



PAIDEIA

CHRISTOPHER NEWPORT UNIVERSITY

—2022—

**20th Annual
Student Research Conference
Christopher Newport University**

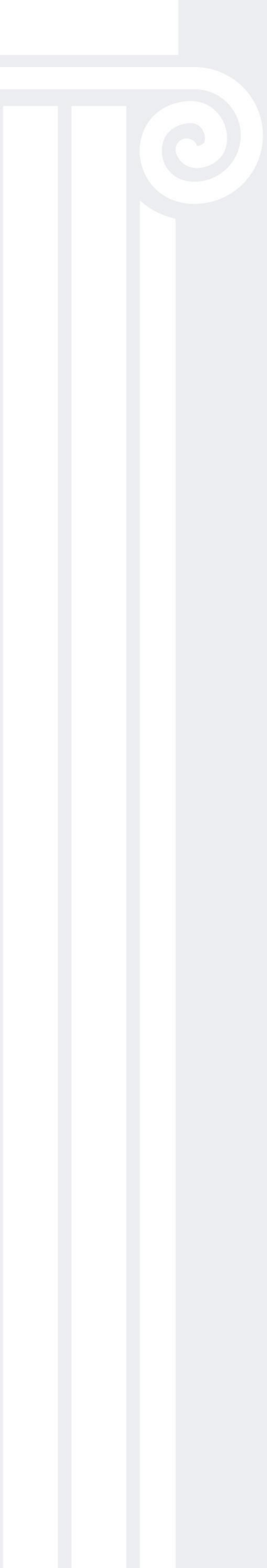
Friday, April 8, 2022

Tribble Library and Torggler Fine Arts Center



OFFICE OF UNDERGRADUATE
RESEARCH AND CREATIVE ACTIVITY

OPEN TO THE PUBLIC



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 UNDERGRADUATE RESEARCH
AND CREATIVE ACTIVITY (OURCA)

Dr. David A. Salomon, director
Dr. Michaela D. E. Meyer, academic director
Michaele Baux, administrative assistant

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Dr. Anna Teekell
Dr. Robert Winder

Thanks to Dr. David Doughty, provost; Dr. David Heddle, vice provost for research and graduate studies; the Office of Catering; the Office of Scheduling, Events and Conferences; and the Library Media Center

Special thanks to Michaele Baux, Mary Sellen, Courtney Michel, Rachel Locke and the OURCA ambassadors

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5-5:50 p.m.	

KEYNOTE ADDRESS	34
Linda Villarosa	
6:30 p.m.	





SCHEDULE

REGISTRATION: 11:30 A.M.-3 P.M.

Tribble Library Rotunda

All attendees: Please present your CNU ID for registration
Presenters will receive their conference badge and lanyard

**ART SENIOR THESIS EXHIBITION, Prof. Christi Harris
April 1-May 15**

Work on display in the Torggler: the Grace Gallery, Academic Gallery
and North and East Hall Galleries (second floor)

Opening reception: April 8 at 5:30 p.m.

Lindsay Bragaw, painting
Megan Davenport, printmaking
Haley Ferguson, painting
Jake Frances-Fischer, photography

Sabrina Gillis, painting
Emily Ransone, photography
Sandra Wentzel, ceramics
Brianna Widegren, graphic design

**CONTINUING EXHIBITION: CHRONICLING THE CAPTAINS:
60 YEARS OF HISTORY AT CHRISTOPHER NEWPORT**

Tribble Library First Floor Hallway

Look back at six decades of the institution's history from its founding in 1960 to the present day. Co-curated by Emily Ransone and Dr. Michelle Erhardt, with consultation by Dr. Sean Heuvel, director of institutional history; Baxter Vendrick, senior director of alumni engagement; and Matt Shelley, archivist.

Sponsored by OURCA and the Summer Scholars program, the museum studies program, and the Office of University Events. The exhibition was installed by: Emily Ransone, Kayelon Dean, Jamie Eagle, Sara Miller, William Burrell and Nikole Schlevensky.

**EXHIBITION OPENING: "TIMELESS: THE COMFORTS OF HOME"
Advanced Museum Studies, Dr. David Salomon**

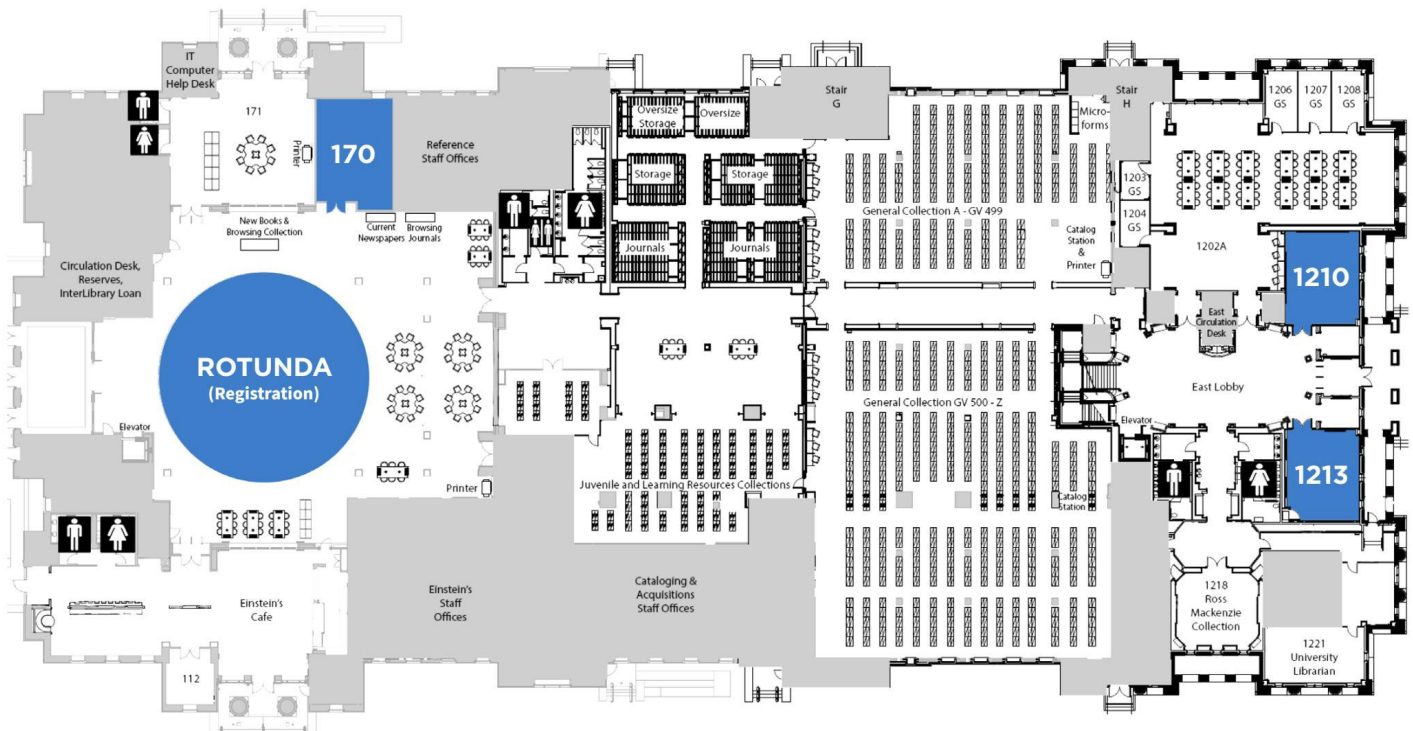
Tribble Library second floor, outside Media Library

Kayelon Dean (project manager), Lara Mitchell (project manager), Landen Ayotte, Dalton Bradrick, Colin Brinkley, Macie Browning, Megan Haas, Celeste Holliday, Anna Matias, Colleen Menoher, Sara Miller, Eva Nelson, Mariah Payne, Cassie Sumpolec, Anna Lynn Thornsberry, Parker Watson



PAUL AND ROSEMARY TRIBLE LIBRARY

Sessions in the Torggler Fine Arts Center are across the street from the Tribble Library.



FIRST FLOOR

ROTUNDA

Registration
Session 2: K
Session 3: J

LIBRARY 170

Session 1: D
Session 2: D
Session 3: I
Session 4: C

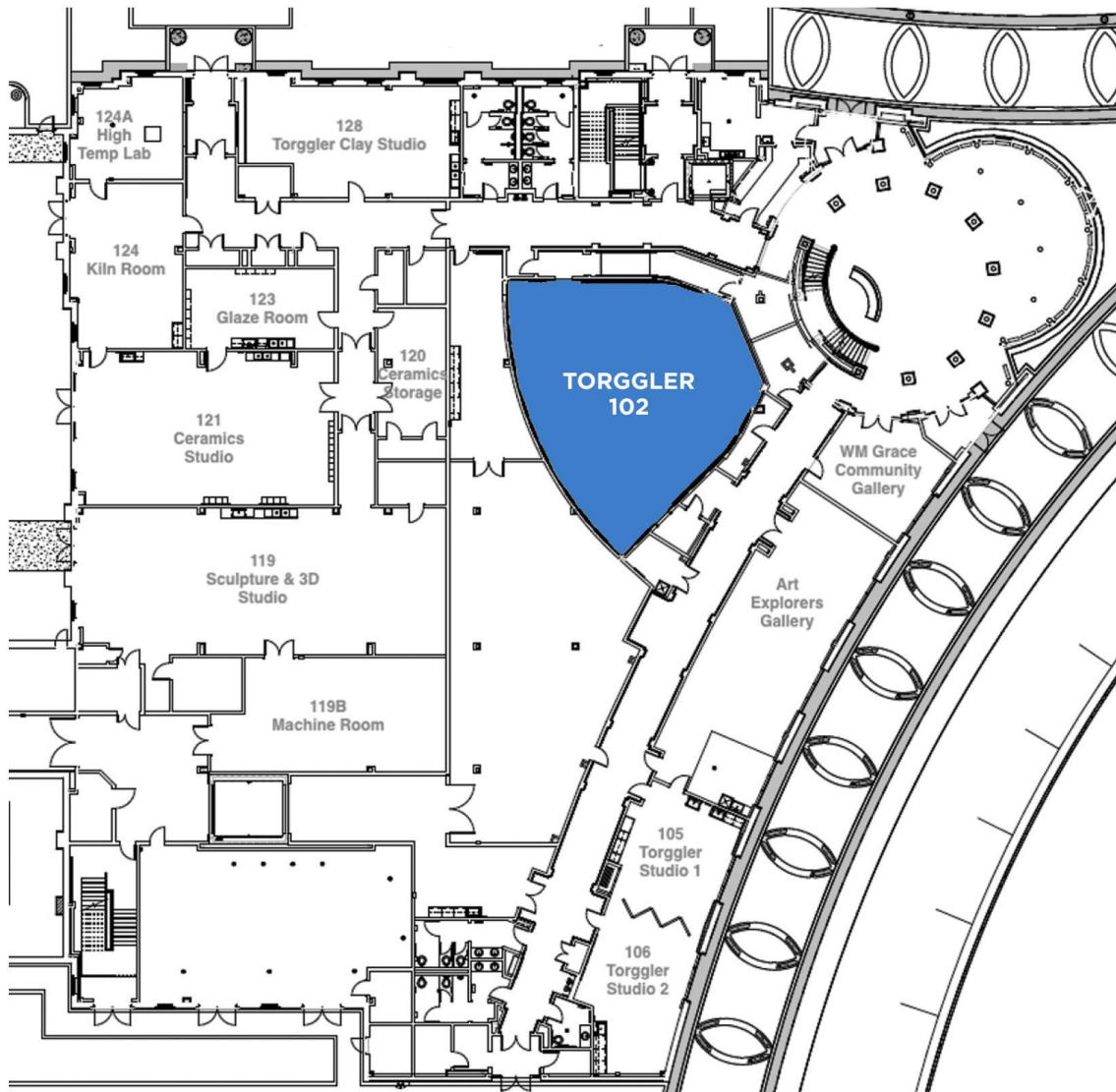
LIBRARY 1210

Session 1: B
Session 2: C
Session 3: B
Session 4: D

LIBRARY 1213

Session 1: G
Session 2: B
Session 3: G
Session: 4: E

MARY M. TORGGLER FINE ARTS CENTER



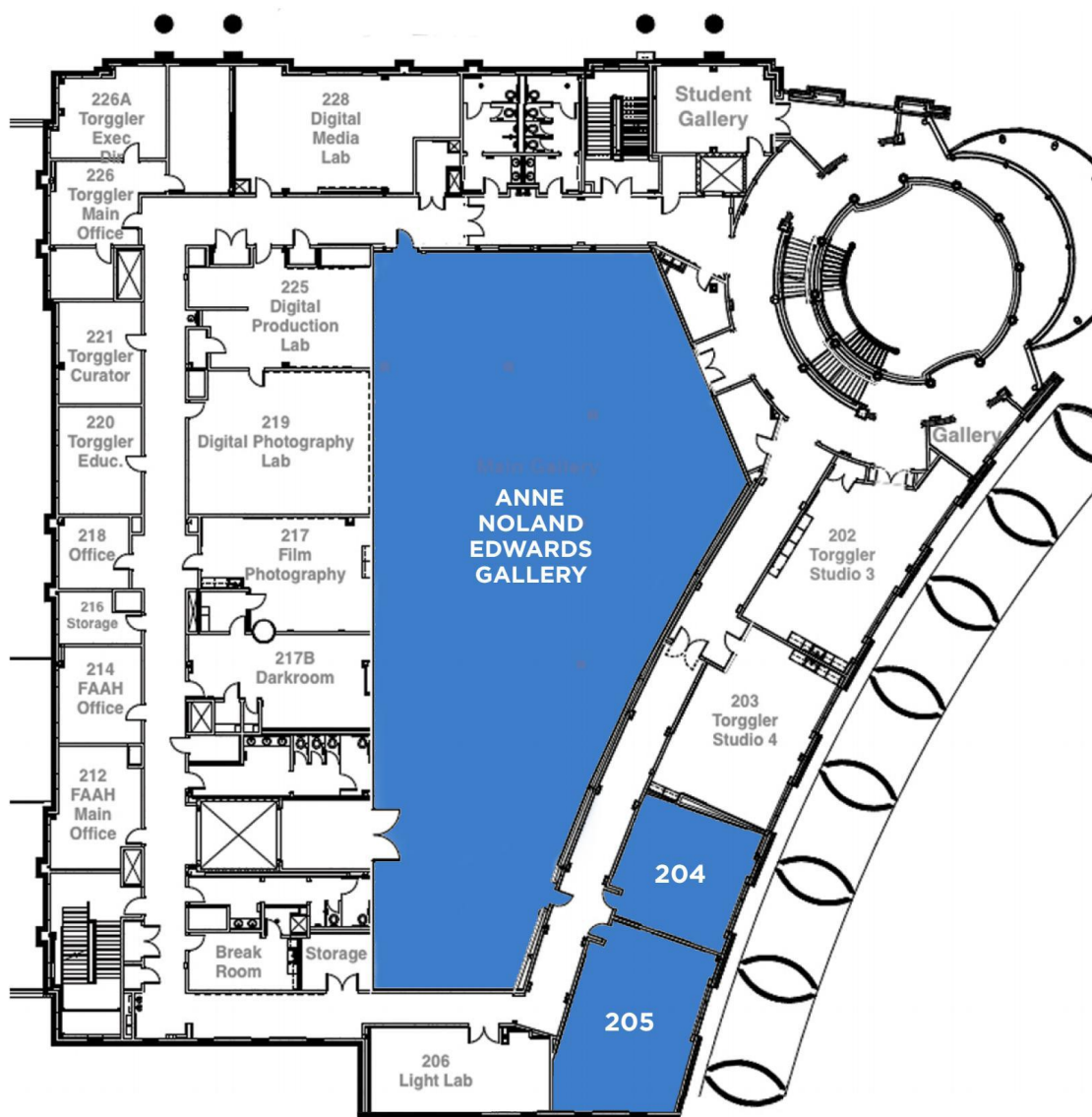
FIRST FLOOR

TORGGLER 102

Session 1: E

Session 2: G

Session 3: H



SECOND FLOOR

TORGGLER 204

Session 1: C
Session 2: E
Session 4: F

TORGGLER 205

Session 2: I
Session 3: F
Session 4: I

ANNE NOLAND EDWARDS GALLERY

Session 1: H

SESSION 1 NOON-12:50 P.M.

A

CHEMISTRY

Dr. Joshua Patterson

Library 208

Samuel Chu: "Comparison of Sulfur Dioxide Analysis Methods"

Madison Lester: "Interfacial Affinity of Hydrogen Sulfate in Model Aerosols: Effects of Competing Cation"

Conor McCormick: "Synthesis of Torreyunlignans A and C via Coupling of Key Substrates"

B

AMERICAN STUDIES: ALEXANDER HAMILTON

Dr. Frank Garmon

Library 1210

Avery Inge: "Unsatisfied: An Exploration of Alexander Hamilton's Legacy"

Chloe Baker: "'A Political Abyss': Hamilton and Politics in the Founding Era"

Kimberly Beasley: "A Historical Analysis of Hamilton: An American Musical Through a 21st Century Lens"

C

THEATER

Torggler 204

Bronwyn Beardsley and Kayse Umbaugh: "Mileva Marić: The Unsung Hero Hiding In Einstein's Shadow" (Dr. Grace Godwin)

Colleen Pechin: "'Why, this is strange': Rethinking Genre in Shakespeare's The Comedy of Errors" (Dr. Grace Godwin)

Adalynnn Eller: "Mileva's Monologue: A Brief Performance of One Stone" (Prof. Denise Gillman)

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

D

ENGLISH: "STUDIES IN EARLY AMERICAN LITERATURE"

Dr. Andrew Rose

Library 170

Lauren Chadwick: "An Examination into American Gothic and Transcendentalism: Walking Through the Forest of Human Corruption"

Carlton Ford: "Jonathan Edwards' Perfectly Angry God: A Ruthless yet Wholly Just Deity"

Ashlynn Falls: "Judith Sargent Murray's Fight for Women's Education: Irony, Rationality, and Soft Power as Tools for Reform"

E

HISTORY

Dr. Brian Puaca

Torggler 102

Michael Kilcoyne: "The People Limiting the State: An East German Perspective"

Rachel Locke: "Whiplash: The Enduring Impact of Nazi Sexual Policy on Early West German Identity"

Ella Stolz: "'To What Extent Has the CDU Failed as a Defense Mechanism Against the Far Right?'"

F

SOCIOLOGY, SOCIAL WORK AND ANTHROPOLOGY

Library 230

Megan McCoy: "Disability Accessibility at Christopher Newport University" (Dr. Andria Timmer)

Remy Fontaine: "Anthropologically Assessing Public Health Through Traumatology Framework" (Dr. Andria Timmer)

Anna Hall: "Social Psychology: An Unfortunate Void in Social Work Education and Practice" (Dr. Stephanie Valutis)

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

G

ENGLISH: YOUNG ADULT LITERATURE

Dr. Kara Keeling

Library 1213

Anthony Marovelli: “Physicality in Adolescent Literature”

Sophia Ellia: “Obtaining Power Through The Use of Text in Harry Potter”

H

DANCE LIVE PERFORMANCE

Prof. Ann Mazzocca Bellecci

Torggler:

Anne Noland Edwards Gallery

Eliza Carlson: “Embodied Engagement with Lightweeds”

Caroline Lewis, Abbie Rodgers, Claire Harvey: “Drifting”

I

THE CREATIVE ARTS

Library Theatre

Colin Goodpasture: “Accidental Artistry: Unlocking Artistic Potential through Play and Failure” (Dr. David Salomon)

Zenith Nguon: “Life & Other Endings” (Dr. Joanna Eleftheriou)

Patricia Smith: “Hans' Haunted Night” (Multimedia Work for Chamber Ensemble and Slide Presentation) (Dr. Maxwell Tfirm)

Kasey Watkins: “Movement and Embodied Cognition in Piano Performance” (Dr. Kimberly Ankney)

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

A

SOCIOLOGY: INEQUITIES IN THE CRIMINAL JUSTICE SYSTEM

Library 208

Dr. Steven Keener

Emily Peterson: “A Critical Analysis of the State of Parole in Virginia”

Jenna Woodburn: “Law Enforcement Interactions with Mentally Ill Individuals – Crisis Intervention Training”

Tucker Keener: “A Geo-Spatial Look at Incarceration: An Analysis of the Geography of Virginia’s Carceral System and How It Impacts Families and Communities”

B

PSYCHOLOGY AND PUBLIC HEALTH

Library 1213

Kyle Schofield: “Exercise and College Student Mental Health”
(Dr. Michelle Lange)

Remy Fontaine: “The Magic of Encanto: Interpreting the Interpersonal, Intergenerational, and Historical Trauma of the Movie” (Dr. Michelle Lange)

Emily McGinness: “Rural Healthcare Disparities in the Northern Neck of Virginia” (Dr. Willy Donaldson)

C

PHYSICS AND MATHEMATICS

Library 1210

Jonathan Kaufman: “The Effect of Homomorphic Encryption on Users' Perceptions of Security in Election Systems” (Dr. Michael Lapke)

Noah Haney: “Further Modeling of PhytoPET Experiments using GATE”
(Dr. Peter Monaghan)

Erin Kline: “Generalized Cantor Sets and Their Hausdorff Dimensions”
(Dr. Matthew Morena)

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

D

ENGLISH: LAW AND LITERATURE

Dr. Jessica Apolloni

Library 170

Lauren Chadwick: “The Absurd Found in Law and Literature: A Picture of Nabokov, Kafka, and Atwood combined with Camus and Scholarship to Find Applications”

Monica Smallwood: “‘The Black Cat’: The Crimes and Injustices of A Nation’s Plastered White Homes and Minds”

Madison Treiber: “Power, Intersectionality, and Marginalization: An Analysis of Trial Scenes in Canonical Literature”

E

COMMUNICATION

Dr. Michaela Meyer

Torggler 204

Brooke Beach: “Bridgerton: An Analysis of Family”

Nathaniel Dillow and Emily Straczek: “MrBeast: A Paradoxical Success Story”

Christian Harter: “Shangi-Chi and Diversity; A Parasocial Study of Marvel and its Fans”

F

CHEMISTRY

Dr. Joshua Patterson

Library 2311

Ashlyn Edwards: “Water Composition and its Effects on the Cure Rate of the Intumescent Coatings”

Griffin Klauder: “The Total Synthesis and Optimization of the Taniguchi Lactone and Alkyne Derivative”

Theodore Stathopoulos: “Cedrol Composition in Eastern Red Cedar and Atlantic White Cedar”

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

G

COMMUNICATION

Torggler 102

Tatyana Yates: “Cancel Culture and How Men Repair”
(Dr. James Smith)

Lauren Sanger and Teagan Mauck: “Twin Pandemics: Social Media’s
Role in Spreading Public Health Misinformation” (Dr. Danielle Stern)

Erin McCarthy: “Gossip as Feminine Communication in Bridgerton”
(Dr. Michaela Meyer)

H

HONORS: A SAMPLE

Library 230

Brooke Nixon, Hannah Feeken, Claire Garcia Quintana:
“Burnout to Biowarfare: Problems in the Modern World and
Solution Recommendations” (Dr. William Connell)

Rachel Thornton: “Found Family Versus Blood Family in Station-19
Season 4” (Dr. Michaela Meyer)

I

HONORS: A SAMPLE

Torggler 205

Kailynne Landry: “Progressing Towards Disaster: The Impact of
Mythology on Climate Change (Dr. John Thompson)

Alexandra Fiul: “Into the Panopticon: An Affair of the Author
and Reader in Italo Calvino's *If on a winter's night a traveler*”
(Dr. David Salomon)

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

J

DANCE AND MUSIC PERFORMANCE ON VIDEO

Library Theatre

Tiavonte McLaughlin: “The 8am” (Prof. Ann Mazzocca Bellicci)

Phoebe Salomon: “Always Brings Me Back To You” featuring Molly Burke, Emily Phelps, Mackenzie Linton, Caila Light, and Abbie Rodgers; filmed by Abigail Puckett (Prof. Ann Mazzocca Bellicci)

Samuel Brady, Hayden Cameron, Levi Langolf: “As Fair as Morn (1609) by John Wilbye” (Dr. Kelly Rossum)

K

MUSIC LIVE PERFORMANCE

Library Rotunda

Isabel Stout: “Shostakovich Piano Quintet in G minor, Op. 57” (Dr. Jacob Tews)

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

A

HONORS

Dr. John Thompson

Library 208

Colin Bunn: "Sisyphus Smiles: Why We Should Embrace Challenge"

Katherine Watson: "Defining Myth Through Poetry:
A Critical Response to 'Weight' by Jeanette Winterson"

Lillian Haney: "Can You Hear Me?: Myth and American Identity in
Outlaw Pete"

B

PSYCHOLOGY

Library 1210

Emily Peterson, Krystal Langhorne, Aimee Buchanan, Sheena Kron:
"Fading Affect Bias Across Problem Solving and Non-Problem
Solving Events" (Dr. Jeffrey Gibbons)

Abigail Muller: "The Impact of Friendships on Sexual
Assault Survivors" (Dr. Michelle Lange)

C

ENGLISH: SHAKESPEARE AND GENDER STUDIES

Dr. Jessica Apolloni

Library Theatre

Emma Flye: "Gender Fluidity and Sexuality in Shakespeare's
Twelfth Night"

Dominik Firlej: "What Makes a Murderer a King? The State of His Balls"

Lindsey Gries: "The Absent, the Wicked, and the Inhumane:
How Shakespeare's Villainous Women Transgress Gender Norms"

Monica Smallwood: "The True Power of Women and Witches:
How Lady Macbeth and the Witches Undermine Early Modern
Society for Their Own Transcending Freedom and Teach the
Lesson of Gender Ambiguity"

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

D

CENTER FOR SUSTAINABILITY

Dr. Linda Manning

Library 2311

Audrey White, Emily Judson, Allison Burbach: “Composting in Virginia Higher Education: A Potential Implementation Strategy at Christopher Newport University”

Dahria Kalmbach: “Pollinator Garden Portion of Sustainability Panel”

Caroline Chambers: “Legislative Behavioral Effects on Waste Disposal Practices”

E

SOCIOLOGY

Dr. Danielle Docka-Fillipek

Library 230

Remy Fontaine: “White Settler Colonialism and the Erasure of Historical and Contemporary Trauma in Historic Jamestown”

Katherine Bowman: “Indigenous Erasure in the Contemporary

F

ENGLISH, AND MODERN AND CLASSICAL LANGUAGES AND LITERATURES

Torggler 205

Nicole Miranda Montoya: “The Beginning of Latin American Independence” (Dr. Sharon Finley)

Alexis Eddinger: “Pentheus vs. Dionysus: A Battle of Gender Expressions” (Dr. Bradley Buszard)

William Cashwell: “Contesting the ‘Angel in the House’ Charge Against Chekhov’s Defenseless Woman: A Progressive Subversion of Sexist Tropes in ‘Anyuta’” (Dr. Margarita Marinova)

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

G

LEADERSHIP AND AMERICAN STUDIES

Library 1213

Keelyn Graves: “James Baldwin: Social Critique Through Identity”
(Dr. Frank Garmon)

Nyla Lewis: “Marlene Stollings: A Trifecta of Toxic, Ineffective, and Un-Self Aware Leadership” (Dr. Benjamin Redekop)

Rebecca Norton: “The Ethicality Of Mark Zuckerberg’s Leadership: How Lack of Self Awareness and Narcissism Contribute to Inauthentic Leadership” (Dr. Benjamin Redekop)

H

ART HISTORY SENIOR THESIS

Dr. Rebecca Wolff

Torggler 102

Kayelon Dean: “Female Fighters: An Evolutionary Analysis of the Depiction of Female Gladiators”

Jamie Eagle: “Touch, Don't Look: Examining Tactile Viewer Engagement with AIDS Art Installations”

Kathryn Fannin: “Queering Religious Icons: An Analysis of Joan of Arc and Felicity in Perpetua Through the Lens of Queer Theory”

Miranda Scheeler: “The Pieta’s Evolution Through Art”

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

I

ENGLISH: HARRY POTTER

Dr. Kara Keeling

Library 170

Mary Robinson: “The Implications of House-Elves”

Kyra Hemrich: “Giggling Girls and the Pink Demon:
Femininity Degraded in Harry Potter”

Jessica Irving: “Masculine Expression in the Harry Potter Series”

J

DANCE LIVE PERFORMANCE

Prof. Ann Mazzocca Bellicci

Library Rotunda

Tamiyah McClary, Para Nettles, Rachel Weeks:
“The Study of Disrupting the Undisrupted”



SESSION 4: 3-3:50 P.M.

A

CHEMISTRY

Dr. Joshua Patterson

Library 208

Val Borrell: "Exceptions to Zaitsev's rule: Dehydration of 2-Methylcyclohexanol"

Kade Adamy: "Hybrid Inorganic-organic materials for absorption"

Celina Paoletta: "Quantification of Hop Acid Profiles as a Function of Growth Region"

B

ENGLISH

Library Theatre

Rebecca Norton: "The Yellow Wall-Paper: A Digital Critical Edition" (Dr. Deanna Stover)

Monica Smallwood: "Under Britain's War-Torn Sky: Its Inescapability As A Privilege and A Curse in Henry Green's Party Going" (Dr. Anna Teekell)

Abigail Puckett: "The House of Revolutions: Exploring The Role of Women's Self-Determination and Revolutions in Elizabeth Bowen's 'The House in Paris'" (Dr. Anna Teekell)

Jessica Irving: "The Objectification of Women in Chekhov's Love Stories" (Dr. Margarita Marinova)

C

HISTORY

Dr. Andrew Falk

Library 170

Nicholas Prokos: "A Cold War Catastrophe: The Failure of American Intervention in Laos"

Dominik Firlej: "The Proxy War: The Soviet Union's Effect on Vietnamese Independence"

Adam Creason: "The Washington Command Post of Intelligence: The Bureaucratic Rivalries That Influenced the National Security Act of 1947"

SESSION 4: 3-3:50 P.M.

D

ENGLISH: YOUNG ADULT LITERATURE

Dr. Kara Keeling

Library 1210

Matthew Johnson: "The False Versus the True: Adolescent Minorities and the Fractured Self in Young Adult Literature"
"The Study of Disrupting the Undisrupted"

Rachel Pitts: "Peer Relationships, Popularity and Social Rejection Within Stargirl"

Molly Nolan: "The Hate U Give: Racial Prejudice in the Form of Microaggressions"

E

SUMMER SCHOLARS: A SAMPLE

Library 1213

Mikaela Martinez-Dettinger: "Retracing the Steps of Resistance: Non-Invasive Archaeology and Jewish Resistance during the Holocaust" (Dr. Richard Freund)

Rachel Locke: "Corporeality: The Synthesis of Augustinian and Jungian Theories on the Role of the Body in the Search for Self" (Dr. David Salomon)

F

SESSION SPONSORED BY THE PHI BETA KAPPA FACULTY COMMITTEE

Torggler 204

Steven Baxley: "Stochastic Dividend Model with Bankruptcy Risk" (Dr. Yixiao Jiang)

Brooke Nixon: "Digital Mimicry: The Chameleon Effect Applied to Text Messaging" (Dr. Nicole Guajardo)

Grant Wiley: "Plato's Letters and Dion's Syracuse: The Theory and Practice of Public Leadership" (Dr. Brent Cushner)

Erin Sample: "The Tools that Enable Fascism: How Hitler and Mussolini Seized Power" (Dr. Sara Black)

SESSION 4: 3-3:50 P.M.

G

DEALING WITH COVID-19

Library 2311

Makenzie Wolf: “The Coronavirus, Tourism, and Messaging:
A Case Study of York County Virginia (Dr. Danielle Stern)

Rachel Thornton: “Navigating College as a First-Generation Student
Amidst a Pandemic (Dr. Linda Waldron)

Madelyn Sager: “COVID-19 Pandemic & Expectations of the
College Experience” (Dr. Linda Manning)

H

POLITICAL SCIENCE AND CIVIC ENGAGEMENT

Library 230

Alexandra Fiul: “Breaking the Glass Ceiling: The Uneven
Diffusion of Women’s Rights Post-CEDAW Ratification in Japan”
(Dr. Francesca Parente)

Caitlyn Joseph: “Setting the Foundation of Success:
A Comprehensive Life-Skills Curriculum Model for Youth Aging
out of the Foster Care System” (Dr. Brooke Covington)

I

CHEMISTRY

Dr. Joshua Patterson

Torggler 205

Heidi Turnitsa: “Analysis of Freshwater Lake Water Quality Using
Excitation Emission Matrix Spectroscopy”

Shannon Orsak: “Pyridine Asphaltene Proxy with Glycerol/CTAB and
Glycerol/AOT Inhibitors”

SESSION 5: 4-4:50 P.M.: POSTER SESSION A

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

1	Alyssa Wilkinson and Jenna Miladin: “Climate influences on vegetative morphology in North American Silene” (Dr. Janet Steven)
2	Nathan Ormsby: “Identifying Gravitational Waves using Machine Learning” (Dr. Ryan Fisher)
3	Jack Lynam: “Combining Domain Knowledge with Machine Learning for Clinical Named Entity Recognition” (Dr. Samuel Henry)
4	Tasneem Wasfy: “Adsorption Study of some Biochar Materials” (Dr. Tarek Abdel-Fattah)
5	Margret Markley and Claire Chang: “IQ and Divergent Thinking” (Dr. Gayle Dow)
6	Reuben Laryea, Rachel I. Ruhl, Blake A. Evans, Garrett T. Hines: “Modeling of Heterocycles in Tubulin: Towards Anticancer Drug Development” (Dr. Kathryn Cole)
7	Amelia Larock and Sarah Dowell: “A Year of Teaching During COVID-19: Elementary Teachers' perspectives on Burnout and Administrative Support” (Dr. Timothy Pressley)
8	Molly Nolan, Gabriela Rocha, Rachel Pitts, John Tucker: “Online Investigation of the Fading Affect Bias Across Alcohol and Non-Alcohol Events” (Dr. Jeffrey Gibbons)
9	Liam Porter: “Ectopic expression of green- and blue-fluorescent proteins in Escherichia coli and their isolation through different chromatographies” (Dr. Denise Tombolato-Terzic)
10	Kaylee Harris, Rachel Pitts, Emily Pappalardo, Lauren Chadwick, Francesca Pandolfe: “Coronavirus Anxiety Scale Ratings through the COVID-19 Pandemic” (Dr. Jeffrey Gibbons)
11	Hannah Crawley and Nicole Galang: “Evaluation of Faculty's CVs for Tenure and Promotion” (Dr. Leslie Rollins)
12	Maya Arrington: “The Effects of YouTube Marketing on Exercise Accessibility for Lower-Income People: A Disparate Health Issue” (Dr. Thomas Berry)

SESSION 5: 4-4:50 P.M.: POSTER SESSION A

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

13	Emma Friedmann, John Tucker, Emily Peterson, Spencer Close: “Do source, priming, and time affect the believability and recognition of unbelievable and believable headlines?” (Dr. Jeffrey Gibbons)
14	Emma Friedmann: “Predictors of the fading affect bias in relation to the 2020 presidential election” (Dr. Jeffrey Gibbons)
15	Kayla Pauley, Sierra Boyce, Cody Sessions: “Impacts of Gut Changes on the Brain and the Reversal of the Aging Process” (Dr. Anna Salazar)
16	Madeleine Lorenger and Clara Salazar: “Plasmid Transformation into <i>Ideonella sakaiensis</i> ” (Dr. Todd Gruber)
17	Charlie Bloedorn: “Becoming: A Geneology On Gender” (Dr. Dawn Hutchinson)
18	John Herrmann and Nathan Kolling: “Bioeconomic Analysis of a Predator-Prey system with Harvesting: A Case Study in the Chesapeake Bay Fisheries” (Dr. Iordanka Panayotova)
19	Conor O'Dea: “American politics and the influence of family” (Dr. Taiyi Sun)
20	Emma Kohl and Kyleigh Loy: “Hormone and Behavior Lab Discrimination Learning” (Dr. Olga Lipatova)
21	Francesca Pandolfe and Gabriela Rocha: “Influence of Marijuana Consumption on the Fading Affect Bias Across Marijuana and Non-Marijuana Events” (Dr. Jeffrey Gibbons)
22	Allison Burbach and Krista Reed: “ <i>Spartina alterniflora</i> and <i>Spartina patens</i> establishment at a restored salt marsh in Gloucester, VA” (Dr. Rob Atkinson)
23	Carleigh Rollins: “Age Group Comparisons of Adult Attachment Styles” (Dr. Earl Riggins)
24	Carleigh Rollins: “The Politics of Cancel Culture” (Dr. Earl Riggins)

SESSION 5: 4-4:50 P.M.: POSTER SESSION A

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

25	Katherine Paulikonis: “Attachment Relationships and Emotional Well-Being in Adolescents” (Dr. Susan Antaramian)
26	Colleen Neff, Sofia Duque, Yennhi Hoang, Sarah Jones: “Investigating Behavioral Impairments After Exposure to Galactic Cosmic Radiation in Male Wistar Rats” (Dr. Jessica Burket)
27	Linda Carpenter: “A Critical Introduction with ties to Magical Realism: Queerness, Infinity, Atomic Theory, Existence and the Fae in The Third Policeman” (Dr. Anna Teekell)
28	Ameel Sabir, Nick Russo, Matthew Freeman: “Study of Zeolitic Materials in Nickel Solution” (Dr. Tarek Abdel-Fattah)
29	Matthew Traversa, Lauren Chadwick, Alexandra Danilowicz, Spencer Close, Krystal Langhorne: “The Peculiar Relationship Between Word Recall and the Fading Affect Bias in the Context of the DRM Procedure” (Dr. Jeffrey Gibbons)
30	Rachel Rangel: “The College Admissions Scandal: Lori Loughlin” (Prof. Lori Throupe)
31	Lorien Kelso, AJ Zwak, Sienna Zimmermann, Mason Robey: “Inclusion at CNU: An Ethnography” (Dr. Andria Timmer)
32	Rebecca Litt and Nicholas Ascolese: “Study on Salinity Stress Affecting Chamaecyparis thyoides Seedlings’ Fitness, Growth, Physiological Response, and Photosynthetic Rate” (Dr. Janet Steven)
33	Hayden Olsen: “Quantitative Research & Algorithmic Trading” (Dr. Phillip Bazzani)
34	Nathan Clements: “Glass Protection of Photovoltaic Solar Modules Affects on Efficiency” (Dr. Peter Monaghan)
35	Brandon Sanger: “The Hero Myth in The Mandalorian” (Dr. James Smith)
36	Callie Hancock and Selena Dajani: “Analysis of the Craney Island Eastern Expansion Oyster Mitigation Reef Study, 2015-2020” (Dr. Russell Burke)

SESSION 5: 4-4:50 P.M.: POSTER SESSION A

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

37	Caroline Blair and Shane Potters: “Optimizing a Quantitative Fluorescent Western Blotting Protocol from Rat Brain Tissue” (Dr. Jessica Burket)
38	Aidan Rucker, Colleen Neff, Sofia Duque: “Transcriptomic profiling and bioinformatic analysis reveals upregulation of PNN-associated genes following glycine type 1 transport (GlyT1) inhibition in BALB/c mice” (Dr. Jessica Burket)
39	Robert Bennett: “Campus Lighting & Crime” (Dr. Federica Bono)
40	Nicholas Russo, Matthew Freeman, Ameer Sabir: “Absorption of Nickel by Low Cost Graphitic Materials” (Dr. Tarek Abdel-Fattah)
41	Karen Salazar, Rachel Many, Evelyn Vioral, Ananya Kanak, Cara Landes: “Do Face Masks and Sunglasses Impair Facial Expression Recognition in Child and Adult Faces?” (Dr. Laurie Hunter)
42	Meghan E. Walters: “Social Healing Mediating the Effects of Trauma and Facilitating Posttraumatic Growth” (Dr. Thomas Berry)
43	Cynthia Huynh: “Blue Light Emission on Health and Behavior” (Dr. Thomas Berry)
44	Aimee Buchanan and Gabriela Rocha: “The Relationship Between the Fading Affect Bias and the 2020 Election across Election and Non-Election Events Online” (Dr. Jeffrey Gibbons)
45	Kelsey Garner, Gabby Rocha, Emily Pappalardo, Emily Peterson, Matthew Traversa, Francesca Pandolfe: “Is the FAB Differentially Predicted by Internet Addiction across Video Game and Non-Video Game Events?” (Dr. Jeffrey Gibbons)
46	Matthew Freeman, Nicholas Russo, Ameer Sabir: “Absorption of Nickel Via a Mixture of Graphitic Materials and Zeolite” (Dr. Tarek Abdel-Fattah)

SESSION 6: 5-5:50 P.M.: POSTER SESSION B

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

1	Carleigh Rollins: “Geographic Differences in Ageist Views and Behaviors” (Dr. Earl Riggins)
2	Jack Lynam: “Combining Domain Knowledge with Machine Learning for Clinical Named Entity Recognition” (Dr. Samuel Henry)
3	Ryan Croushore: “Aggression and Coping in College Students” (Dr. Susan Antaramian)
4	Natalie Cuba: “Determining the Association Between Cognitive and Behavioral Sadism” (Dr. Gayle Dow)
5	Sarah Jones: “Analysis of Rodent Social Interaction and Behavior Using an Open-Source Pose Estimation Software” (Dr. Jessica Burket)
6	Graham Newman: “Novel Synthesis of a Key Structure of Natural Product Pseudorubriflordinolactone B” (Dr. Jeffrey Carney)
7	Erin Bailey: “Painting the Future: The Torggler Fine Arts Center as a Catalyst for Creative Placemaking” (Dr. Brooke Covington)
8	Duncan Owen: “Issues in Affluence & Opportunity in Hampton Roads” (Dr. Brooke Covington)
9	Liam Porter: “Ectopic expression of green- and blue-fluorescent proteins in Escherichia coli and their isolation through different chromatographies” (Dr. Denise Tombolato-Terzic)
10	Hannah Crawley: “The Interrelation between Dark Tetrad and Empathy” (Dr. Gayle Dow)
11	Emily Boehm: “Food Pharmacy at H.E.L.P Hampton” (Dr. Brooke Covington)
12	Kade Adamy: “ Synthesis of Magnetic Zeolite Y Modified with CTAB for Adsorbing Methylene Blue” (Dr. Tarek Abdel-Fattah)
13	Matthew Martwinski: “Examination of Historic Hydrologic Regime Changes through the Dendrochronological Analysis of Bald Cypress Shingles and Investigation of Bald Cypress’s Historical Significance” (Dr. Rob Atkinson)

SESSION 6: 5-5:50 P.M.: POSTER SESSION B

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14	Marguerite Haas: “Logistical Comparisons Between the Invasions of Greece by Darius and Xerxes” (Dr. John Hyland)
15	Tongase Booth: “Alcohol Consumption and Aging” (Dr. Anna Salazar)
16	Lauren Heine: “Gender Differences in Prison Visitation and the Effect on Parent-Child Bond” (Dr. Steven Keener)
17	Christine Rubeiz: “Perception vs. Reality: A Critical Look at the Virginia Parole System” (Dr. Steven Keener)
18	Jared Burnett: “Method Translation of Direct Injection Technique to Liquid-Liquid Extraction Technique for the Quantification of Ethanol in Beer” (Dr. Ronald Quinlan)
19	Cynthia Huynh: “Perceived Discrimination & Psychological Well-Being: Asian-Americans During the COVID-19 Pandemic” (Dr. Thomas Berry)
20	Ann Silva: “The effect of varying modes of climate change awareness on respondent’s valuation of climate policy in potential presidential candidates” (Dr. Taiya Sun)
21	Molly Goldberg: “Science Denial and Media Exposure” (Dr. Taiyi Sun)
22	Conor O’Dea: “American politics and the influence of family” (Dr. Taiyi Sun)
23	Erin McCarthy: “Openness to Experience, Empathy, and Malevolent Creativity” (Dr. Gayle Dow)
24	Christiana Cole: “Mental Health, Satisfaction vs. Religious Affiliation” (Dr. Taiyi Sun)
25	Elaina Pfannkuch: “The Dark Tetrad and Death Anxiety” (Dr. Gayle Dow)
26	Patrick Wright: “Concentration and rate of heavy metal accumulation in Horsetweed (<i>Conyza canadensis</i>): implications for phytoremediation” (Dr. Janet Steven)

SESSION 6: 5-5:50 P.M.: POSTER SESSION B

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

27	Dahria Kalmbach: “Ghost Forests of Atlantic White Cedar: Is The North Atlantic Oscillation Responsible?” (Dr. Rob Atkinson)
28	Daniel Wright, Yasmeen Cox, Markevious Tolbert: “A Mathematical Model and Analysis of Wireless Power Transfer” (Dr. Iordanka Panayotova)
29	Abigail Wax: “The Effect of Electoral Systems on Percentage of 3rd Party Seats” (Dr. Taiyi Sun)
30	Kaemon Watada: “Studying the impact of heuristic data cuts on compact binary coalescence gravitational wave detection range in coherent searches” (Dr. Ryan Fisher)
31	Qui Quach: “Synthesis of Orange Biochar- Zeolite Y functionalized with EDTA for Adsorbing Heavy Metals” (Dr. Tarek Abdel-Fattah)
32	Joshua Kolba: “Optimization of BA0150 expression in BL21(DE3)pLysS cells” (Dr. Denise Tombolato-Terzic)
33	Michael Lowry: “Performing LASSO Regression on Rates of Glitches in the Advanced LIGO Detectors” (Dr. Marissa Walker)
34	Taylor Nordike: “The Water of the Womb” (Dr. Joanna Eleftheriou)
35	Ngan Quach: “Orange Biochar functionalized with Magnetic Nanoparticles and Yeast for Heavy Metals and Organic Matter Removal” (Dr. Tarek Abdel-Fattah)
36	Sarah Anstice: “Subcloning GFP from pGLO into pFluorobblue for gene-expression studies” (Dr. Denise Tombolato-Terzic)
37	John Madaj: “Named-Entity Recognition of Tweets with Pharmaceutical Context” (Dr. Samuel Henry)
38	Jacob Buchanan: “Testing Data Cuts for Updated Gravitational Wave Triggered Searches” (Dr. Ryan Fisher)
39	Paolina Doleva: “Analysis of the Average Glitch Rate Around a Gravitational Wave Event Candidate” (Dr. Marissa Walker)

SESSION 6: 5-5:50 P.M.: POSTER SESSION B

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40	Mara Engels: “The Effects of Astrological Compatibility on Relationship Satisfaction” (Dr. Gayle Dow)
41	Amanda Yermal: “Source Identity and the Acceptance of Information” (Dr. Taiyi Sun)
42	Grace Johns: “Design and Analysis of a Convolutional Neural Network for Optimizing Particle Detectors at Jefferson Lab” (Dr. Edward Brash)
43	Emily Adams, Ajeya Dixon, Logan Lawson: “Mathematical Modeling of Oncolytic Virotherapy as a Cancer Treatment” (Dr. Iordanka Panayotva, Dr. M. Brucal-Hallare)
44	Tucker Keener, leasa Custer, Alexa Powell: “Sustainability on the Christopher Newport University Campus” (Dr. Andria Timmer)



KEYNOTE ADDRESS

featuring

LINDA VILLAROSA

“Under the Skin: The Cost of
Racism and Inequality on the
Health of Our Nation”

APRIL 8, 2022

6:30 P.M.

Ferguson Center for the Arts
Peebles Theatre

Reception and book signing
to follow address

FREE AND OPEN TO THE PUBLIC

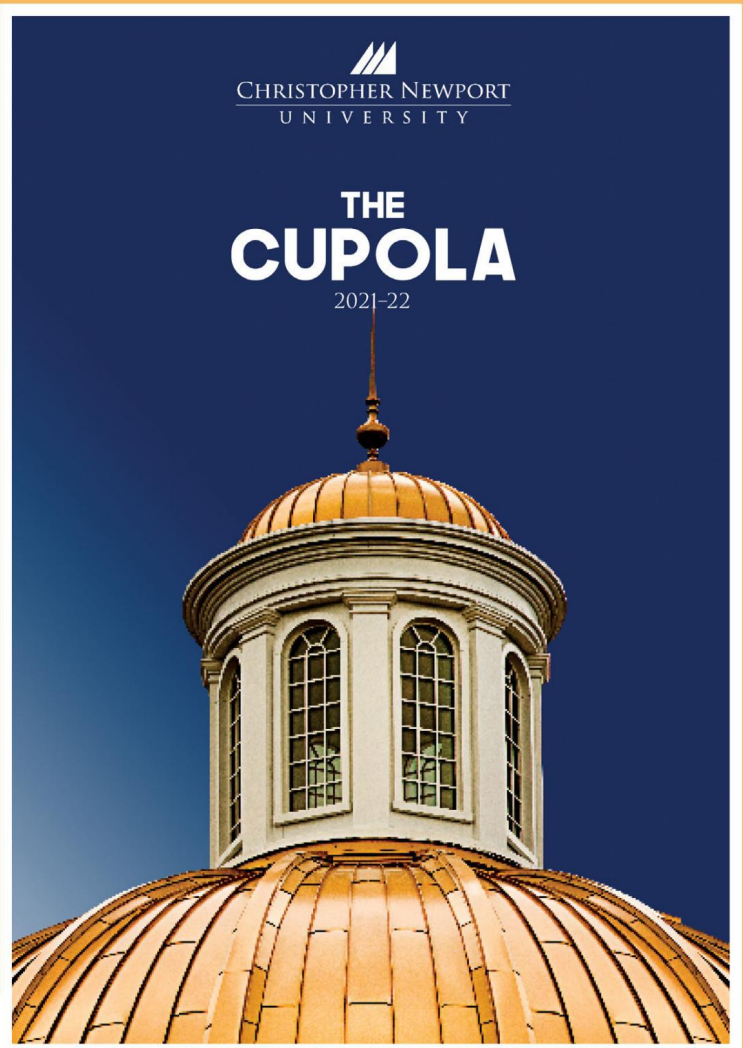


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