?

Gabrielle Quaresma (Faculty mentor, Dr. Amanda Starr)

Microbial Resistance in Livestock Communities

Kylie Houseknecht, Kaylie Stewart (Faculty mentor, Dr. Amorette Barber)

Chimeric PD1 T Cells as Cancer Therapy for Pediatric and Ovarian Cancers

Jaedyn Colon (Faculty mentor, Dr. Amorette Barber)

*Anti-Cancer Properties of *Acacia raddiana* Acacia Tree Extracts*

Emily Serrano-Orellana (Faculty mentor, Dr. Brandon Jackson)

The Role of Middle and Hind leg in Stink Bug (Halyomorpha halys) Gait: Insight from Induced Autotomy

Mackenzie Kushner (Faculty mentor, Dr. Brandon Jackson)

Inverted walking in stinkbugs

Rachel Danzitz (Faculty mentor, Dr. Bjoern Ludwar)

Iron-Oxidizing Bacteria from Environmental Sampling

Savva Sidorov (Faculty mentor, Dr. Bjoern Ludwar)

Project Argus

Sarah Cordrey, Onyx Gonzalez (Faculty mentor, Dr. Tim Ritzert)

University Instructor Responses to Student Email Requests for Excused Absences Related to Mental Health

Kyra Johnson, Audrey Thompson (Faculty mentor, Dr. Heather Kissel)

Psychophysiological and Self-Reported Reactions to Sensory Stimuli in Neurotypical vs. ASD Young Adults

Alexis Benson (Faculty mentor, Dr. Amanda MacNeil)

The Relationship between Self-care Behaviors and attitudes and Attitudes towards aging

Laney Legum, Savannah Minnick (Faculty mentor, Dr. Amanda MacNeil)

Mindset and Aging Perceptions: A Mediation Study in Emerging Adults

Claire Hollingsworth (Faculty mentor, Dr. Heather Kissel)

Stress and Coping in Female Survivors of Sexual Assault

Ryan Abernathy, Anna Thames (Faculty mentor, Dr. Heather Kissel)

Cannabis Use and Depression in Young Adults

FINA 350 – Principles of Finance

Faculty mentor, Dr. Yiwei Zhao

Poster 26

Skyler Lawrence

Portfolio Diversification and Risk Reduction: A Quantitative Analysis

Cormier Honors College for Citizen Scholars Posters

Posters 27-50

Chase Gionis (Faculty mentor, Dr. Katrina Marks)

The Rhetoric of Mr. Rogers' Neighborhood

Brandi Dawson, Brianne Dawson, and Autumn Williams (Faculty mentor, Dr. Corey Call)

Crushing on Killers: Society's Romanticization of Serial Killers and Violence

Leah Briggs (Faculty mentor, Dr. Erin Wallace)

Ways Elementary School Teachers can Support Students with Speech Sound Disorders

Caylin Donlevy (Faculty mentor, Dr. Erin Wallace)

The Impact of Pediatric Cancer Treatment on Articulatory and Audiological Systems

Sidney Brewster (Faculty mentor, Dr. Erin Wallace)

Disorder or Difference

Leah Briggs (Faculty mentor, Dr. Alison King)

Down Syndrome in society: views on language

Alexandra Flores (Faculty mentor, Dr. Alison King)

Family Matters: The Role of Caregiver Involvement in Pediatric Aural (Re)habilitation Outcomes

Eternity Taylor (Faculty mentor, Dr. Kelly Stahl)

Silent Barriers: The Comparison on Access for Urban v. Rural Areas

April Berumen-Rivas (Faculty mentor, Dr. David Zirkle)

Policy, Culture, and Capital

Isabella Frick (Faculty mentor, Dr. David Zirkle)

Economical Comparison of Serbia and Bosnia

Sarah Lacy (Faculty mentor, Dr. David Lehr)

Scoops and Statistics: Using AI Generated Data to Create a Demand Estimation

Oriana Izarra Vera (Faculty mentor, Dr. Vincent Magnini)

A Glance at Potential Future Support for U.S. Climate Action

Kristina Godette (Faculty mentor, Professor Ren Barnes)

Homage to 3 Designers

Hayley Garber (Faculty mentor, Dr. Dan Michael)

Sports Statistics 380

Claire Hollingsworth (Faculty mentor, Dr. Dan Michael)

A Comparison of WNBA/NBA Athletes' Salaries Over the Past 25 Years

Katie Reddel (Faculty mentor, Dr. Dan Michael)

Does the amount of time a team spends in the community correlate to better performance?

Makayla Byrd (Faculty mentor, Dr. Meg Thompson)

Escitalopram (Lexapro): Development, History, and Clinical Effectiveness

Donald (Trey) Dillon (Faculty mentor, Dr. Tena Ewing)

Student Athlete food insecurity- Longwood University

Addison Carney (Faculty mentor, Dr. Jessica Bourdon)

Tired of the Taboo: Exploring the Social Stigma Surrounding the Menstrual Cycle Throughout History and Today

Karina Moughal (Faculty mentor, Dr. Shayla Walker)

Mental Health of Incarcerated Youth

Emmely Soto Cruz (Faculty mentor, Dr. Shayla Walker)

Secondary Traumatic Stress and Compassion Fatigue among special education teachers

Campus Map



Parking: Park in the Brock Commons Garage (Underneath Building 21)

Registration and presentations: Rotunda (Building 51), Blackwell Ballroom and Maugans (building 42), and Bedford (building 8)

Performances: CSTAC (building 17) and Molnar Recital Hall in Wygal Hall (building 64)

