



PAIDEIA 2012

**The Eleventh Annual Undergraduate and Graduate
Student Research Conference**

Saturday April 14, 2012

Christopher Newport University

McMurrin Hall & David Student Union

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The Eleventh Annual Undergraduate and Graduate Student Research Conference

Saturday April 14, 2012

Christopher Newport University

Paideia (pi-Day-uh): *The classical Greek education of liberal learning*

This conference was organized and sponsored by the University Graduate and Undergraduate Research Council (UGRC), Office for Undergraduate Research and the Office of the Provost

PAIDEIA Conference 2012
April 14, 2012

Schedule

McMurrin Hall & David Student Union

8:00 AM – 9:00 AM	Registration	McMurrin Hall Lobby
9:00 AM – 10:40 AM	Presentation Session I	McMurrin Hall
10:40 AM – 10:50 AM	Break	
10:50 AM – 12:30 PM	Presentation Session II	McMurrin Hall
11:00 AM – 2:00 PM	Poster Session <i>Independent Viewing</i>	Street of David Student Union
12:40 PM – 2:00 PM	Lunch	David Student Union Ballroom
	Keynote Speaker: Dr. David Doughty, Dean, College of Natural and Behavioral Sciences	
2:00 PM – 4:00 PM	Poster Session <i>Authors Present</i>	Street of David Student Union
3:00 PM – 4:40 PM	Presentation Session III	McMurrin Hall

Ferguson Center for the Arts

1:00 PM – 3:00 PM	Art History Symposium	Ferguson Room 201
4:00 PM – 6:00 PM	Studio Art Senior Exhibition	Falk Gallery of Art
5:00 PM – 5:30 PM	Junior Voice Recital of Hunter Torggler	Music and Theatre Hall
7:00 PM – 7:30 PM	Junior Guitar Recital of Peter Amos	Music and Theatre Hall
8:00 PM	Performance of <i>Humble Boy</i>	Ferguson Studio Theatre

Presentation Session I 9:00 AM – 10:40 AM

Room MCM 112

Moderator: Dr. Michael Mulryan

- 9:00 AM - 9:20 AM *Rousseau v. Wollstonecraft: The "Enlightened" Construction and Deconstruction of Gender in the Eighteenth Century*
Ashley Hutson, faculty sponsor: Dr. Michael Mulryan
- 9:20 AM - 9:40 AM *Orientalism in Voltaire's Satire Candide*
Brendan Harris, faculty sponsor: Dr. Michael Mulryan
- 9:40 AM - 10:00 AM *Beyond the Discourse*
Ian Nutter, faculty sponsor: Dr. Michael Mulryan
- 10:00 AM - 10:20 AM *Deconstructing Emile and Sophie, the "Ideal" Couple: Proto-Heteronormativity in Jean-Jacques Rousseau's Emile*
Alan-Michael Weatherford, faculty sponsor: Dr. Michael Mulryan
- 10:20 AM - 10:40 AM *Selling Women - The Irony of Feminists and Courtesans in Belle Époque France*
Paige Koch, faculty sponsor: Dr. Steven Spalding

Room MCM 114

Moderator: Dr. David Pollio

Please note the later start time for the talks in this session.

- 9:40 AM - 10:00 AM *Purpose in Aeneas's Encounters in Virgil's Underworld*
Sarah Peters, faculty sponsor: Dr. David Pollio
- 10:00 AM - 10:20 AM *Ovid's Ars Amatoria & Mythology*
Emily Cole, faculty sponsor: Dr. David Pollio
- 10:20 AM - 10:40 AM *Trajan's Column*
Matthew Johnston, Jared Kreiner and Stephen Mason, faculty sponsor: Dr. Rosa Motta

Presentation Session I 9:00 AM – 10:40 AM

Room MCM 160

Moderator: Dr. Jessica Lynam

9:00 AM - 9:20 AM

Special Symposium in Spanish

Julia Varona, faculty sponsor: Dr. Jessica Lynam

9:20 AM - 9:40 AM

A Look into the Symbolism of the Characters in the Bildungsroman, Vientos de Agua

Amanda Rocamontes, faculty sponsor: Dr. Claudia Mendez

9:40 AM - 10:00 AM

TBA

Scott Conover, faculty sponsor: Dr. Jessica Lynam

Room MCM 162

Moderator: Dr. Danielle Stern

9:00 AM - 9:20 AM

The Mediated Hero: How "The Walking Dead" Perpetuates Cultural Assumptions of the American Hero

Nader Nekvasil, faculty sponsor: Dr. Danielle Stern

9:20 AM - 9:40 AM

The "Other" Masculinity within Sons of Anarchy

Daniel Blakely, faculty sponsor: Dr. Danielle Stern

9:40 AM - 10:00 AM

The Casey Anthony Phenomenon: A Study of Public Discourse

Samantha Bronson, faculty sponsor: Dr. Danielle Stern

10:00 AM - 10:20 AM

Everyday use of Twitter and Black Blogs as a Means of Black Resistance

Veronica Hurd, faculty sponsor: Dr. Danielle Stern

10:20 AM - 10:40 AM

Hollywood's Interpretation of the Vietnam War

Amanda Scott, faculty sponsor: Dr. Andrew J. Falk

Presentation Session I 9:00 AM – 10:40 AM

Room MCM 164

Moderator: Dr. Bobbye Bartels

9:00 AM - 9:20 AM

The Effect of Theory of Mind on Trait Attributions of Preschoolers

Renee Roccato and Ashley E. Soto, faculty sponsor: Dr. Nicole Guajardo

9:20 AM - 9:40 AM

Cognition and Physical Fatigue on Perceived Effort

Tejaswi Chalasani, Jennifer Marshall, Stephanie Roldan, Amanda Wilson, Ryan Trachtenberg, Nathen Illidge, Jennifer Bledsoe and Kathleen Needham, faculty sponsor: Dr. Noah Schwartz

9:40 AM - 10:00 AM

Cognitive Performance Following Emotional Stress from Simulated Combat

Elizabeth Vignaroli, Emily Aquilina, Dana Burns and Beauregard Buchanan, faculty sponsor: Dr. Noah Schwartz

10:00 AM - 10:20 AM

Fading Affect Bias in Relation to Death

Jacqueline Lentz, Kalli Wilson, Ashley Fehr, Janet Claire Brantley, Hannah Kaye, Angela Toscano and Dr. Jeffrey A. Gibbons, faculty sponsor: Dr. Jeffrey A. Gibbons

Presentation Session II 10:50 AM – 12:30 PM

Room MCM 112

Moderator: Dr. Stephen Strehle

- 10:50 AM - 11:10 AM *The Seeds of Abraham: St. Thomas Aquinas and Mawlana Jalal al-Din Rumi*
James Nalley, faculty sponsor: Dr. George Teschner
- 11:10 AM - 11:30 AM *The Impact of "Women's Speaking Justified" on the Quaker Women's Ministry*
Caitlin McGeever, faculty sponsor: Dr. Amanda Herbert
- 11:30 AM - 11:50 AM *Faith and the External World: A Critique of Descartes and an Affirmation of Unproven Claims*
Kelly Barry, faculty sponsor: Dr. George Teschner

Room MCM 114

Moderator: Prof. Mary Best

- 10:50 AM - 11:10 AM *Machiavelli Through the Ages: An Examination of Severus & Kissinger*
Virginia Blanton, faculty sponsor: Dr. Brent Cushner
- 11:10 AM - 11:30 AM *Lyndon Johnson and His Relationships with his Advisers*
Eric Kinsey, faculty sponsor: Dr. Andrew J. Falk
- 11:30 AM - 11:50 AM *Duong Van "Big" Minh's Big Influence*
John Stevens, faculty sponsor: Dr. Andrew J. Falk
- 11:50 AM - 12:10 PM *Now Way Out: How Politics Pushed Johnson into the Vietnam Escalation*
Ryan Wilson, faculty sponsor: Dr. Andrew J. Falk
- 12:10 PM - 12:30 PM *Confederate Sovereignty and the Prize Cases*
Maddie Popham, faculty sponsor: Dr. Elizabeth Kaufer-Busch

Presentation Session II 10:50 AM – 12:30 PM

Room MCM 160

Moderator: Dr. Jessica Lynam

- 10:50 AM - 11:10 AM *Spaniard in New York: The Effects of Deterritorialization on the Identity and Poetry of Federico García Lorca*
Rosemary Barton, faculty sponsor: Dr. Jessica Lynam
- 11:10 AM - 11:30 AM *Franz Kafka: Exploring Territoriality, Language and the Body*
Andrew Cason, faculty sponsor: Dr. Jessica Lyman
- 11:30 AM - 11:50 AM *Speaking the Subaltern via the Hijab in France*
Lauren Pistole, faculty sponsor: Dr. Jessica Lynam
- 11:50 AM - 12:10 PM *Zafarse del Fukú: The Effects of Dominican Diaspora on the Gendered and Sexualized Identities in The Brief Wondrous Life of Oscar Wao*
Alan-Michael Weatherford, faculty sponsor: Dr. Jessica Lynam

Room MCM 162

Moderator: Dr. John Thompson

- 10:50 AM - 11:10 AM *Distribution of Juvenile Fish on Hummingbird Cay, Bahamas*
Matthew Ware and Brian McNure, faculty sponsor: Dr. Lauren Ruane
- 11:10 AM - 11:30 AM *Effects of Fire on Soil Properties in the Great Dismal Swamp*
Kristina Kowalski, Jackie Roquemore and Robert B. Atkinson, faculty sponsor: Dr. Robert B. Atkinson
- 11:30 AM - 11:50 AM *Spiritual Transformation from Intrinsic and Extrinsic Wilderness Experiences*
David Blanton and Luke Jeffery, faculty sponsor: Dr. Kip Redick
- 11:50 AM - 12:10 PM *Herbivory and Morphometric Comparisons of Two Nursery Stocks of Atlantic White Cedar (*Chamaecyparis thyoides*) Planted in Chesapeake, VA*
Mellony Seidel, faculty sponsor: Dr. Robert B. Atkinson

Presentation Session II 10:50 AM – 12:30 PM

Room MCM 164

Moderator: Dr. Hussam Timani

- 10:50 AM - 11:10 AM *Progress towards a Two-Step Synthesis of the Violacein Core*
Kyle Ponce, faculty sponsor: Dr. Jeffrey M. Carney
- 11:10 AM - 11:30 AM *Do Bilingual and Multilingual Individuals Show Structural and Functional Advantages in Hemispheric Communication Compared to Monolinguals?*
Brittany Brown, faculty sponsor: Dr. Urvi Patel
- 11:30 AM - 11:50 AM *Detecting Rhenium in Zebrafish (*Danio rerio*) via X-ray Fluorescence Analysis*
Vanessa Correll and Jacquelyn Doroski, faculty sponsor: Dr. Lisa Webb
- 11:50 AM - 12:10 PM *Petroleomics: Analysis of Crude Oil by Mass Spectrometry*
Rebecca Beasley, Mitchell R. Horten and Geoffrey C. Klein, faculty sponsor: Dr. Geoffrey C. Klein

Poster Session 11:00 AM – 4:00 PM

Independent Viewing
Authors Present

11:00 AM – 2:00 PM
2:00 PM – 4:00 PM

Location: Street of David Student Union

1. *Effects of Soil Cadmium and Mycorrhizal Fungi on the Growth, Fitness and Cadmium Accumulation in Flax (Linum usitatissimum)*
Laura Hancock, Charlotte Ernst, Rebecca Charneskie and Lauren G. Ruane, faculty sponsor: Dr. Lauren G. Ruane
2. *Students Texting in Class Shown to be Distracting*
Catherine Barton, Ayla Byrd, Rachel Lavender, Erin Rolaf, Alexa George, Ellen Poindexter and Starr Eshleman, faculty sponsor: Dr. Dorothy Doolittle
3. *College Athletes and Alcohol Consumption*
Caitlin Butrick and Travis Roefls, faculty sponsor: Dr. Diane Catanzaro
4. *Identifying a Behavioral Task Sensitive to Early Spatial Learning and Memory Deficits in a TauP301L Transgenic Mouse Model of Alzheimer's Disease.*
Dave Tosto, Tiffany L. Glover, Stephen L. Deweese, Kevin M. Knowlan and John M. Grizzanti, faculty sponsor: Dr. Miranda N. Reed
5. *Shaping Culture of Undergraduate Leadership Programs: Does Selection Process Matter?*
Katie Reeves, Abigail Jobe and Kelsey Stiles, faculty sponsor: Dr. Lynn Shollen
6. *A Theoretical Model to Explain the Onset of Non-Suicidal Self Injury*
Christopher Fry, faculty sponsor: Dr. Thomas Berry
7. *Seat Intention Theory as a Framework for Describing Student Desk Selection: Pick a SEAT, any SEAT!*
Jade Austin, faculty sponsor: Dr. Thomas Berry
8. *A History of the Anti-Tobacco Public Policy Campaign as a Model for Obesity Regulation*
Emily Whitby, faculty sponsor: Dr. Thomas Berry
9. *The Voter Intent Model: A Preliminary Framework for Factors Predicting Voter Behavior*
Gabrielle Martin and Allison Stafford, faculty sponsor: Dr. Thomas Berry
10. *Are Angry People Evil? The Impact of Personality on Malevolent Creativity*
Prithika Selvavel, Gayle T Dow and Sherman Lee, faculty sponsor: Dr. Gayle T. Dow

Poster Session 11:00 AM – 4:00 PM

<i>Independent Viewing</i>	<i>11:00 AM – 2:00 PM</i>
<i>Authors Present</i>	<i>2:00 PM – 4:00 PM</i>

Location: Street of David Student Union

11. *Development of a Computerized Image Acquisition System for Analysis of Betta splendens Bubble-Nesting Behavior*
Carol Paulson, Amanda Bordeaux, Raluca Brand, Cecilia Hansen, Laura Little and Dr. Andrew Velkey, faculty sponsor: Dr. Andrew Velkey
12. *Ina-1 Promoter Mapping in C. elegans*
Caitlin Donahue and Kristiana Kufro, faculty sponsor: Dr. Christopher Meighan
13. *Ina-1 Signaling Mechanism*
Kelly Willett, faculty sponsor: Dr. Christopher Meighan
14. *Riverview Farm Park Community Wetland Enhancement Project*
Crystal Levenson, Colleen Garrison, Kristina Kowalski, Jacqueline Roquemore and Dr. Robert Atkinson, faculty sponsor: Dr. Robert B. Atkinson
15. *Music Therapy Treatment: A Literature Review*
Alissa Feudo, faculty sponsor: Dr. Sherman Lee
16. *Defendant Social and Physical Attractiveness on Leniency of Punishment*
Christine Smilek, faculty sponsor: Dr. Sherman Lee
17. *Music's Influence on Product Perception: A Literature Review*
Micheal Thomas, faculty sponsor: Dr. Sherman Lee
18. *Stimulus Discrimination of Food in Zebrafish (Danio rerio)*
Katarina Nguyen and Brook Williams, faculty sponsor: Dr. Andrew Velkey
19. *Examining Psychological and Religious Factors Among Bereaved Adults*
Laurin Roberts, faculty sponsor: Dr. Sherman Lee
20. *A Review of Adolescent Substance Abuse Treatments*
Candace Thompson, faculty sponsor: Dr. Sherman Lee
21. *Community Engagement Continuum*
Tierney Stark and Dr. Elizabeth Gagnon, faculty sponsor: Dr. Elizabeth Gagnon

Poster Session 11:00 AM – 4:00 PM

<i>Independent Viewing</i>	<i>11:00 AM – 2:00 PM</i>
<i>Authors Present</i>	<i>2:00 PM – 4:00 PM</i>

Location: Street of David Student Union

22. *Face Recognition and Autism Spectrum Disorder*
Sarah Adams, Geneva Polser, Cory Katona, Alie Plott, Paige Daniels, Mandy Wood and Ayla Byrd, faculty sponsor: Dr. Noah Schwartz
23. *Sex Differences in Responding to Social Reinforcement in *Betta splendens**
Nicola Donnelly, Jasmine Reynolds and Ashley Darden, faculty sponsor: Dr. Andrew Velkey
24. *Is Efficiency in Hemispheric Communication Related to Enhanced Cognitive Flexibility?*
Laura Rabbitt, Stephanie Cole, Ariel Myatt and Sarah Ball, faculty sponsor: Dr. Urvi Patel
25. *Relations of Executive Functions and Metalinguistic Awareness to Late Second Language Learning in College Students*
Amanda Lane, Audrey M. Karney, Laura Umberger, Megan Wittusen, Allison Stafford, Timothy A. Toler, Terrain Singleton, Mandy Bradbury and Kelly B. Cartwright, faculty sponsor: Dr. Kelly B Cartwright
26. *Pavlovian Conditioning of Sexual Responding in *Betta splendens**
Laura Little, Morgan Warner, Carol Paulson, Luca Brand and Cecilia Hansen, faculty sponsor: Dr. Andrew Velkey
27. *The Effects of Adolescent Bullying on Females Later in Life*
Sarah Mihm, faculty sponsor: Dr. Roberta Rosenberg
28. *Does Superior Perceptual Completion Facilitate Hemispheric Communication of Illusory Contours?*
Allison Seeley and Kyle Leonard, faculty sponsor: Dr. Urvi Patel
29. *Robotic Arm Based on Distributed Cognition*
Matthew Rutherford, Dustin Ingersoll, Dan Tomaino and Nathan Walker, faculty sponsor: Dr. Noah Schwartz
30. *Exploring the Role of Curvature in Object Recognition*
Verity Watson, Kelsey Jackson, Katelyn Conneen and Samantha Seay, faculty sponsor: Dr. Noah Schwartz

Presentation Session III 3:00 PM – 4:40 PM

Room MCM 112 Moderator: Dr. Shannon Greene

German Language Symposium

Presentations TBA

Room MCM 114 Moderator: Dr. Matthew Mendham

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| 3:00 PM - 3:20 PM | <i>The Moral Basis of Universal Human Rights</i>
<u>Zachary MacDonald</u> , faculty sponsor: Dr. George Teschner |
| 3:20 PM - 3:40 PM | <i>Iraq, the Social Contract, and the Resource Curse</i>
<u>Katherine Forbes</u> , faculty sponsor: Dr. Elizabeth Busch |
| 3:40 PM - 4:00 PM | <i>The Next Domino: U.S. Intervention in Brazil in the Era of Development, 1960-1969</i>
<u>Prentice Sargeant</u> , faculty sponsor: Dr. Andrew J. Falk |
| 4:00 PM - 4:20 PM | <i>Food Ways in The Adventures of Huckleberry Finn: A Representation of Freedom and a Means of Establishing a Community</i>
<u>Thomas Rice</u> , faculty sponsor: Dr. Scott Pollard |
| 4:20 PM - 4:40 PM | <i>The Assassination of Ngo Dinh Diem and U.S. Involvement in Vietnam</i>
<u>Phil Marotto</u> , faculty sponsor: Dr. Andrew J. Falk |

Presentation Session III 3:00 PM – 4:40 PM

Room MCM 160

Moderator: Dr. John Thompson

3:00 PM - 3:20 PM

The Effects of News Source on Believability and Recognition of Believable and Unbelievable News Headlines

Morgan Epstein, Lauren Shriver, Lauren Gooden, Christopher Boyer, Martin Bretzin, Nicholas Saffos and Dr. Jeffrey Gibbons, faculty sponsor: Dr. Jeffrey Gibbons

3:20 PM - 3:40 PM

Technology and Sex Crimes in America

Jennifer Wittenberg, faculty sponsor: Dr. Elizabeth Freund

3:40 PM - 4:00 PM

Show Me the Money: The Conflict of Intellectual Property Rights and Originality of Authorship

Jacqueline Lentz, faculty sponsor: Dr. George Teschner

4:00 PM - 4:20 PM

Treason During the American Revolution

Ashley Blatt, faculty sponsor: Dr. Elizabeth Kaufer-Busch

4:20 PM - 4:40 PM

Ethics of Sons of Anarchy

Daniel Blakely, faculty sponsor: Dr. George Teschner

Room MCM 164

Moderator: Dr. Elizabeth Jelinek

3:00 PM - 3:20 PM

Intelligent Design vs. Naturalism

Shane Conley, faculty sponsor: Dr. Elizabeth Jelinek

3:20 PM - 3:40 PM

Applying the Theory of Island Biogeography to Explain Species Diversity and Abundance within Individual Trees

Shawn Wurst and Lauren G. Ruane, faculty sponsor: Dr. Lauren G. Ruane

3:40 PM - 4:00 PM

Objectivity in Science: a Review of Helen Longino's Feminist Stand-Point Theory

Michael Zamostny, faculty sponsor: Dr. Elizabeth Jelinek

4:00 PM - 4:20 PM

Medicine as a Microculture: A Comparative Study of the Culture of Medicine based on Hofstede and Hofstede's 5 Cultural Dimensions

Jennifer Gerstenfeld, faculty sponsor: Dr. Sean Connable



Throughout the centuries there were individuals who took first steps down new roads, armed with nothing but their own vision: the great creators, the thinkers, the artists, the scientists, the inventors.

-Anonymous