



PAIDEIA

CHRISTOPHER NEWPORT UNIVERSITY

—2025—

23rd Annual
Undergraduate and Graduate
Student Research Conference
Christopher Newport University

Friday, April 11, 2025



OFFICE OF STUDENT RESEARCH
AND CREATIVE ACTIVITY



PAIDEIA

(paɪ'deɪə)

The classical Greek concept of liberal learning. Through paideia, the culture and the youth were "molded" to the ideal of kalos kagathos, "the beautiful and good." Classical scholar Samuel Henry Butcher wrote in 1904 that paideia "in its full sense involves the union of intellectual and moral qualities. It is on the one hand mental illumination, an enlarged outlook on life; but it also implies a refinement and delicacy of feeling, a deepening of the sympathetic emotions, a scorn of what is self-seeking, ignoble, dishonourable—a scorn bred of loving familiarity with poets and philosophers, with all that is fortifying in thought or elevating in imagination."

Sponsored by the
**OFFICE OF STUDENT RESEARCH
AND CREATIVE ACTIVITY (ORCA)**

Dr. David A. Salomon, director
Ms. Terri Johnson, administrative assistant

**THE UNDERGRADUATE AND
GRADUATE RESEARCH COUNCIL**

Dr. Jessica Burket
Dr. Gina Fernandez
Dr. Laura Godwin
Dr. Chelsey Hamm
Dr. Sarah Koon-Magnin
Dr. Jonathan Kugel
Dr. Francesca Parente
Dr. William Phelps
Dr. Edward Primka
Dr. David A. Salomon
Prof. Mary Sellen
Dr. Antonio Siochi

Thanks to President William Kelly; Provost Quentin Kidd;
Associate Provost for Research and Dean of Graduate Studies Lynn Lambert;
the Captains Locker; and the Office of Scheduling, Events and Conferences.

Special thanks to Terri Johnson, Mary Sellen, Courtney Michel,
Kaitlyn Kinslow, and the ORCA Ambassadors.



As part of our commitment to sustainability, this year's program
has not been printed and is available only as an online PDF.

TABLE OF CONTENTS

SCHEDULE Conference Maps	7
------------------------------------	---

SESSION 1: A-I Noon–12:50 p.m.	14
SESSION 1: F Noon–1:50 p.m.	

SESSION 2 1–1:50 p.m.	18
---------------------------------	----

SESSION 3 POSTER SESSION A 2–2:50 p.m.	21
--	----

KEYNOTE ADDRESS Nell Greenfieldboyce “Transient and Strange: Notes on the Science of Life”	24
---	----

SESSION 4 4–4:50 p.m.	25
---------------------------------	----

SESSION 5 POSTER SESSION B 5–5:50 p.m.	28
--	----





Amie Kelso **The Work of Thrift Store Resellers** SOCL 490
How do these resellers view their own role in the fight for limited resources at the thrift store?

METHODOLOGY

- Participant Observation
- Semi-structured Interviews
- Content Analysis

Participants were contacted through direct messaging on Instagram's social media platform. The methodology was not necessarily ethnographic.

THEMES

- Quest for Work
- Community
- Resilience
- Stigma
- Identity
- Empowerment
- Resilience
- Stigma
- Identity
- Empowerment

ANALYSIS

Thematic analysis was used to identify common themes across the data. The analysis revealed that participants viewed their work as a form of activism and a way to build community. They also expressed a sense of pride in their work and a desire to help others in need.

7 "Yeah, you can give him P. when you want to right... But we're also still doing it in a way that's lowkey a little disrespectful still to ourselves."

Social Importance:

Hypermasculine Ideology: The concept of hypermasculinity is a cultural ideal that emphasizes traits such as physical strength, aggression, and dominance. It is often associated with a sense of pride and a desire for respect. In the context of the study, hypermasculine ideology is seen as a way for men to assert their masculinity and gain respect from others.

Research Paradigm:

The study is based on a qualitative research paradigm, which involves the collection and analysis of non-numerical data. The research aims to understand the experiences and perspectives of men who identify as hypermasculine.

Theory:

The study is grounded in the theory of hypermasculinity, which suggests that men who identify as hypermasculine are more likely to engage in behaviors that are associated with this ideology, such as aggression and dominance. The study also explores the role of respect in the lives of these men and how it is related to their hypermasculine identity.

Findings:

The study found that men who identify as hypermasculine are more likely to engage in behaviors that are associated with this ideology, such as aggression and dominance. They also expressed a strong desire for respect and a sense of pride in their identity. The study also found that these men are more likely to engage in behaviors that are disrespectful to themselves, such as using drugs or alcohol.

Methods:

The study used a qualitative research design, which involved the collection and analysis of non-numerical data. The data was collected through semi-structured interviews and participant observation. The analysis was done using thematic analysis, which involves identifying common themes across the data.

Literature Review:

The study reviewed a number of articles related to hypermasculinity and respect. The articles found that hypermasculine men are more likely to engage in behaviors that are associated with this ideology, such as aggression and dominance. They also expressed a strong desire for respect and a sense of pride in their identity.



SCHEDULE

REGISTRATION: 11 A.M.-2 P.M.

Tribble Library Main Rotunda

All attendees: please present your CNU ID to register to win door prizes

Presenters will receive their conference badge and lanyard

PHI BETA KAPPA SPONSORED AWARDS AND RECEPTION

Noon-2 P.M.

Library Media Collection Room

ART SENIOR THESIS EXHIBITION: April 11-May 17

Opening reception: 5 p.m. in the Torggler Atrium (Prof. Kristin Skees)

**Works on display in Mary M. Torggler Fine Arts Center,
William Grace Gallery (first floor), Academic Gallery and
North Hall Galleries (second floor)**

Kale Bostick: Drawing
Marc Bryant: Graphic Design
Natalie Fox: Photography
Kayla Gaddy: Ceramics
Candyce Harrell: Painting
Patrick Kelly: Graphic Design
Ninva Maniaci: Digital Illustration
Liz Milausnic: Printmaking
Joy Parker: Printmaking
Alysa Pigatt: Animation

Madalyn Tripp: Mixed Media Painting
Zoey Vreeland: Mixed Media Photography
Allison Whitener: Mixed Media Design
Kiana Yoffe: Drawing
Joy Parker: Printmaking
Alysa Pigatt: Animation
Madalyn Tripp: Mixed Media Painting
Zoey Vreeland: Mixed Media Photography
Allison Whitener: Mixed Media Design
Kiana Yoffe: Drawing

**EXHIBITION OPENING: "MADE FOR THE MOMENT:
GLIMPSES INTO AMERICAN POP CULTURE"**

Advanced Museum Studies, Dr. David Salomon

Tribble Library second floor, outside Media Library

Aster McMillion (Project Manager)
Madeline Chevalier (Project Manager)
Campbell Mitchell (Project Manager)

Andrew Brown
Elizabeth Childress
Hayden Clevenger
Paige Cole

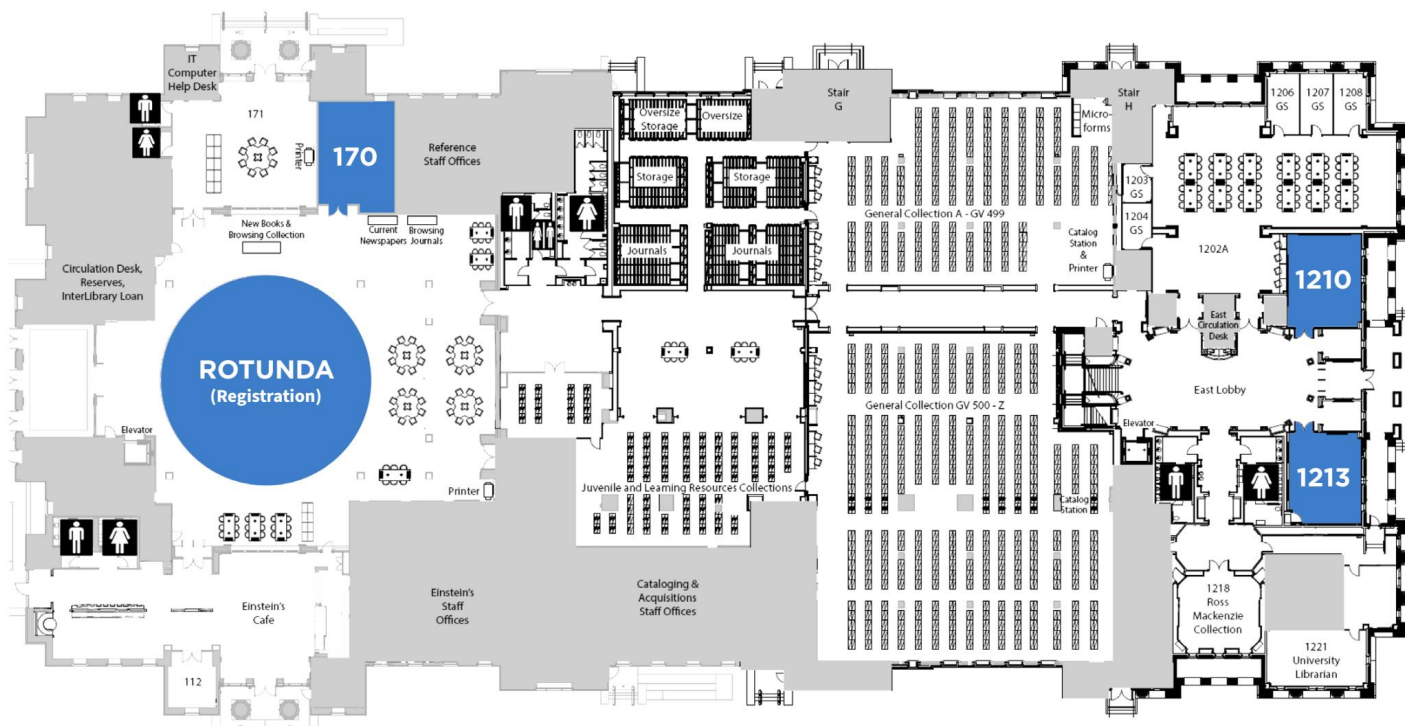
Dena Flores
Ellie Garrison
Hades Hardy
Kaitlyn Kinslow

Elinor Kouns
Charlotte Minton
Susan Pirnat
Helen Schmuck

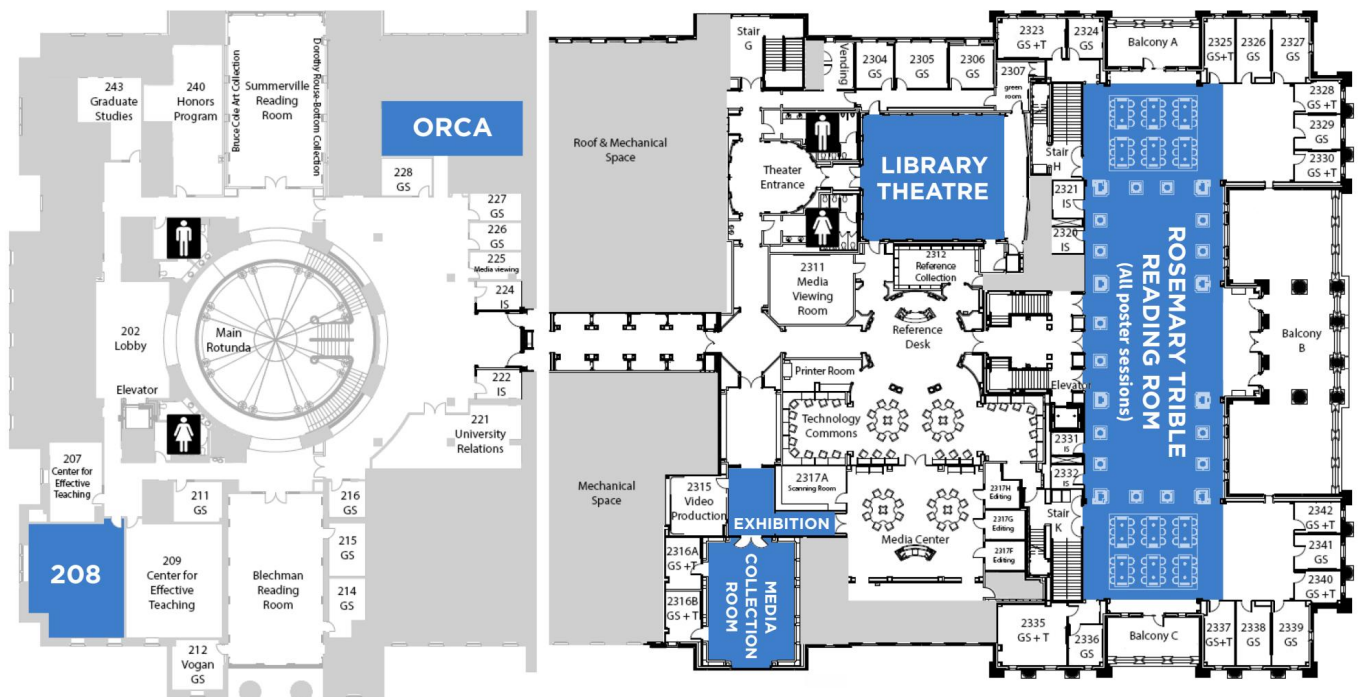
Kiya Smith
Savannah Spady
Amelie St. Clair
Jacob Willcox

PAUL AND ROSEMARY TRIBLE LIBRARY

Additional sessions in the Mary M. Torggler Fine Arts Center
and the David Student Union.

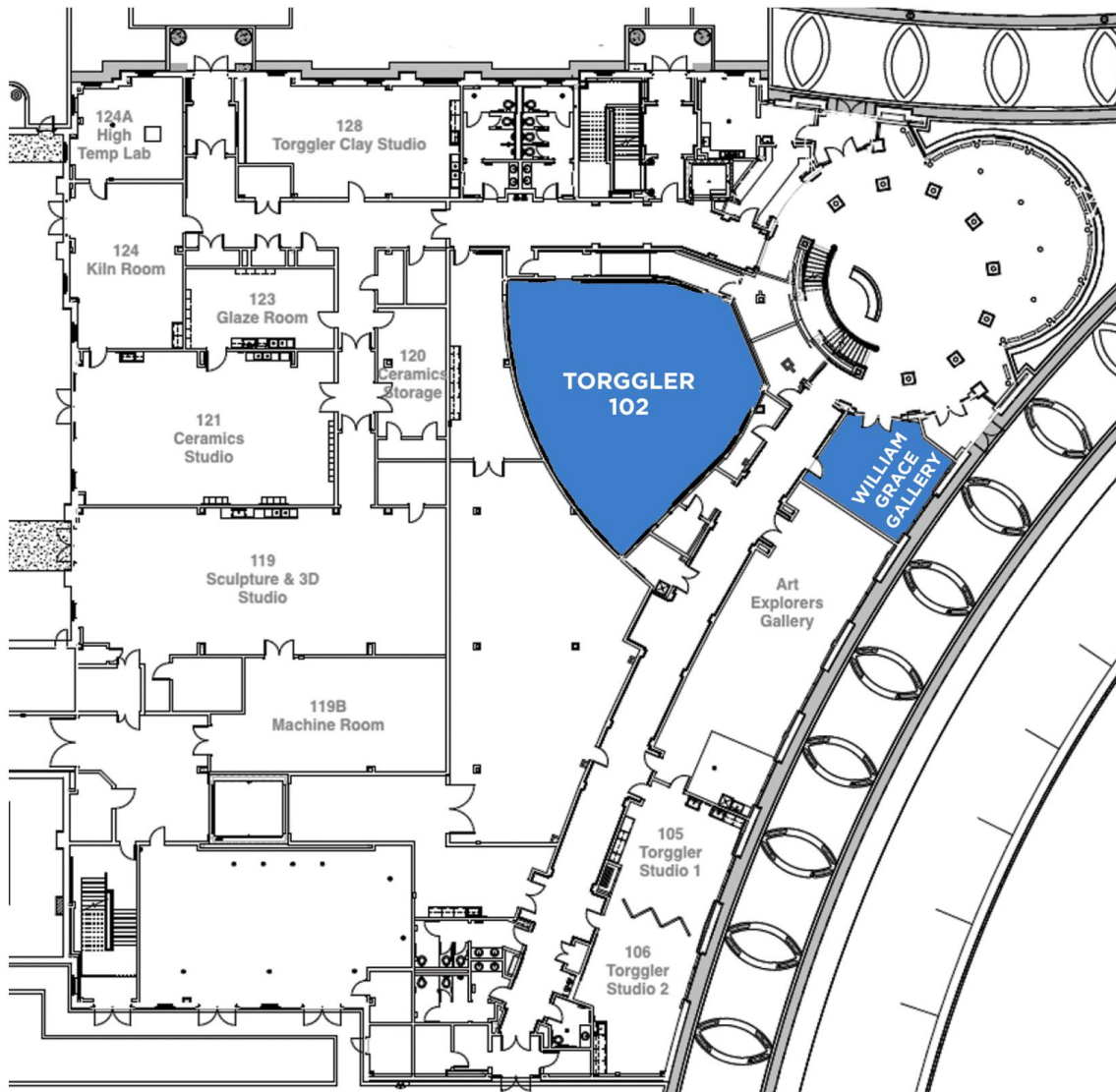


FIRST FLOOR

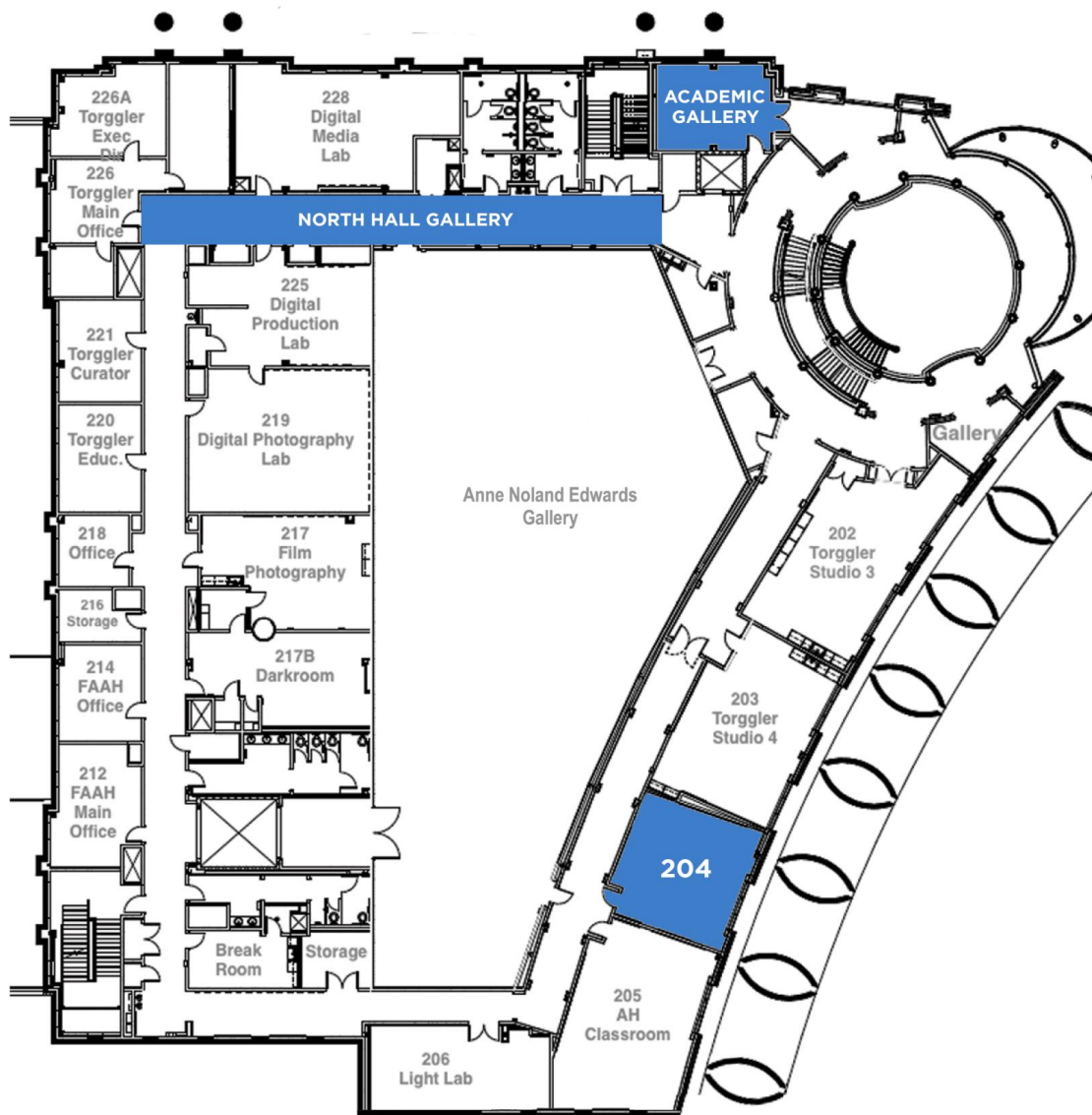


SECOND FLOOR

MARY M. TORGGLER FINE ARTS CENTER



FIRST FLOOR



SECOND FLOOR



Bond

Alkyne

Alkene

Alkene

Alkyne

Alkene

Alkyne

DAVID STUDENT UNION



SECOND FLOOR

SESSION 1 NOON-12:50 P.M.

A

SOCIOLOGY AND ANTHROPOLOGY

Moderator: Dr. Steven Keener

Library 1210

Kaylee Moore, “Mental Health and Diversion: A Participant Observation Study of Virginia’s Behavioral Health Dockets” (Dr. Steven Keener)

Elizabeth Fleury, “Taylor Swift as the Voice of the Post-Sexual Revolution Era: A Lyrical Content Analysis” (Dr. Michael Lewis)

Jordan Vrchoticky, “The Pandemic and Reentry: An Overview of How Practitioners Adapted to the Many Challenges of the Covid-19 Pandemic” (Dr. Steven Keener)

B

MUSIC PANEL: Beyond Sound: Extra-Musical Meaning in Composition and Context

Moderator and Sponsor: Dr. Michael Levine

Library 208

Jonathan Martin, “Myths, Mysteries, and Misinformation: How Alexander Scriabin’s Legacy and Image was Changed After His Death in 1915”

Roderic Williams, “Interactive Music in Video Games: Shaping Player Experience Through Sound”

Claire Jones, “A Major Investigation: The Key of Love, From Mozart to Musical Theater”

SESSION 1: NOON-12:50 P.M.

C

MODERN AND CLASSICAL LANGUAGES AND LITERATURES

Moderator: Dr. Patricia Siewe Seuchie

DSU Monroe
Room

Ashman Moudgill, Blake Boggess, "The Efficiency and Effectiveness of Moral Lesson and Oral Traditions" (Dr. Patricia Siewe Seuchie)

Samantha Saba, "Gender and Labor Dynamics in Jordan" (Dr. Diana Obeid)

Ella Barham, "Folktales as early cognitive development tools" (Dr. Patricia Siewe Seuchie)

D

MOLECULAR BIOLOGY AND CHEMISTRY

Moderator: Kaeden Yoder
Sponsor: Dr. Jessica Burket

DSU Jefferson
Room

Dylan Springer, "A Bioinformatics Approach to Autism Spectrum Disorder Gene Expression"

Benjamin Goodman, "Comparison of Behavioural Data Analyzed by Humans and Artificial Intelligence"

Jed Stephenson, "Regulatory neurons and nets: like a surge protector, for the brain!"

E

MIXED BAG

Moderator: Dr. Matthew Homan

Library 170

Galen Bene, Renee Ramos Lozada, "Mechanisms of Collective Resistance Against Deforestation and Deterritorialization in the Argentine Gran Chaco" (Dr. Rocio Gordon)

Jacqueline Riley, "Social Media Trends and Campaign Efficacy: A Case Study of the 2024 U.S. Presidential Election" (Dr. Taiyi Sun)

Leah Felsenheld, "Panpsychism and the Self" (Dr. Matthew Homan)

SESSION 1: NOON-12:50 P.M.

F

ART HISTORY

Moderator and Sponsor: Dr. Rebecca Wolff
Session will run Noon-1:50 p.m.

Torggler 102
Lecture Hall

Madeline Chevalier, "Homer for Empire: Flaxman, Leighton, and the Iliad's Role in British Imperial Ideology"

Campbell Mitchell, "Betrothed Passage: Thomas Hart Benton's Vision of American Immigration and Identity"

Kiya Smith, "The Measure of Man: Dürer's Four Books on Human Proportion and its Artistic Foundations of Racial Ideology"

Savannah Spady, "Reclaiming Susanna: Artemisia Gentileschi's New Gendered Lens on Susanna and the Elders"

G

SCIENCE MIXED BAG

Moderator: Dr. Edward Primka IV

DSU Madison
Room

Hunter Moore, "The Impact of Gut Health on Brain and Muscle Decline" (Dr. Anna Salazar)

Marcus Williams, "Eyes of Three to Regulate UV? Investigating the Parietal Eye in the Ornate Tree Lizard" (Dr. Matthew Lattanzio)

H

FILM STUDIES

Moderator and Sponsor: Dr. Raffi Sarkissan

Library Theatre

Andrew Morris, "Genre Analysis of End of Watch: Redefining the Buddy Cop Film"

Emma Faith, "Breaking Genre Conventions: How Ratatouille Redefines the Food Film Genre"

SESSION 1: NOON-12:50 P.M.

I

HISTORY

Moderator: Dr. Philip Hamilton

DSU Washington
Room

William Tribble, “History Beyond Face Value: Examining Revolutionary America and its Coinage” (Dr. Philip Hamilton)

Soren French, “What Goes on Behind Closed Doors: Parlor Room Politics, Race, and Class during the American Revolution” (Dr. Philip Hamilton)

Tristan Fishel, “The Great Law of Peace and the French and Indian War” (Dr. Sheri Shuck-Hall)



SESSION 2: 1-1:50 P.M.

A

MOLECULAR BIOLOGY AND CHEMISTRY

**DSU Madison
Room**

Moderator and Sponsor: Dr. Joshua Patterson

William Flannery, “Final Steps Towards Total Synthesis of Torreyunlignan D”

Matthew Shackelford, “Stereochemical Analysis of Torreyunlignan-D and Analogs via 2D NMR”

B

ENVIRONMENTAL STUDIES

**DSU Monroe
Room**

Moderator and Sponsor: Dr. Andrew Rose

Jocelyn Rivera, “The Business of Sickness: How Processed Food and Pharma Work Together”

Dylan Murray, “Sustainability in the Florida Keys: Investigating Ways to Combat Coral Bleaching in a Dire Time of Need”

Gwendolyn Via, “An Unlikely Partnership for Sustainability: Deep Ecology and Environmental Pragmatism”

C

HISTORY

**DSU Jefferson
Room**

Moderator: Dr. James Allegro

Jayda Ohler, “Captain America: Defining Patriotism”
(Dr. Brian Puaca)

Fiona St. Clair, “Redefining the Damsel: Wanda Maximoff and the Reality of Trauma” (Dr. Brian Puaca)

Madeline Lewis, “The Teen Titans and the Importance of Adolescent-Centered Media” (Dr. Brian Puaca)

SESSION 2: 1-1:50 P.M.

D

HONORS PANEL DISCUSSION:

Reclaiming the Internet

Moderator: Dr. Sarah Koon-Magnin

Library 1210

Caleb Foca, Erin Burrier, Eva Powell, Christine Nguyen

(Dr. David Salomon)

E

PSYCHOLOGY AND COMMUNICATION

Moderator: Dr. Jessica Burke

Library 170

Evangelos Hadjmichael, "The Interplay Between Social Media Usage and Relationship Satisfaction Across Relationship Types" (Dr. Michelle Lange)

Kyleigh Loy, "Lifting Up or Bringing Down: The Effects of Praise and Criticism on Performance" (Dr. David Salomon)

Mary Hurley, "'Why did you not take the trash out...AGAIN!': The effects on roommate satisfaction and closeness during serial argumentation utilizing technology" (Dr. David Roaché)

F

MOLECULAR BIOLOGY AND CHEMISTRY II

Moderator: Dr. Ronald Quinlan

DSU Washington
Room

Phillip Pond, "Hops and Terroir: How Growing Region Affects Chemical Composition and Beer Flavor" (Dr. Joshua Patterson)

David Mitchell, "Changes in flavor and aroma compounds in hop oil over their lifetime in the brewing process" (Dr. Joshua Patterson)

Michael Kriel, "Separation of α - and β -Acids To Investigate Effects of Hop (*humulus lupulus*) Growth Region On Related Flavor Compounds" (Dr. Joshua Patterson)

SESSION 2: 1-1:50 P.M.

G

HISTORY II

Moderator and Sponsor: Dr. Sara Black

Library 208

Parker Vess, "Gaining Patient Agency through Treatment: Rethinking the Hysteria Diagnosis"

Colin Steensprang, "The Racial Limits of the French Third Republic's Universal Values in Vietnam"

H

ENGLISH PANEL:

"Contextualizing Shakespeare:
Henry V, The Tempest, and Twelfth Night"
Moderator and Sponsor: Dr. Jessica Apolloni

Library Theatre

Samantha Saba, "Colonialism, Servitude, and Utopia in The Tempest"

Tristan Fishel, "Henry V in History and on Stage"

Genna McKenzie, "An Exploration of the Lesbian Identity in Twelfth Night"

I

DANCE, CHOREOGRAPHY, COLLABORATION

*Moderator and Sponsor:
Prof. Ann Mazzocca Bellecci*

Ferguson Dance
Studio T177

Jess Langhorne, "The Spiritual Awakening through Dance"

Kathryn Bentov-Langman, "Echoes of Movement: Insights from Balanchine's Choreography in Crafting New Visions and A Journey into Choreographic Synthesis"

Annalise Sison, "Redesigned" (film)

SESSION 3: 2-2:50 P.M.

POSTER SESSION A

All posters in the Rosemary Tribble Reading Room. Numbers indicate easel numbers.

1	Audrey Hales, Summer Duba , "The Blueprint of a Fish: Exploring Body Shape Diversity in Ray-Finned Fishes" (Dr. David Collar)
2	Rachael Fitzgerald , "An Examination of Sexual Attitudes and Behaviors in Older Adults: A Case Study" (Dr. Earl Riggins)
3	Samuel Celestino , "The Relationship between Adult Attachment Styles and Musical Genre Preference" (Dr. Earl Riggins)
4	Olivia Walker, Caden Mills , "A Diary Study of the Influence of Marijuana on Memory and the Fading Affect Bias" (Dr. Jeffery Gibbons)
5	Mary Hurley , "Navigating Political Polarization in Academia: A Deeper Look at Higher Education Systems" (Dr. Crystal Shelton)
6	Jaden Moore, Brietta Daizell , "The Fading Affect Bias in Relation to Rule Following and Rule Breaking" (Dr. Jeffery Gibbons)
7	Merrick Edgerton , "Competitive Culturing of Normal Flora Bacteria and Yeast in Presence of Antibiotics" (Dr. Denise Tombolato-Terzic)
8	Hunter Moore, Connor Auby , "The Impact of Gut Health on Brain and Muscle Decline" (Dr. Anna Salazar)
9	Elizabeth Fleury , "Francesca Gino's Dishonest Data: A Failure of Ethic Proportions" (Dr. Lori Throupe)
10	Rafik Zanoun , "The Tyranny of the Majority in The Wire" (Dr. Elizabeth Kaufer Busch)
11	Kaeden Yoder, Courtney Anderson, Talisa Wessels, Matthew Mya, Morgan Hutchinson , "Exploring social effects of D-Cycloserine drug administration on young mice with 22q deletion syndrome" (Dr. Jessica Burket)

SESSION 3: 2-2:50 P.M.

POSTER SESSION A

All posters in the Rosemary Tribble Reading Room. Numbers indicate easel numbers.

12	Mariam Usman , "The effect of acute stress and estrogen treatment on spatial learning" (Dr. Olga Lipatova)
13	Amber Baldwin, Sarah League , "Nicotinic Acetylcholine Receptor Antagonism via Dihydro- β -erythroidine in Conditioned Place Preference" (Dr. Gina Fernandez)
14	Gia Ebel , "Divergent Responses in Corticospinal and Peripheral Excitability Throughout Acute Fatiguing Exercise in Resistance Trained Men" (Dr. Alex Olmos)
15	Philip Sherrill, Dayanara Rivera, Addison Suter, Anna Sine, Austin Dean , "Sex differences on a rodent model of anxiety and exploration: The effect of adolescent drug exposure" (Dr. Gina Fernandez)
16	Kendall Orndorff , "Can Play Improve autonomic function in Children with Dysautonomia or POTS?" (Dr. Courtney Mozo)
17	Corynne Dunaway, Nichole Lipinski , "Sharing the Joy: How Communication Apprehension Impacts Relationship Satisfaction Among Friends" (Dr. Sena Toh)
18	Tyler Potock , "Job Satisfaction, Job-Related Stress, and Adult Attachment: A Pilot Study" (Dr. Earl Riggins)
19	Sean Gamache , "Influence of Divergent Resistance Training on Absolute and Relative Motor Unit Behavior and Input Excitation" (Dr. Alex Olmos)
20	Jaiden Smith , "Divergent Resistance Training Alters Neuromuscular Behavior of the Vastus Lateralis During an Absolute Muscular Endurance Task" (Dr. Alex Olmos)

SESSION 3: 2-2:50 P.M.

POSTER SESSION A

All posters in the Rosemary Tribble Reading Room. Numbers indicate easel numbers.

21	Trinity Cathers , "Comparison of Maximal Strength, Muscle Morphology, Corticospinal Excitability, and Intracortical Inhibition in Normal- and Over-Fat Sedentary Males" (Dr. Alex Olmos)
22	Jackson Perez, Jasmine Hector , "Examination of LY2365109, a Glycine Type-1 Transport Inhibitor on Social Behavior in the Genetically-Inbred BALB/c mouse model of Autism Spectrum Disorder" (Dr. Jessica Burket)
23	Micah Sieck , "Bimetallic catalyst & support structures for H ₂ generation under light & dark conditions" (Dr. Tarek Abdel-Fattah)
24	Joanna Wright , "Laguerre Polynomials and the Differences of their Consecutive Roots" (Dr. Jessica Kelly)
25	Owen Henke , "Intestinal Barrier Dysfunction Results in Brain Protein Aggregation and Muscular Aging in <i>Drosophila melanogaster</i> " (Dr. Anna Salazar)
26	Emma Sebastian , "Fruit Flies: Understanding the link between SSK gene and Alzheimer's" (Dr. Anna Salazar)
27	Katelyn Cockrell, Elena Rezac, Emily Smith, Chayse Cotton, Morgan Carter , "Effect of Multiple Presentations on Forced-Choice Mnemonic Discrimination" (Dr. Lesile Rollins)
28	Kai Wakeman, William Westbrook , "Academic Entitlement and Adult Attachment: A Preliminary Analysis" (Dr. Earl Riggins)
29	Mitchell Bundick , "Distribution of calcium in Atlantic White Cedar Swamps: A new mechanism for self-maintenance" (Dr. Robert Atkinson)
30	Candyce Harrell, Abby Haney , "'The Beating of His Hideous Heart': The Incessant Draw of Horror Fiction" (Dr. Kyle Garton-Gundling)

PAIDEIA 2025

KEYNOTE EVENT

NELL GREENFIELDBOYCE

IN CONVERSATION

Science and Tech Reporter
for National Public Radio

APRIL 11, 2025 AT 3 P.M.
Mary M. Torggler Fine Arts Center
Lecture Hall

*Transient and Strange: Notes on
the Science of Life Reception and
Book Signing to follow event
(Torggler Atrium)*

FREE AND OPEN TO THE PUBLIC



LEARN MORE:
cnu.edu/research/paideia



@Timothy Devine

SESSION 4: 4-4:50 P.M.

A

MOLECULAR BIOLOGY AND CHEMISTRY

Moderator and Sponsor: Dr. Joshua Patterson

DSU Madison

Room

Amber Stuller, "Hydrogen Bonding Effects on the Interfacial Affinity of Methyl Sulfonate"

Jennifer Young, "How Hydrogen Bonding Impacts Interfacial Preference"

Kayla Burnette, "Determining Small Mammal Species through Identifying their Chemical Signature via Scat"

B

MOLECULAR BIOLOGY AND CHEMISTRY II

Moderator: Dr. Jeffrey Carney

DSU Jefferson

Room

Lauren Jarrett, Tommy Wasilik, "The Structural Studies of Mutant BA0150" (Dr. Kathryn Cole)

Aivy Le, "Molecular Modeling of Halogenated Tubulin Inhibitors" (Dr. Kathryn Cole)

C

MIXED BAG

Moderator: Dr. Frank Garmon

Torggler 204

Lucy Vick, "The Legacy of Alexander Hamilton: Who Tells Your Story?" (Dr. Frank Garmon)

Paige Cole, "Youth exposure to gun violence and its relationship to trauma: A case study of the extended impact of bus stop shootings in Newport News, VA" (Dr. Linda Waldron)

SESSION 4: 4-4:50 P.M.

D

MIXED BAG

Moderator: Dr. Gina Fernandez

Library Theatre

Kendall Etheridge, “Unlocking the Peninsula’s Potential: Bridging the Gap Between Strengths and Economic Growth” (Dr. William Donaldson)

Emily McKenna, “‘I Am Not Throwing Away My Shot’...But Did He Get Some Help Aiming? Examining Merit and Patronage in Hamilton’s Trajectory.” (Dr. Frank Garmon)

Margaret Rader, “Mrs. Dalloway or The Hours: How A Writer’s Diary Establishes Mrs Dalloway as a Study of Insanity, Time, and Community” (Dr. Anna Teekell)

E

HISTORY

Moderator: Dr. John Hyland

Torggler 205

Catherine Hyatt, “Roman Military and Civilian Medicine In the Republic” (Dr. John Hyland)

Rose Perkins, “Humor on the Stage: Reflections of the Comedy of Plautus in Roman Republican Culture and Evidence of Plays Within Society” (Dr. John Hyland)

Hades Hardy, “Livia Drusilla: Perception, Power, and Biases” (Dr. Jared Kreiner)

F

SCHOOL OF ENGINEERING AND COMPUTING

Moderator: Dr. Yan Lu

**DSU Washington
Room**

Cooper Bowden, “Educating Citizens through Open-source RAG Chatbots: a Generative AI approach” (Dr. Yan Lu)

Elias Rooker, “Automating Power System Optimization and Analysis Through ETAPPy Integration” (Dr. Hessam Keshtkar Vanashi)

SESSION 4: 4-4:50 P.M.

G

SUSTAINABILITY

Moderator: Dr. Linda Manning

Library 208

Abigail Dominque, “Sustainability Fellowship — Connecting Communities Through Sustainability” (Dr. Linda Manning)

Emily Griffin, “Resilient Shelters: Designing Sustainable Housing for a World Impacted by Climate Change” (Dr. Johnny Finn)

H

MIXED BAG

Moderator: Dr. Elizabeth Kaufer-Busch

Library 170

Paiton Jones, “Why Affiliate?: Factors that Motivate Independent Terrorist Organizations to Affiliate with Al-Qaeda” (Dr. Crystal Shelton)

John LeMasney, “Utopianism and its Utility in Capital and The Communist Manifesto: Linear History, Ressentiment, and Subjectivity” (Dr. Michael Mulryan)

Katherine Grant, “By Other Means: How Legislative, Executive, and Judicial Actions Have Fulfilled the Promise of the Equal Rights Amendment” (Dr. Elizabeth Kaufer-Busch)

I

“PROMPT: An AI Experience”:

Graphic Design and Music Collaboration

Moderators and Sponsors: Prof. Alan Skees and Dr. Kelly Rossum

**Torggler 102
Lecture Hall**

Music: **Dustin Becker, Parker Hess, Ethan Willis, Madelyn Duggins, Allyson Gilmore, Zacharay Gist, James Heyer**

Art and Design: **Benjamin Reinford, Nazaria Daniel, Nathaniel Aponte, Matthew Pearson, Grant Stanley, Madalyn Tripp, Alexandria Procida, Rebecca Lambertson, Ryan Shank, Caroline Pulleo, Alysa Pigatt, Emma Stein, Patrick Kelly, Sanai Williams, Zoey Vreeland, Kylie Sobray**

SESSION 5: 5-5:50 P.M.

POSTER SESSION B

All posters in the Rosemary Tribble Reading Room. Numbers indicate easel numbers.

1	Aleigh Puckett , "Does Money Really Buy Happiness?: An Exploration into the Relationship Between GDP and the WHR" (Dr. Crystal Shelton)
2	Brandi Ives, Margaret Harlan , "Alcohol by volume gas chromatography measurements" (Dr. Ronald Quinlan)
3	Kendall Orndorff , "Feminine Hygiene Products: Filtering Fact from Fear" (Dr. Denise Tombolato-Terzic)
4	Evangelos Hadjimichael, Mark Voster, Mila Nortje, Hagen Moran, Peter Lane , "Are you Better Than Your friends? Self-Esteem and the Better-Than-Average Effect" (Dr. Jeffery Niehaus)
5	Savannah Dunn, Katherine Zickel , "Reporters and Robots: Ethical Challenges of AI in Journalism" (Dr. Cynthia Davis)
6	Carly Estrella , "Inadvertent Plagiarism: Expertise, Group Dynamics, and AI Implications" (Dr. Gayle Dow)
7	Amber Samsel , "The Relation Between The Dark Tetrad and Leadership" (Dr. Gayle Dow)
8	Michael R. Rest, Lindsay K. Smith , "OCPD Features and the Role of Insecure Adult Attachment in a University Sample" (Dr. Earl Riggins)
9	Sara Chaari , "Dynamics of Dose-Response of Zebrafish (Danio Rerio) Preference For Undisturbed Shoals Over Shoals Exposed To The Synthetic Alarm Substance Hypoxanthine-3-N-Oxide (C ₅ H ₄ N ₄ O ₂)" (Dr. Andrew Velkey)
10	Jasmine Batth, Maeve Korengold , "The Impact of Involvement in Policy on Students' Attitudes Towards DEI Policy" (Dr. David Salomon)

POSTER SESSION B: 5-5:50 P.M.

All posters in the Rosemary Tribble Reading Room. Numbers indicate easel numbers.

11	Olivia Walker , "Workplace Drama; How Employee Observations of Reward Allocation Influence Procedural Justice in Deserved and Undeserved Work Environments" (Dr. Jeffery Gibbons)
12	Kai Wakeman, William Westbrook , "Sex Differences in the Relation between Parental Bonding Types and Machiavellianism" (Dr. Earl Riggins)
13	Bridget Little, Charlotte O'Connors , "Imbalanced Emotions: Positive and Negative Affect Fade Differently with Esteem and Sexual Addiction across Events" (Dr. Jeffery Gibbons)
14	Trinity Boucher , "Influence of Sourcing Match across Learning/Testing and Priming on Believable and Unbelievable Media Headlines" (Dr. Jeffery Gibbons)
15	Jessica Cruz , "Art Therapy's Impact on College Student's Mental Health" (Dr. Christopher Loy)
16	Kathryn Abendschoen , "The Importance of Perceived Social Support for Life Satisfaction and Mental Health in College Students" (Dr. Susan Antaramian)
17	Stephanie McHugh , "Fecal Indicator Bacteria: Ongoing Precision and Recovery" (Dr. Jennifer Knies)
18	Megan Munford , "Heat Disparity in a Warming World: Mapping Heat Inequity and Health in the Wake of Climate Change in Washington, D.C." (Dr. Andrew Rose)
19	Ollie Robertson , "Carrie The Musical: An Illustration of Uninhibited Emotion" (Dr. Ryan Bible)

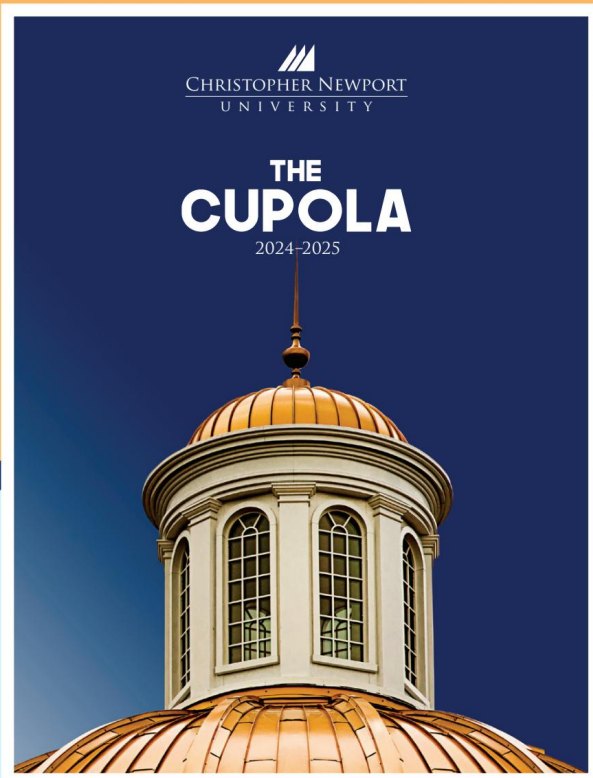
SESSION 5: 5-5:50 P.M.

POSTER SESSION B

All posters in the Rosemary Tribble Reading Room. Numbers indicate easel numbers.

20	Mya Lee, Geneta Scott, Luke Saunders, Jessica Hendrix, Taleen Timani , "Extracellular Matrix Collection and Digestion for LC-MS Using Age-Matched <i>C. elegans</i> " (Dr. Christopher Meighan)
21	Lindsay K. Smith, Isabella M. Ventimiglia , "Regional Differences in Knowledge of Aging and Ageist Views among University Students" (Dr. Earl Riggins)
22	Laura Passagaluppi , "A Filtered Love: How Social Media Influences Relationship Initiation" (Dr. David Roaché)
23	Lauren Jones , "How Skinny Do You Have to Be in Order to Receive a Proper Diagnosis?" (Dr. Cristina Menjivar)
24	Lydia Elkins , "Do Pre-workout Fat Burners Work? The Acute Effects of Yohimbine HCl Supplementation on Energy Metabolism during Resting and Aerobic Exercise: A Case Report" (Dr. Zidong Li)
25	William Meyer, Megan Adkins, Natalie Truelove , "Asymmetrical Generalization of Associative Responding Between Tone-On and Tone-Off Cues" (Dr. Matthew Campolattaro)
26	Atticus Wingfield , "Classifying Inverse Limits for a Family of Set-Valued Functions" (Dr. James Kelly)
27	Michelle Perrault , "Combined Strength and Hypertrophy Training Results in Greater Cortical and Spinal Excitability than Strength Alone" (Dr. Alex Olmos)

Become a published scholar!



Christopher Newport University's
Undergraduate Research Journal

THE CUPOLA 2024-25

Call for Submissions

To be eligible, undergraduates and graduate students must submit an electronic version of their paper or poster following the submission guidelines. Papers and posters presented at Paideia are especially encouraged.

**Published authors receive
a \$100 award.**

**Top papers receive
\$500 Cupola Awards.**

DEADLINE FOR SUBMISSION: 11:59 P.M., MAY 16, 2025

For complete information, go to cnu.edu/research/programs



**Dr. David A. Salomon, director, ORCA: david.salomon@cnu.edu · Library 230
OFFICE OF RESEARCH AND CREATIVE ACTIVITY**

Thanks to all
student presenters
and faculty mentors.

Join us for the
24th Annual
PAIDEIA
on
April 17, 2026



CHRISTOPHER NEWPORT
UNIVERSITY

cnu.edu/research