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Fall Student Showcase for Research and Creative Inquiry

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FALL STUDENT SHOWCASE FOR
RESEARCH
& CREATIVE
INQUIRY

THURSDAY · 21 NOVEMBER 2019 ·

3:30 P.M. — 6 P.M.

Fall Showcase for Research and Creative Inquiry 2019

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Acknowledgements

Student Showcase Organizing Committee

Amorette Barber, Chair
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Stephanie Buchert
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Mark Hamilton
Evan Long
Kat McKlesky
Sarah Porter, Co-Chair
Jackie Secoy
Jessi Znosko

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

Academic Affairs
Cormier Honors College
Office of Admissions
Longwood Ambassadors
Growth4VA
Virginia Business Higher Education Council



Growth4VA is a broad-based bipartisan coalition of business, education, and political leaders and Virginians from all walks of life who believe that higher education is a crucial economic engine for our Commonwealth.

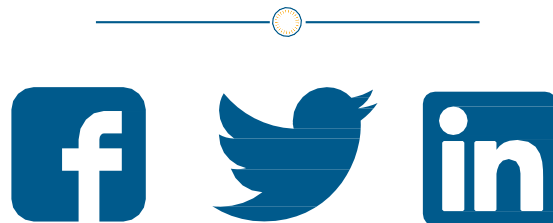
Our coalition is founded by the Virginia Business Higher Education Council and supported by all 16 public colleges and universities in Virginia, the Virginia Community College System, and Virginia’s non-profit private institutions. We are promoting reform and reinvestment throughout the Virginia higher education system.

Sign up now and help our colleges, universities, and community colleges grow Virginia’s economy and create opportunity for all Virginians by investing in talent development and college affordability.

Join the coalition at

GROWTH4VA.COM

Like and follow **[@GROWTH4VA](https://twitter.com/GROWTH4VA)**



Oral Presentations

Biology 251 Introduction to Ecology and Evolution

Faculty Mentor: Dr. Sujan Henkanaththege

Upchurch University Center Room 307

3:30 – 4:30 P.M.

3:30-3:45 Samuel Rogers, Jacob Lindsey, Abigail Watkins, and Xavier Holman

-The Effects of Urbanization on the diversity of Nocturnal Flying Insects

3:45-4:00 Gabby Doyle, Sheila Garcia, Sophie Kidd, and Tra'Dayja Smith

- Impact of the Degree of Urbanization on Bird Diversity

4:00-4:15 Chelsea Griffin, Zachary Taylor, Lexis Nester, and Alexis Henry

- The Effects of Human Foot Traffic on Terrestrial Arthropod Communities

4:15-4:30 Layne Fadely, Brian Cervantes, Amy Helms, and Brittany Armstrong

- Impact of speed limit, weather, and adjacent habitat on the mortality of animals due to road traffic

Biology 251 Introduction to Ecology and Evolution

Faculty Mentors: Dr. Justin Ellis and Dr. Dina Leech

Upchurch University Center Room 307

4:30 – 6:00 P.M.

4:30-4:45 Alayndra Lee, Scott Cast, Brianna Scott, and Andrew Ayer

- Effects of English Ivy on Native Soil Biota

4:45-5:00 Dylan Blanton, Lance Chappell, and Marshall White

-In a Tight Spot: Effects of Space and Density on Daphnia Population Growth

5:00-5:15 Kiley Clark, I'Yana Cary, Elizabeth Putzig, and Stephanie Willis

- Old McDonald had an Ant Farm: The Tunneling Behavior of Ants in Different Soils.

5:15-5:30 Erin Axeman, Nicole Barclay, Angelina Sherba, and JeVaun Thaxton

- The Effect of Different Leaf Species on Earthworm Growth and Behavior Based on Nutrient Content

5:30-5:45 Joey Kohler, Alec Abdalah, and Jacquelyn Bewick

- The Size of Crayfish in a Variation of Depths

5:45-6:00 Abigail Pack, Cecily Hayek, Jeri Tyler, and Sage Church

- Using Survivorship Curves to Determine Differences in Death Rates between Sex, Location, and Time Period

Spanish 341 Culture, Literature, and Artistic Expressions to 1700

Faculty Mentor: **Dr. Javier Fernandez Urenda**

Upchurch University Center Room 312

3:30 – 6:00 P.M.

3:30-3:45 Victoria Adame

- *Women in the Middle Age and Renaissance Cultures*

3:45-4:00 Nathan Sikora

- *The Carnal Humanity of La Celestina*

4:00-4:15 Kathleen Concepcion

- *Chosen Loyalty or Brought Loyalty: Comparing El Mio Cid and La Celestina*

4:15-4:30 Joseph Kelly

- *The Disappearance of Honor: A Comparison of "El Cantar del Mio Cid" and "La Celestina"*

4:30-4:45 Claudia Hayes

- *A new woman: How La Celestina changed the perceptions towards women in the Renaissance*

4:45-5:00 Ethan Rosenberger

- *The importance of Wealth in Mio Cid and Celestina*

5:00-5:15 William Wetmore

- *The Power and Corruption of love as seen in La Celestina and Romeo and Juliet*

5:15-5:30 Genevra Mullis

- *Subverting Gender Roles: Queer Characters in La Vida Es Sueo*

5:30-5:45 Kevin Caggiano

- *Two empires, one concept: How Spain and the United States used art to justify expansion*

5:45-6:00 Carson Eddy

- *Gypsy Representation in Lazarillo de Tormes*

Citizenship 110 Society and its Monsters
Faculty Mentor: Professor Leeyanne Moore
Upchurch University Center Room 310
3:30 - 4:30 and 5:00 – 6:00 P.M.

3:30-4:00 Ben Loucas, Montana Shanks, Caitlyn Wiley, Eric Young, Grace Bertaux, and Kaylee Eckert

-Monsters or Mercy: Young Notorious Killers & The Search for Justice

4:00 – 4:30 Maggie Bryant, Hannah Harrington, Zion Keene, Ethan Lewter, Lindsey Marquardt, and Jessica Semmler

-Sexy Sociopaths: Toxic Masculinity and the Normalization of Female Victimhood

5:00 – 5:30 Camryn Dodson, Leah Eick, Madeline Riddle, and Anna Schmeid

-Hidden Codes and Racial Tensions in the Horror Movies of Jordan Peele

5:30 – 6:00 Cloey Bibbs, Kevin Hutzler, Jacob Rupert, Sami Stoddard, Kyra Valovick, and Dylan White, Rianne Woudsma

- Monsters Now & Then: How Social Changes Are Reflected in Horror Films & TV

English 400 Active Citizenship Writing
Faculty Mentor: Dr. Elif Guler
Upchurch University Center Room 310
4:30-5:00 P.M.

4:30-4:45 Kaitlyn Huff

- *"Kindness changes you, and it changes the world": A Rhetorical Analysis of John Lee Hancock's The Blind Side*

4:45-5:00 Rob Galloway

-A Rhetorical Analysis of One of The Most Underrated Pump-Up Speeches in American History

Performances

Theatre 433 Creative Drama Classroom and Theatre 448 Integrated Arts Theatre

Faculty Mentor: Dr. Ronda Scarrow

Communication Studies and Theatre Arts Center

3:30-5:00 P.M.

3:30- 4:00 Jennifer Rubio, Alden Lakey, Mary Burns, Sarah Allwein, Stephanie Lively, Victoria Saunders, Virginia Johnson, Alexis Anderson, Rachel Swinson, Ashley Torres, Katheryn Parrish, Riley Hayden, Brooke Baker, Taylor Adams

- Integrating Arts into the classroom

4:00-4:30 Kinsey Martin, Sarah Myroup, Megan Vernon, Megan Kerr, Allison Derrick, Anna Quenney, Anna Hudson, Elizabeth Bleutge, Makenzie Kinter, Camryn Rubin, Oaklie Van Meter, Brooke Garman, Katie Barden

- All Aboard the Creativity Express

4:30-5:00 Peyton Vernier, Taylor Adams, Emily Mozingo, Madelyn Lazorchak, Sarah Morgan, Emily Maddie, Karmin Simmons, Kristina Valva, Elizabeth Bleutge, Madison Mosca, Mairem Bemmerzouk, Danielle Moore, Brittany Berger, Ashley Dykes, Madison Randall, and Mary Findley

-Bullying-The Effects Within School Communities

Applied Music Colloquium

Faculty Mentor: Dr. Charlie Kinzer

Molnar Recital Hall

3:30-4:30 P.M.

Students will present a variety of songs and instrumental pieces they have studied and prepared for performance under the mentorship of faculty in the Music Department.

Visual Arts Installations

Integrated Science 310 Chesapeake Bay Brock Experience

**Faculty Mentors: Drs. Melissa Rhoten, Mark Fink, Kerri Cushman, Ed Kinman,
Lara Smith, Jenny Retallick**

Upchurch University Center – 3rd floor
3:30-6:00 P.M.

3:30-6:00 Kaleigh Beale, Ariel Oglesby, Jeri Tyler, Bethany Alvarez, Jessica Cagnina, Mitchell Sharry, Katherine Wilson, and Nicholas Yoder

- *Their Fate is Unknown*

"Their Fate is Unknown" is an investigation into challenging and contentious issues facing the Chesapeake Bay watershed. Using analog and digital documentation, students in the Stewardship of Public Waterways perspectives course designed an art installation demonstrating their visual research through the use of collected artifacts, digital photographs, Polaroids, and haiku poetry.

Poster Presentations – Session 1

Soza Ballroom and Oppenheimer Gallery
3:30 – 4:15 P.M.

Criminology and Criminal Justice 461 Senior Seminar Faculty Mentor: Dr. Virginia Beard

Poster numbers 1-9

Laura O'Toole, Kasey Carr, Samantha James

- *Views Towards Sentencing Practices by Courts*

Timothy Karr II, Zach Baylis

- *Gun Rights*

Sydney-Ann Cash, Casie McKenzie, Aly Burrage

- *The Impact of Age, Population Size of Residence, and Fear of Crime on Views Towards Halting the National Crime Rate*

Gabriel Malone, Madison Simpson

- *The Impact of Age and Political Affiliation on Views towards the Legalization of Marijuana*

Caroline Jones, Gabriella Carioscia, David Frank

- *The Impact of Race, Region, and Fear on Views Toward Capital Punishment*

Cecil Hayes, Tyren Burt, Vincent Mckenna

- *Fear of Crime in the Community Based on Age, Gender and Population Size*

Ashley Cooper, Christian Elkins, Christina Starling

- *The Impact of Race, Education Level, and Political Views on Attitudes Towards Fiscal Responses to Drug Rehabilitation*

Franklin Hale III, Linsey Asbury, Joseph Riley

- *The Impact of Race, Political Views and Sex on Views Towards Police Striking Citizens*

Kinesiology 470 Research Methods in Kinesiology Faculty Mentor: Dr. Laura Jimenez

Poster numbers 10-11

Aislin Dulio, Taylor O'Neill, Erika Passmore, Erica Sieben

- *Heart Rate Response on a Fed versus Fasted Body Performing a Bodyweight HIIT Workout*

Katie Amurrio, Cara Berardi, Hannah Cleaver, Catherine Cox, Ashlyn Paulette

- *Effects of Hydration Status and Endurance Performance on Cognitive Function*

Recreation 461 Issues and Trends in Recreation

Faculty Mentor: Dr. Kirstin Whitely

Poster numbers 12-27

Brady Hinton

- *Using Virtual Assistant Based Programs to Increase Quality of Life in Older Adults*

Kayla Farnham

- *Utilizing a Positive Psychology Approach to TR Interventions for Individuals with Co-Occurring PTSD and Dementia Will Reduce Behavioral Aggression*

Michelle Carey

- *Using VA Acquisition Recreational Equipment Protocols in a Long-term Care Facilities*

Michelle Carey

- *Children with ASD in a classroom using pet therapy to improve social and behavioral aspects*

Mark Greenlaw

- *Using Virtual Assistant Based Programs to Increase Quality of Life in Older Adults*

Reilly Fox, Autumn Huckaby

- *Utilizing Applied Behavioral Analysis, with Individuals with Down Syndrome will Increase Normalized Behaviors*

Cassidy Hackenberg, Emilee McDonal

- *The Use of Baby Doll Therapy to Reduce Sundowning Symptoms for Individuals with Dementia*

Matthew McCord

- *Effects of Video Games*

Taylor Rollison, Alyssa Stamey

- *Using Familiar Dance Styles and Music with Individuals with Parkinson's will Reduce Negative Psycho-Physiological Symptoms*

Lindsey Kunath, Courtney Bailey

- *Using Animal Assisted Therapy for Individuals with Cancer Undergoing Chemotherapy to Improve Quality of Life*

Danielle Cohen, Rileigh Glasgow

- *Utilizing High Technological Interventions for Reminiscence Therapy, Older Adults with Dementia will Improve Autobiographical Memory*

Sarah Irby

- *Can Mindfulness-based Interventions Increase Medication Adherence for Individuals in an Acute Mental Health Care Setting?*

Kelly Mitchell, Courtney Price

- *Recreational Therapists Offering a Leisure Education Programing for Caregivers in Long Term Care Facilities Will Reduce Burnout and Improve Retention*

Erin Chauncey, Alexis McLaughlin

- *Using the Transtheoretical Model to Develop a Recreational Therapy Substance Use Disorder Protocol*

Psychology 461 Senior Seminar

Faculty Mentors: Dr. Sarai Blincoe and Dr. Timothy Ritzert

Poster numbers 28-39

Robert Alvarado, Gabrielle Ewell, Christopher Mason

- *Is passive encouragement the best? A study of different types of encouragement on physical performance*

Bailey Huchthausen, Marcella Johnson

- *Effects of Group Membership on Prosocial Behavior*

Naomi Brewington, Marcus Marin

- *Rules in Relationships*

Phillip Barker, Payton Meeks

- *The Effects of Priming on Prosocial Behavior*

Toni Frattini, Kelsey Hicks, Taylor Morgan

- *Rate and Date: The Effect of Context in Dating Profiles on Ratings of Attractiveness*

Amy Maier, Haleigh Pannell

- *She Swipes Him, She Swipes Him Not: Presence of Sexual Permissiveness on Tinder Profile Preference*

Hannah Berensen, Laia Scott, Brandon Taylor

- *Does a Little Pot Make You Happy?: The Effect of Painting for Yourself vs. Others*

Sara Bekenstein, Kayla Lange

- *How Order of Pictures Impact First Impressions of Instagram Profiles*

Debra Harper, Samantha Jenkins, Shelby Watson

- *How Imagining Summer and Winter Can Influence Donation Amounts*

Deiontreia Mckinney, Carrie Pollard, Kitalya Stokes

- *The Effect of Body Positive versus Pro-Thin Instagram Lifestyles on Body Image*

Madison Amos, Sarah Kelley, Lydia Sares

- *The Effects of Different Seated Postures on Confidence Levels Before, During, and After Task Completion*

History 461 Senior Seminar
Faculty Mentors: Dr. David Coles and Dr. Steven Isaac

Poster numbers 40-57

Hannah Moonis

- *France's Defeat in World War II*

Amber Ilvento

- *The Pullman Strike of 1894*

Hannah Williams

- *A Comparison on Sexuality*

Cassidy Wood

- *Sieg High: Hitler's Drug Use Effects on World War II*

Caroline Hilliard

- *Disaster in the Delta: The Great Mississippi River Flood of 1927*

Danyelle Henderson

- *The Attica Riot of 1971*

Abbey Baldwin

- *Twin Medical Experiments in Auschwitz*

Daniel Bustillos

- *Women Soldiers- Best-Kept Secret of the Civil War*

Allison LaPrade

- *The Military and Socio-Cultural Impact of the Tuskegee Airmen*

Benjamin Johnson

- *The Bellamy Planters: Common Aristocracy or Divergent Elite?*

Jennifer Bryant

- *Patient Life at the Public Hospital for Persons of Insane and Disordered Minds*

Casey Ridpath

- *John Smith and the First Permanent English Settlement*

Heather Dunbar

- *The deinstitutionalization of asylums in the United States*

Christian Hodson

- *Was the Culper Spy Ring Effective?*

Matthew Crow

- *The Tet Offensive: Military Disaster or Diplomatic Failure?*

David Carper

- *Stonewall Jackson and the Valley Campaign*

Spanish 495 Special Topics in Spanish

Faculty Mentors: Dr. Lily Goetz

Poster numbers 61-65

Cameron Roblewsky

- *The Downfall of the Spanish Economy*

Noemi Guzman

- *Francisco Franco: El Gobierno Controla la Memoria Historica*

Carson Eddy

- *Gypsies in Modern Spain*

Marija Venta

- *La educacion durante la Segunda Republica (Education Under the Second Spanish Republic)*

German 461 Senior Seminar

Faculty Mentors: Dr. Sarah Varela

Poster numbers 66-71

Geir Anderson

- *The Faulty Tower of Babel: A dialectic dive into machine translation, standardization, and the German language*

Thomas Dixon

- *A Pound of Hesse: The Lyric Friendship that Preserved Pound's Poetry*

Rebekah Morris

- *Thanks McCarthy: How the Red Scare Cut Off East German Radio*

Jesse Plichta-Kellar

- *Green Fairies, Walking Skeletons, and Hysterias: Mental Illness in the Long Nineteenth Century in Germany*

Andrew Burghaus

- *"Nach Kanossa gehen wir nicht."*

Biology 488 Senior Seminar

Faculty Mentor: Dr. Mark Fink

Poster numbers 72-83

Madison Rea

- *Investigating Methods for Regulation of Intestinal Microbiota as a Treatment for Anxiety Disorders*

Aryana DiPippa

- *Reduced Genetic Variability of Shark and their Conservation*

Matthew Bowman

- *Are Science Fairs Beneficial for K-12 Students?*

Maya Young

- *Why are Dental phobias/anxieties so prevalent: How can this be resolved in order to keep descent oral hygiene?*

Saveya Patterson

- *Does surgery or medication help women with PCOS have a healthier chance being fertile?*

Rayven Brown

- *Predicting Postpartum Depression*

William Kish

- *Standardizing Spider Guilds and Seasonal Guild Diversity*

Kelly Tarmon

- *Childhood Habits and their Effects on Oral and Maxillofacial Development in Adolescent Teenagers*

Tabitha Lenhart

- *Availability and Quality of Resources and Their Effect on Continuance to Higher Education*

Adrianna Doggett

- *Patient-Derived Liver Organoids for Use in Cancer Modeling*

Jessica Mick

- *Tracking Prothonotary Warblers (*Prothonotaria citrea*): Site Fidelity in Mates and Offspring*

Hartley Thacker

- *Restoration methods of 4 native fish in the Clinch Valley*

Poster Presentations – Session 2

Upchurch University Center Soza Ballroom
4:25 – 5:10 P.M.

Cormier Honors College for Citizen Scholars

Poster numbers 1-37

Nathan Sikora, Faculty mentor: Dr. Brian Bates
-Archaeological Methods at the Red Hill Cemetery Project

Brady Hurlich, Julie Rose, Haley Schweigart, Madison Stafford, Faculty mentor: Dr. Mary Lehman
- Comparison of the Effects of Common Fertilizers on Plant Growth

Emmie Evans, Jessica Laplaga, Kira Pierce, Maddie Riddle, Faculty mentor: Dr. Mary Lehman
- Effects of Varying Levels of Caffeine on Seed Germination and Plant Growth in Cucumber

Midge Costello, Tamia Daniel, Samantha Sheppard, Faculty mentor: Dr. Mary Lehman
- Effects of pH levels on seed germination

Joshua Walker, Faculty mentor: Dr. Benjamin Topham
- Determining Partial Molar Volumes for Aqueous Solutions of Sodium Chloride

Corri Calandra, Faculty mentor: Dr. Jonathan White
- Determining Partial Molar Volumes for Aqueous Solutions of Sodium Chloride

Jamie Wagner, Faculty mentor: Dr. Rhonda Walker
-How to Motivate Children with Learning Disabilities to Read and Write

Caroline Verhappen, Tyler Cosley, Elliot Dix Brandon, Walters Sydney, Wilborn Makayla Stokes Balkcom, Faculty Mentor: Professor Jacob Dolence
- Reimagining the current health care system in a new affordable and approachable way

Elizabeth Garri, Anastasia Marle, Joshua Bain, Matthew Cecka, Faculty mentor: Professor Jacob Dolence
- Testing to Develop Future Citizen Leaders

Amanda Anderson, Faculty mentor: Dean Larry Robertson
-Financial Management as College Students

Selena Carerra, Faculty mentor: Dean Larry Robertson
-In Loving Memory

Abbey Mays, Faculty mentor: Dean Larry Robertson
- The Effect of Outdoor Recreation on College Students

Heather Mitchell, Faculty mentor: Dean Larry Robertson

- Struggles lower income students face while in college

Hannah Moonis, Faculty mentor: Dr. Mary Tackett

- Critical Literacy in Reviewing Text on the Vietnam War

Casey Ridpath, Faculty mentor: Dr. Gretchen Braun

-The Effects of Using Project Based Learning in the History Secondary Education Classroom

Samuel Morgan, Faculty mentor: Dean Larry Robertson

-Growing Apart

Laura Johnson, Faculty mentor: Dr. Derek Taylor

- Voltaire

Jamie Wagner, Faculty mentor: Dr. Elif Guler

- A Comprehensive Guide to the Speech-Language Pathology Field

Charlotte Austin, Jackson Barclay, Samantha King-Cash, Madison Lockamy, Emily Mothersbaugh, Crystal Nzewi, Faculty mentor: Dr. Christopher Labosier

- Longwood University - Hot or Not? The Urban Heat Island Effect on Campus

Danyelle Henderson, George Woodruff, Samm Duke, Faculty mentor: Professor Jessi Znosko

- Bridging the Gap: Colleges and Communities

Hannah Moonis, Katherine Buchholz, Faculty mentor: Professor Jessi Znosko

- Bridging the Generation Gap Through Sports

Grace Auld, Stella Morris, Courtney Bailey, Andrew Harnois, Faculty mentor: Professor Jessi Znosko

- Bridging the Gap: Accessibility for All

Rosa Gerena, Faith Harris, Camryn Ridpath, Faculty mentor: Professor Jessi Znosko

- Bridging the Gap Between Residents and Spaces

Alexis Tisdale, Faculty mentor: Dr. Darrell Carpenter

-What do you really know about HonorLock?

Noah Carter, Faculty mentor: Dr. Jim Haug

- Discounted Commodity Items effect on College Students

Ellie Swanson, Faculty mentor: Dr. Lisa Kinzer

- Analysis of Telemann's Fantasia in A major for solo flute

Anne Patterson, Faculty mentor: Dr. Scott Cook

-John Lockes influence on George Washington's principles of citizen leadership

Clair Walters, Faculty mentor: Dr. Catherine Franssen

- An Inquiry of the Effects of Stress Management on Recovery for Hospitalized Patients

Abigail Harris, Faculty mentor: Dr. Ben Campbell

- *PBL: An Active Version of Teaching*

Alaina Bierman, Chanelle Williams, Faculty mentor: Dr. Aftab Khan

- *PECS and the Communication Skills for Students with Intellectual Disabilities*

Haley Schweigert, Julie Rose, Faculty mentor: Dr. Aftab Khan

- *RECALL: A Dialogic Reading Approach for Students with Autism Spectrum Disorder*

Taylor Bauer, Joseph Haily, Faculty mentor: Dr. Aftab Khan

- *Pragmatic Language and Behavioral Issues in Students with Emotional Behavioral Disorders*

Payton Davenport, Seneca Peklo, Faculty mentor: Dr. Hannah Dudley-Shotwell

- *Christianity and Birth Control in 21st Century United States*

Charlotte Pfamatter, Faculty mentor: Dr. Bjoern Ludwar

- *The Buzz About Insect Boxes and the Transition into the Digital Age*

Victoria Adame, Faculty mentor: Dr. Lily Anne Goetz

- *La Mentira: The Lie*

Perspectives on Research in Science and Mathematics and Longwood Summer Scholars

Poster numbers 38-53

Catherine Swinsky, Faculty mentor, Dr. Brandon Jackson

- *Shake a Tail Feather: Function of American Goldfinch Tails During Slow Flight*

Joshua Walker, Faculty mentor, Dr. Benjamin Topham

- *Designing new multi-state single molecule switches*

Tanea Doswell, Faculty mentor, Dr. Benjamin Topham

- *Single Molecule Switches*

Curran Atkinson and Charlotte Pfamatter, Faculty mentor, Dr. Kathy Gee

- *Mitigation Techniques for Mosquitoes in Rain Water Harvesting Systems*

Alexis Wayland, Faculty mentor, Dr. Troy Purdom

- *Intramuscular Hyaluronic Acid Expression of Overtraining in Recreationally Trained Athletes*

Brady Knight, Faculty mentor, Dr. Tom Wears

- *Mean Curvature Zero Translation Surfaces in the Heisenberg Group*

Sarah Ghali, Katelynn McCrillis, Antonio Harvey, Faculty mentor, Dr. Sarah Porter

- *Analysis of Petroleum Products for Forensic and Environmental Applications*

Antonio Harvey, Faculty mentor, Dr. Sarah Porter

- Analysis of Petroleum Products for Forensic and Environmental Applications

Katelynn McCrillis, Faculty mentor, Dr. Sarah Porter

- Analysis of Petroleum Products for Forensic and Environmental Applications

Sarah Dooley, Faculty mentor, Dr. Dale Beach

- Finding Flocculation Fundamentals to Brew Better Beer

Caitlin Harris, Faculty mentor, Dr. Erin Shanle

*- Using *S. cerevisiae* to screen cancer mutations in the DNA damage response pathway*

Brianna LaFratta, Faculty mentor, Dr. Max Hennings

- An investigation of the short-term impacts of chemotherapeutic agents on adult neurogenesis in mice

Meghan Hall, Faculty mentor, Dr. Erin Shanle

- Cancer Mutations Inhibit the Coactivator Ability of p300 Core

Independent Research

Poster numbers 54-55

Marcia Lanasa, Faculty mentor, Dr. Andrew Yeagley

- Synthesis of Gallate Esters Towards Antimicrobial Screening

Emily Randall, Marcella Johnson Boone, Kathryn Bates, Faculty mentor: Dr. Timothy Ritzert

- The Impact of a Cognitive Defusion Intervention on Avoidance of Spiders

Health 325 Human Diseases

Faculty Mentor: Dr. Amanda Blaisdell

Poster numbers 56-68

Austin Funk

- Keep Your Head: Avoid Brain Cancer

Alexandra Menefee, Jonathan Bryant

- The Road to Prostate Cancer or Not

Sayge Taylor, Hannah Barker

- Lung Cancer: The Story That Will Take Your Breath Away

Hannah Lawrence, Brooklyn Weissenfluh

- Love Your Heart. Help Your Brain

Hannah VanHoose, Lauren Buhls

- The Not so Sweet Life of Zach Not Cody

Noah Jenkins, Amy Maier

- The Connection of Depression and Breast Cancer

Kayley Norford, Emily Arrington

- Olivia's Skin Cancer Scare

Mitchell Carey, Holly Wandless

- Life with Alzheimer's

Kayla Moosebrook, Khayla Pennix

- How Rebecca lost her Kidneys

Navy Aliska Stevens, Ayanna Seward

- Do your choices affect the likelihood of contracting HIV/AIDS?

Stephen St. John

- Can Corey Survive?

Mary Dodge

-Relationship of chronic urinary retention in females and anxiety

Jenna Cedor, Taylor Woodring

- Prevention and Treatment of Lung Cancer and Heart Disease

English 400 Active Citizenship- An Advanced Writing Seminar

Faculty Mentor: Dr. Scott McDarmont

Poster numbers 69-84

Michaela Wescott

-Static Stretching versus Dynamic Stretching

Allison Johnson

-Return to Learn Concussion Protocol

Emily Grolemond

-Fad Diets

Matthew Bowman

-Should We Get Rid of Standardized Testing?

Derek Hall

-Specificity Training in Sports

Dani Cohen

-Benefits of Music Therapy for Individuals with Late Stage Alzheimer's

Danielle Moore

-Benefits of Inclusion Classrooms for both Typical and Atypical Students

Quentasha Williams

-Bail Reform in the United States

Courtney Deach

-Paying College Athletes

Kayla Cooksey

-Arguments Surrounding Human Embryonic Stem Cell (hESC) Research

Frank Hale III

-Does the TSA Actually Prevent Terrorist Attacks?

David Diffie

-Video Games and Aggression

Matt Carpenter

-Social Media Addiction

Juan Munoz

-College Athletes being Paid

Brandon Hastings

-Advantages of a Plant Based Diet

Darby Dettra

-Importance of Shopping at Local Farmers Markets

Poster Presentations – Session 3

Upchurch University Center Soza Ballroom
5:15 – 6:00 P.M.

Biology 250 Introduction to Genetics and Cell Biology
Faculty Mentor: Dr. Erin Shanle

Poster numbers 1-14:

Jayden Taylor, Stuart Ehrlich, Kayla Moosebrook

- Predicting the DNA Sequence of a Curly Hair Individual Using a Single-Nucleotide Polymorphism

Amanda Shemro, Tradayja Smith, Iyana Cary

-Analyzing the relationship between curly hair and a single-nucleotide polymorphism

Sharry Mitchell, Jacob Lindsay

- The Study of Single-nucleotide Polymorphisms with Respect to Eye Color

Marshall White, Elijah Maney

-A Single-nucleotide polymorphism and its association with differences in eye color

Ian Castelow, Bailey Teague

- Genotype prediction of a single nucleotide polymorphism using blue eye phenotype

Britney Armstrong, Jayla Beechum, Amy Helms

- Investigating the genotype of photic sneeze reflex

Tristana Foster, Xavier Holman, Paige Weaver

-Using DNA Sequencing to find Genotype of Bitter Single Nucleotide polymorphisms

Nathanial Mylott, Alexis Henry, Jacob Poteat

- Single Nucleotide Polymorphism Analysis for Curly Hair Phenotype

Isai Perez, Kaysi Bing

- Association of a Single Nucleotide Polymorphism in the HERC 2 Gene and Human Iris Color

Chelsea Griffin, Abigail Watkins, Alyandra Lee

-Proving a Bitter-Tasting Phenotype Through Genetic Sequencing

Dylan Blanton, Sheila Garcia, Mitchell Cook

-Does Photic Sneezing Reflex Determine Genotype of a Single-Nucleotide Polymorphism

Hunter Croom, Diego Sifuentes, Jason Seagraves

- Testing Single Nucleotide Polymorphisms for Cilantro Aversion

Biology 301 Comprehensive Human Anatomy and Physiology I

Faculty Mentor: Dr. Bjoern Ludwar

Poster numbers 15-25

Madison Rea, Tatyana Green, Makayla Davis, Megan Curry

-Testing Differences in Lung Volume and Lung Capacity Between Long-Term Cigarette Smokers, Vapers, and Non-Smokers

Cameron Toddy, Megan Bland, Joy Hernandez, Giselle Diehl

- Heart Health & Stress in College Students

Grace Freeman, Marcia Lanasa, Cody Gouyer

-Backpacks: Helpful or a Hindrance?

Adrianna Doggett, Brandi Joyner, Jada Russell, Ryan Servis

-Dietary Sodium Intake and its Effects on Blood Pressure

Emily Humphries, Johan Hottinger, Taylor Johnson

- Can Monosodium Glutamate Enhance Fine Motor Skills?

Kathryn Bates, Haley Bresnahan, Hannah Hatke

-A Cross-Section Analysis of Motor Skills

Catherine Swinsky, Kathryn Hedrick, Caitlin Harris, Brianna LaFratta

-The effects of meditation and meditation on ADHD patients

Alyssa Oppedisano, Jessica Knox, Jessica Moore

- The Effect of Blood Glucose Levels on Coordination

Aryana DiPippa, Jessica Savas, Kelly Tarmon, James Gallagher

- The Effects of Caffeinated Drinks on Blood Pressure

Biology 341 Ecology

Faculty Mentor: Dr. Kenneth Fortino

Poster number: 26

Taylor Alvey, Ashley Coddington, Emily McCartney, Jessica Mick, Debbie Pitt, Ally Salomon, Meagan St. John, Terika Williams

*- Investigation of light availability and disturbance on the population spatial structure of the invasive plant *Microstegium vimineum* along the Wilson Trail, Hampden Sydney, VA*

Athletic Training 470 Clinical Research Methods

Faculty Mentor: Dr. Lindsey Stokes

Poster numbers 27-28

Tyler Andersen

- *Physical Educators' Use of Concussion Education/Training and Return to Learn Policies*

Alexandra Trimble, Allison Johnson, Tiffanie Nolte

- *Grit and Self-Control in Current Students of the Health, Athletic Training, Therapeutic Recreation, and Kinesiology Programs*

Neuroscience 405 Interdisciplinary Neuroscience Applications

Faculty Mentor: Dr. Catherine Franssen

Poster numbers 29-32

Madison Amos, Derek Jones, Sarah Kelley, Lydia Sares

- *Accurately Portraying the Stress of Transition to College is Helpful to High School Seniors*

Lauren Balch, Khaila Hall, Alaina Scott

- *Stress Management*

Brianna LaFratta, Felipe Montes, Taylor Morgan, Zachary Baird

- *Spatial learning from a young age- Does it work?*

Amy Maier, Rob Alvarado, Naomi Brewington, Toby Knappenberger

- *Neuro For You At LU*

Special Education 202 Introduction to Special Education

Faculty Mentor: Dr. Aftab Khan

Poster numbers 34-39

Aryanna Colvin, Annaii Estes

- *Therapeutic Horseback Riding*

Sarah Buljat, Kate Gordon

- *Repeated Reading for Students with Learning Disabilities*

Christina Maynes, Zane Eggleston

- *Is Coping Power helpful?*

Cecilia Glennie, Brady Hurlich

- *The Power of Sand*

Madison Perkins, Makayla Whitaker

- *Benefits of Head Start Programs for those with Intellectual Disabilities*

Abigail Wilson, Ansley Tyre

-Karaoke in Relation to Reading Comprehension in Students with Learning Disabilities

Special Education 389 Survey of Exceptional Children

Faculty Mentor: Dr. Aftab Khan

Poster numbers 40-49

Abigail Harris, James Gallagher

- Review of The Check and Connect program as it relates to students with behavioral disorders

Alexis Lyles, Grace Bigham

- Social Skills Training for Emotional Behavior Disorder

Amber Powers, Sarah Morgan, Samantha Compton

- Effectiveness of Therapeutic Horseback Riding on Social Skills with Autism Spectrum Disorder

Riley Pollman

- Social Skills Training on Students with Hearing Impairments

Abigail Verling, Sydney Rew, Jillian Wilkins

- Music Therapy for Emotionally Disturbed Children

Ashlyn Gould, Elizabeth Howard, Skylar McLachlan

- PALs Helping Pals

Elizabeth Bleutge, Kierra Burrell, Destini Harvey

- Reading Mastery for Students with Learning Disabilities

Victoria Saunders, Allyson Patterson, Emma Hasley

- The Benefits of the Social Skills Training Program for Students with Autism Spectrum Disorder

Johni Mitchell, Taylor Carneal

- Art Therapy and Autism Spectrum Disorder

Alexa Lavinka, Karlyn Harwood

- The Effects of Coping Power on EBD

Special Education 475 Language and Development Disorders

Faculty Mentor: Dr. Aftab Khan

Poster numbers 51-58

Madison Randall, Camryn Rubin

- Pivotal Response Training and Autism

Shawn Terry, Brooke McGowan

- Analysis of Man-Model

Danielle Moore, Morgan Bunn

- *Fast ForWord to better language skills*

Sherae Mcrae, Luis Montes

- *Phonological Awareness on Early Childhood*

Emily Kratzer, Kendall Stuckey

- *The Correlation Between Language Deficiencies and Writing Deficiencies*

Courtney Stewart, Melissa Loy

- *Lindamood Phoneme Sequencing*

Alexis Anderson, Colleen O'Connor

- *The Effects of Earobics on Students with Autism Spectrum Disorder*

Chemistry 301 Applying Chemistry to Society

Faculty Mentor: Dr. Andrew Yeagley

Poster numbers 63-65

Jamila Cromartie, Haley Gordon

- *Science in the world around us*

Gwendolyn Morris, Alaina Taraschi

- *Science in the world around us*

Makala Thomas, Taylor Withrow

- *Science in the World around us*

English 400 Active Citizenship- An Advanced Writing Seminar

Faculty Mentor: Dr. Scott McDarmont

Poster numbers 66-81

Carter Peters

- *Community policing*

Mark Greenlaw

- *What is Therapeutic Recreation?*

Alysa Pacheco

- *Safe ride system in Farmville*

Cierra Clark

- *Fake News*

Baylee Nunnally

- *Men Receive the Death Penalty more than Women*

Conner Ray Potter

- *The B.S. with Food Labels*

Jacob Rockwell

- *Benefits of Physical Activity*

Emily Moran

- *The Role of the President*

Logan Adams

- *Home Field/Court Advantage for games*

Elizabeth Newbold

- *Benefits of animal therapy in elementary schools*

Lauren Buhls

- *Mandatory Overtime for Nurses*

Scott Carter

- *Fentanyl Crisis in America*

Bailey Gadberry

- *The Effects of Climate Change on Wildlife Species*

Daniel Brown

- *The Benefit of Movement in the Classroom*

Autumn Huckaby

- *The Use of Psychedelic-Assisted Psychotherapy*

Emma Hackworth

- *Removing Race from Child Welfare Files*

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