



SPRING SHOWCASE FOR
**RESEARCH &
CREATIVE INQUIRY**
WEDNESDAY APRIL 22, 2020

Spring Showcase for Research and Creative Inquiry 2020

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Acknowledgements

Student Showcase Organizing Committee

Amorette Barber, Chair
Virginia Beard
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Mark Hamilton
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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
Greenwood Library
Office of Admissions

Virtual Spring Student Showcase on Digital Commons

The Office of Student Research is sponsoring Longwood University's first virtual Student Showcase for Research and Creative Inquiry.

https://digitalcommons.longwood.edu/spring_showcase/

The virtual Student Showcase will be held in an asynchronous manner. Student projects and presentations will be displayed on a dedicated Spring Showcase Digital Commons site. The presentations will be organized into various “Project Categories” and this information is included in the Student Showcase program.

Presentations will be open for comments from April 22-24, 2020 with a live Q and A session on April 22 from 2:00 – 4:00 pm.

If you have any questions, please contact digitalcommons@longwood.edu

Awards Ceremony

2:00 P.M.- 3:00 P.M., Zoom Session

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

Students who are receiving the Longwood Excellence in Research and Inquiry Awards have had one or more of the following accomplishments:

- Presented research at a scholarly conference or had a performance or exhibition of creative work outside of Longwood University
- Published an article in a peer-reviewed scholarly journal or received external funding to support an independent research and inquiry project
- Completed a Senior Honors Research Project at Longwood University
- Published in *INCITE*, the undergraduate research journal for the Cook-Cole College of Arts and Sciences at Longwood University

Senior Honors Research

Carrie Reaver (Faculty Mentor Dr. Bjoern Ludwar)

Identifying Fluctuating Asymmetry and Developmental Rate as Indicators of Developmental Stability in Drosophila Melanogaster

Bethany Adams (Faculty Mentor Dr. Andrew Yeagley)

Synthesis of substituted bisphenol probes towards the investigation of antagonistic effects observed with 3,5-substituted paraben derivatives

Jordan Berkompas (Faculty Mentor Dr. Thomas Wears)

Differential Invariants of Curves and Surfaces Under Geometric Transformations

Joshua Hutchinson (Faculty Mentor Dr. Frank Bacon)

2008, 2012, 2016 Summer Olympics: A Test of Market Efficiency

Nathan Iskowitz (Faculty Mentor Dr. Robert Blaisdell)

Mouthguard Use on Throwing Velocity

Derek Jones (Faculty Mentor Dr. Jo Morrison)

Effect of different music genres on cognitive task performance after high intensity interval training

Perspectives on Research in Science and Mathematics (PRISM)

Meghan Hall (Faculty Mentor Dr. Eric Shanle)

Cancer Mutations Alter the Coactivator Activity of p300 Core

Abigail Harris and Thomas Hoke (Faculty Mentor Dr. Sujan Henkanaththegedara)

Assessment of Agnostic Interactions between Native and Invasive Crayfish using Novel Video Tracking System

Christopher Skibinski (Faculty Mentor Dr. Robert Blaisdell)

The effects of mouth guard use for sport performance enhancement on indices of neuromuscular force and power

Kimia Jahangiri (Faculty Mentor Dr. Benjamin Campbell)

Conceptualizing Chemistry in Three Layers

Haley Bresnahan (Faculty Mentor Dr. Andrew Yeagley)

Investigating aliphatic phosphazenes as quaternary amine cation (QAC) mimics

Keira Naff (Faculty Mentor Dr. Jonathan White)

Characterization of cellular targets and derivatization of a choline-appended Pt anticancer therapeutics

Christian Conner (Faculty Mentor Dr. Julian Dymacek)

Non-negative matrix factorization

Iris Hammond (Faculty Mentor Dr. Jeffrey Ledford)

Non-Local Kernel Approximation

Jessica Donahue (Faculty Mentor Dr. Steven Hoehner)

Maximum Surface Area Polytopes Inscribed in the Unit Sphere in R^3

Thomas Hoke and Abigail Harris (Faculty Mentor Dr. Sujan Henkanaththegedara)

Assessment of Agnostic Interactions between Native and Invasive Crayfish using Novel Video Tracking System

Kirsten Bauer (Faculty Mentor Dr. Dina Leech)

Fish Foraging and Freshwater 'Browning': The Balance Between Visual, Chemical, and Mechanical Cues in Searching for Zooplankton Prey

Davice Jones (Faculty Mentor Dr. Dina Leech)

Fish Foraging and Freshwater 'Browning': The Balance Between Visual, Chemical, and Mechanical Cues in Searching for Zooplankton Prey

Sarah Dooley (Faculty Mentor Dr. Dale Beach)

Exposing the Hidden Genetic Character of Non-Model Organisms

Independent Research

Candace Freeman (Faculty Mentor Dr. Ian Danielsen)

Child Sexual Grooming and Predator Method

Christina Amoruso (Faculty Mentor Dr. Denis Trubitsyn)

Effectiveness of Antimicrobial Substances Used to Clean Teaching Laboratory

Tessa DeWalt and Kirsten Bauer (Faculty Mentor Dr. Dina Leech)

Dissolved Organic Matter Flocculation in Coastal Streams and Its Effects on Water Quality

Ashley Coddington (Faculty Mentor Dr. Erin Shanle)

Mre11 cancer variants are expressed at similar levels in yeast

Jessica Savas (Faculty Mentor Dr. Erin Shanle)

Are Mre11 mutants effecting the sensitivity of Camptothecin?

Caitlin Harris (Faculty Mentor Dr. Erin Shanle)

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

Brandon Hastings (Faculty Mentor Dr. Brandon Jackson)

Analyzing the Flight Patterns and Behavior of Dragonflies Engaged in Aerial Territory Battles

Nam Nguyen (Faculty Mentor Dr. Steven Hoehner)

The Entropy Power Inequality

Derek Holmberg (Faculty Mentor Dr. Kenneth Pestka II)

Exploring Connections Between Baseball Bat Geometry, Material, and Performance Using Impact Tests

Patrick Muse and Ivy Stevens (Faculty Mentor Dr. Eric Laws)

Assessing the effects of voluntary mental imagery skills on memory and other cognitive functions

Marija Venta (Faculty Mentor Dr. Renee Gutierrez)

Epic and Empire: Perceptions of Indigenous People Then and Today

Ashley Cooper, Emmelene Rutledge, and Margaret Sutton (Faculty Mentor Dr. JoEllen Pederson)

A Typology Linking Rural Community Health and Volunteering Using Mixed Methodology

Hannah Meyls (Faculty Mentor Dr. Sarah Porter)

Analysis of Phenolic Compounds in Moroccan Olive Oils by HPLC

Jamie Breunig and Hannah Meyls (Faculty Mentor Dr. Ben Topham)

Analysis of Cannabinoids in Hemp Products

Lauren Johnson (Faculty Mentor Dr. Ben Topham)

Fermi level pinning and chemical control of single molecule electronics

Sarah Ghali, Antonio Harvey, and Katelynn McCrillis (Faculty Mentor Dr. Sarah Porter)
Analysis of Petroleum Products for Forensic and Environmental Applications

Marcia Lanasa and Adonel Grubb (Faculty Mentor Dr. Andrew Yeagley)
Synthesis and antimicrobial evaluation of gallate esters

Kelsey Thornton (Faculty Mentor Dr. Sujan Henkanaththegebara)
A Decline in Wintering Bird Species in Central Virginia Suggests a Need for Increased Conservation Efforts

Cormier Honors College for Citizen Scholars

Benedict Loucas (Faculty Mentor Dr. Alix Fink)
The Wonderful World of Grocery: A Demonstration of Computer Science in Everyday Applications

Kirsten Bauer (Faculty Mentor Dr. Benjamin Campbell)
Wetlands in your Backyard: a Virginia wetland Typology

Kathryn Autrey and Naajamah Jones (Faculty Mentor Dr. William Collier)
Social Media and Environmental Degradation: Selfish Selfies and the Unsustainable Instagram Snapshot

Hannah Overstreet and Victoria Adame (Faculty Mentor Dr. William Collier)
The Consequences of Human Nature on Mother Nature: The Effects of Oil from Infrastructure on Wildflowers

Sydney Eliza Taylor and Ellen Grace Johnston (Faculty Mentor Dr. William Collier)
Real News, Fake News: the Misconceptions of Climate Change

Alexa Marzloff and John Eddy (Faculty Mentor Dr. William Collier)
How Diverse are Our Local Streams?

Cameron Toddy (Faculty Mentor Dr. Elif Guler)
A Rhetorical Analysis of the Song "We Are The World": A Call to Change Yesterday, Today, and Tomorrow

Jacqueline Amaya Hernandez and Kiley Clark (Faculty Mentor Dr. Consuelo Alvarez)
The Presence of Different Genotypes in Different Strands of DNA

Dylan Scordellis and Josh Bain (Faculty Mentor Dr. Consuelo Alvarez)

SNP Gel Electrophoresis on Genetic Traits

Kaleigh Beale and Eleanor Carr (Faculty Mentor Dr. Consuelo Alvarez)

Single Nucleotide Polymorphism in Three Traits

Delaney McMahon and Isabelle Villarreal (Faculty Mentor Dr. Consuelo Alvarez)

Determining the Genotypes of Four Characteristics Within Two Individuals

Davice Jones and Jeri Tyler (Faculty Mentor Dr. Consuelo Alvarez)

Determining the Genotype of Four SNPs of Two Individuals

Megan Bland (Faculty Mentor Dr. Brandon Jackson)

Got Milk?

Cameron Toddy (Faculty Mentor Dr. Brandon Jackson)

Benefits of Plant-Based Proteins

Joshua Walker (Faculty Mentor Dr. Benjamin Topham)

Connecting electron transmission through single molecule switches to quantum mechanical models

Carrie Reaver (Faculty Mentor Dr. Andrew Yeagley)

Saving the Synapse: Assessing Opioid Receptors as Therapeutic Targets in the Management of Drug Addiction

Danielle Hess (Faculty Mentor Mr. David Zirkle)

Differences in Big Banks and Small Banks

Casey Williams (Faculty Mentor Mr. David Zirkle)

A Closer Look into Trade in Madagascar

Bryana Woodson, Lauren Zion, Samuel DiLandro, and Kendra Fetty (Faculty Mentor Dr. Katherine Matthews)

The Types of Peer Tutoring

Ashley Schweizer and Bailey Nixon (Faculty Mentor Dr. Robin Smith)

Autism Speaks: Extending Grammar in the Classroom to Students with Autism

Sarah Myroup (Faculty Mentor Dr. Sean Ruday)

Senses of Grammar

Kelsey Swegle and Kyra Valovick (Faculty Mentor Mrs. Jessi Znosko)
The Effect of Volunteering on Stress Hormone Levels of Graduate Student Volunteers

Elizabeth Garri (Faculty Mentor Dr. Dudley Shotwell)
Consent and Sex Ed in the Tobacco Grant Region

Katelyn Housler (Faculty Mentor Dr. Robert Barnwell)
Learning from Longwood's Past and its Competitors to Rebrand the College of Business and Economics

Cameron Roblewsky (Faculty Mentor Dr. Lisa Minor)
The Misguidance of Sexual Education in the United States

Kelsey Ostrowski, Emma Carroll, and Colton Thames (Faculty Mentor Dr. Jackie Daniel)
Assessing the Need for a Campus-Wide Sexually Transmitted Infection Clinic at Longwood University

Madison Lockamy and Emily Mothersbaugh (Faculty Mentor Dr. Chris Bjornsen)
Instagram Use and Personality Traits

Emily Mothersbaugh and Madison Lockamy (Faculty Mentor Dr. Chris Bjornsen)
The Effect of Instagram on Appearance, Self-Esteem and Social Approval

Danielle Toone (Faculty Mentor Dr. Kat Alves)
Comorbidity of Speech and Language Disorders and Other Related Conditions

Jace Frank (Faculty Mentor Dr. Scott Chapman)
The Importance of Frequencies in Sound

Biology

Faculty Mentor: Dr. Consuelo Alvarez
BIOL 250- Introduction to Genetics and Cell Biology

Katelin Savage and Roxana Salas

SNPs mutations leading to eye color appearance and bitter tasting gene

Corbin Winborn and Jamie Slaughter

Sneezing vs. Tasting

Nadia Mullins and Angel Stanley

Cilantro and Eye color SNP's Searching

Jacob Davis

Heterozygous vs Homozygous Sneeze SNP

Ariana Pearson and Marian Nase

Distinguishing Genetic Differences Using Personalized SNPs

I'vana Cary and Jada Russell

Analyzing the Relationship between Bitter tasting, Sneezing and Single-Nucleotide Polymorphism

Caleb Edwards and Kaylen Karnes

Can We use PCR to find if a Gene is Expressed?

Kaysi Bing and Olivia Szego

The Study of the Curly Hair SNP

Caroline Fornili and Amari Riddick

The Search for the Curly Hair Gene

Lance Chappell and Kyle Hiatt

SNPs or Curly Hair Genes

Karleigh Pepper and Lindsay Moore

Predicting Genotype of eye color and hair texture with SNPs

Britney Armstrong and Nathaniel Mylott

PCR and Gel Electrophoresis of Photoc Sneeze SNP

Faculty Mentor: Dr. Erin Shanle
BIOL 324- Genetics

Cameron Toddy, Katie Hedrick, and Mitchell Sharry

The Effects of Knocking Out ATP7 Gene in Drosophila S2 Cells

Rachel Anderson and Emma Rogers

PARK7 gene of drosophila edited using Crispr cas9

Cecily Hayek, Brianna Cervantes, Abigail Pack and Stephanie Willis

Editing the Drosophila Genome using CRISPR- Cas9 to Knockout the WFS1 gene

Faculty Mentor: Dr. Amorette Barber
BIOL 404- Immunology

Kelly Tarmon, Jonah Hottinger, Emily Humphries, and Cody Gouyer

Can a Soy Diet Mimic the Effects of Estrogen?

Marcia Lanasa, Grace Freeman, Carrie Reaver, and Natalie Wood

Dual nature of phytoestrogens as both procancer and anticancer agents

Emma Rogers, Ryan Servis, and Talbot Thames

The Effects of Dioxin-like Polychlorinated Biphenyls (PCBs) on the Development of Myeloid Suppressor Cells

Kayla Cooksey, Adrianna Doggett, Debbie Pitt, and Maya Young

Effects of Phytoestrogens - Lycopene and Trans-Resveratrol - on the development of myeloid-derived suppressor cells (MDSC)

Raquel Perez, Tatyana Green, Haley Bresnahan, and Matthew Jones

Effects of estrogen-mimicking compounds, progesterone and estriol, on myeloid-derived suppressor cell development

Faculty Mentors: Dr. Mark Fink and Dr. Bjoern Ludwar
BIOL 488- Senior Capstone

Reece Theakston

Conservation of marine life

Tessa DeWalt

Strategies for oyster restoration and potential effects on public health

Catherine Swinsky

Function of bird tails during slow flight across species

Makayla Davis

Which birth control method is the most effective for women's health?

Bailey Gadberry

Population Analysis of Farmville, Virginia Birds Using Citizen Science Data

Earl Long

The Use of Biofertilizer Versus Chemical Fertilizer

Jessica Cagnina

Can Coral Farming Combat Coral Bleaching?

Caitlin Harris

Therapeutic Intracellular Delivery of Insulin via Bacterial Secretion Systems to Treat Diabetes

Taylor Johnson

As Tiger Habitat Decreases Limiting Capacities Should be Examined

Kayla Cooksey

Therapies and Treatments for Alpha-Gal Allergy Syndrome (AGAS)

Sarah Kamen

The Effects of Assisted Reproductive Technology on Canid and Felid Reproduction

Alyssa Oppedisano

Effect of Sediment Contact on Leaf Litter Decomposition

Brandon Hastings

Investigating the use of geckos as alternative pollinators

Briana Smith

Male Contraception

Matthew Jones

How Modifications To The Bacterium Ideonella Sakaiensis Could Relieve The Burdens of Plastic Pollutions

Taylor Alvey

What are the potential applications of magnetotactic bacteria in medicine?

Talbot Thames

Overview of Health Consequences in the Ketogenic Diet and Efficacy in Treating Type II Diabetes

Megan Curry, Jonah Hottinger, Aliyah Panizzi, and Natalie Wood

Is Plastic Use Worth the Environmental Cost?

Jessica Savas, Jessica Knox, Cody Gouyer, and James Gallagher

Gene editing: taking the wheel of evolution

Hannah Hatke, Megan Bland, Jada Russell, and Emily Humphries

The Organ Crisis: Donors & Transplants

Hannah Davis, Tyra Nevers, and Debbie Pitt

Genetic modification: a new tool against mosquito-borne diseases?

Chemistry and Physics

Faculty Mentor: Dr. Benjamin Topham
CHEM 403- Advanced Chemical Lab Problem Solving II

Jamie Breunig and Hannah Meyls

Analysis of Arsenic in Wine Using XRF

Sarah Ghali

Metal contamination in drinking water due to metal corrosion

Bethany Adams

Green Chemistry Alternatives: Using Iron as a Catalyst

Joshua Walker

Phytoremediation of environmental contaminants

Faculty Mentor: Dr. Kenneth Pestka II
PHYS 223- University Physics II Lab

Isaac Both

Rayshad Lindsay

Connor Rosenberry

Rebecca Alvarez

Andrew Burghaus

William Coleman

James Cox

Ibrahim Madey

Tyler Ott

Zachary Racine

Nicholas Zebhideh-Strain

Communications Sciences and Disorders

Faculty Mentors: Dr. Alison King and Dr. Lissa Power-deFur
CSDS 450- Speech Science

Shavon Lewis, Victoria Shirey, Raven Laibstain, and Megan Smith

Flame Challenge: Sound Properties

Kasie Fowler, Mackenzie Barnes, Jordan Elder, and Latoya Butler

Resonance

Amber Gordon, Jessica Pressley, William Tanner, and Nanci Arevalo

Flame Challenge: Respiration

Alyssa DiMarino, Jamie Wagner, Mallory Gallagher, and Vanessa Barahona Hickerson

How Speech Travels through the Ear and how the Brain interpreted it

Abigail Johnson, Hannah Millirons, Emily Arnold, Laura Panak, and Jaclyn Owens

Phonation and the Bernoulli Effect

English

Faculty Mentor: Dr. Scott McDarmont
ENGL 400- Advanced Writing Seminar

Brianna Pilkington-King

How to Teach History in the 21st Century

Brandon Miller

Global warming in Virginia

Alexis Powers

What's Wrong with the Prison System

Tra'Dayja Smith

Unemployment

Avenel Brooks

Hackers in the workplace

Nathan Owens

Use of Force in Policing

Cristen McKenzie

Teacher Salary in the United States

Zachary Rector

How do Career Centers help prepare students to enter the workforce post-graduation

Lauren Razzetti

Nutrition in the Farmville area

William Gill

Something with working out. What is good for you versus not.

Sarah Kamen

Effects of Climate Change on Earth's Organisms

Ashley Dykes

Lower Literacy Levels in Low-Income Households

Briana Smith

Natural Hair Don't Care

Leslie Whiting

Kinesiology Controversy's

Christopher Giles

The Impact of Anthropology and Archaeology

Rachel Parks

Assistive Technology in SPED

Dan Yarbrough

The Arts in the Classroom

Adrienne Fletcher

The Effects of Music Tempo on the Body

Mackenzie Roberts

Capital Punishment in Different Societies

Emma Johnson

Coral Bleaching

Gentry Dyson

Effects of climate change on the economy

Ashley Allen

Capital Punishment

Jacob Van Scoyoc

Police Portrayal in the Media

Sarah Kelley

The Analysis of Unfair Stigmatism Against Psychopaths

Nick Hessler

Resistance Training and You

Shore Lakey

Inclusion in the Classroom

Riley Hayden

Is teacher pay reasonable?

Matthew Waterman

Dylon Monaghan

Graphic and Animation Design

Faculty Mentor: Dr. Keith Cummings

GAND 462- Senior Seminar

Christopher Hodge

Adaptive Toys

Darby Lutz

Taste Not Waste

Health, Athletic Training, Recreation, and Kinesiology

Faculty Mentor: Dr. Robert Blaisdell
KINS 470- Research Methods

Lauren Roten, Erin Dwinell, Molly Barkman, and Jordan Howard

Collegiate female performance in high intensity interval training dependent on caffeination of coffee

History

Faculty Mentor: Dr. David Coles
HIST 461- Senior Seminar

Kayla Webb

History of Witchcraft in Early Modern Europe

Jesse Plichta-Kellar

Absent From the Bar: A History of Absinthe in the United States 1790-2007

Integrated Environmental Science

Faculty Mentor: Dr. William Collier
ENSC 402- Environmental Decision Making

Brandon Weaver, Katheryn Kindy, and Alexey Lesnichi

Island Countries: Evacuate or Adapt

Nikki Copenhaver and Becca Aylor

Comparing Existing Mitigation Plans Concerning Wildlife-Agriculture Interactions to Ideal Environmental Decision Making Practices

Travis Wood and Coleman Behne

The Atlantic Coast Pipeline's Effect on Wetlands in Virginia

Braxton Harrup and Jennifer Betz

Outer Banks Stormwater Management

Graham Brown and Jacob Jennings

The Effect of Walleye Reintroduction on the Staunton River

Modern Languages

Faculty Mentor: Dr. Renee Gutierrez
SPAN 352- Spanish American Civilization and Culture

Chrishon Dollard

La violencia de El Salvador: ¿De dónde vino?

Tabitha Calvin

Los indígenas versus los gobiernos federales

Madison Koontz

Violencia Obstétrica en Argentina

Tiphany Taylor

El afrocubanismo

Pedro Lorrain

Chile 1970 hasta el día de hoy: Los cambios por el régimen militar

Elvira Núñez

La corrupción y el crimen organizado en México: Influencias de las organizaciones narcotraficantes

Carrie Reaver

Abordando disparidades de salud en las comunidades latinas de los Estados Unidos

María Sáez

Las influencias del Chapo en la sociedad

Faculty Mentor: Professor Heather Edwards
FREN 402- Advanced Conversation and Phonetics

Samuel DiLandro

Le Français Accentué [Accentuated French]

Music

Faculty Mentor: Dr. Pamela McDermott
MUSC 205- Choral Ensemble- Chamber Singers

Annastasia Marle

Leadership in Conducting and Diversity in Music

Faculty Mentor: Dr. Pamela McDermott
MUSC 405- Camerata Singers

Devin Rivera

Diversity in Choral Leadership; Classroom Management; A Cappella Composition

Breanna Phoenix

Empowering Treble Voices

Zachary Fortune

Navigating the Male Voice

Abigail Joyner

Musical Leadership: From Analysis to Performance

Nursing

Faculty Mentors: Dr. Pamela Crowder and Dr. Theresa Kennon
NURS 230- Foundations of Nursing Practice

Aydan Drake, Hannah Deacon, Amanda Newman, and Rebecca Anderson

Effects of Early Mobilization of Hospitalized Patients based on Evidence Based Practice

Hannah Lawrence, Lauren Buhls, and Samantha Osterman

Preventing Hospital Acquired Infections

Ashlyn Yevchak, Issy Voss, and Kelsey Mawyer

Nursing Staffing Ratios

Julia Whitt, Morgan Davis, and Julia Bass

Is Florence Nightgailes Theory still Effective in Todays World?

Kaitlyn Huff, Aynsley Williams, Emily Arrington, and Carolina Leone

Effects of Technology in the Nursing Practice

Kaeli Somerville, Journey McMillian, Sydney Kuester, and Mackenzie Hodge

Effectiveness of Hand-washing vs. Hand Sanitizer

Kayla Bailey, Hannah Dankenbring, and Ashley Bungcayao

Recognition and Management of Behavioral Disturbances in Dementia Patients

Caroline Nham, Estela Hurd, and Mayana Hamilton

Gold Standard for NG tube placement

Grace Jones, Peyton Romer, and Timothy Bolton

Bed Baths: Soap and Water vs. Wipes

Ashley King, Danielle Eskow, and Mikayla Schockley

Infection Control

Lily Gamble and Madison Taylor

The Effect of Spaces on Hospital Admission Rates of Asthma Patients

Brooke Richard, Tatum Newton, and Tyler Zier

What are the common nurse staffing issues in a health care setting?

Abby Mills and Macy Franchebois

How Vaccinations in Children Prevent the Transmission of Diseases using Evidence-Based Practice

Grace Auld, Hope Barnhart, Kelsey Swegle, and Ryleigh Turner

Negative Effects of Restraint Use

Navy Stevens, Kayla Mosebrook, Morgan Tharpe, and Madison Wessells

The Importance of Catheter Care in Nursing Practice

Bobbie Umberger, Haley Gordon, and Hannah Irons

The Effectiveness of Hand Hygiene: Hand Washing versus Hand Sanitizing

Hannah Ramey, Sarah Katherine Stansell, Selena Carrera, and Delana Person

Best Clinical Practices To Prevent Complications Associated With IV Use

Brittany Smith, Rebecca Long, and Abigail Clark

Music Therapy: A way to help patients experiencing acute or chronic pain

Hannah VanHoose, Stamos Loucas, and Joelle Harthun

Benefits of Using Wound Vacuum Therapy

Faculty Mentors: Dr. Jennifer Hutchinson

NURS 360- Introduction to Research and Evidence Based Practice

Crystal Rosenbaum and Cameron Roblewsky

Benefits of in person translators on patient safety

Kaitlyn Yasnowsky and Samantha Osterman

The use of Music Therapy for treatment of depression

Sara Jane Anderson and Karlie Walter

For incontinent patients does the use of chuck pads reduce the future risk of Genitourinary related infections compared with briefs

Searra Richardson and Bailey Dallas

Hydrocolloid versus Silver Dressings on Infection of Surgical Incisions

Katie Loomis and Kaitlin Harris

Position is Pertinent

Tiffany Carter and Karissa Bright

For nurses and other medical professionals, is the use of hand sanitizers compared to standard hand-washing, just as effective in reducing the future risk and spread of infection?

Lauren Richardson and Kalie Creasy

The Use of Female Catheters

Taylor Keeler and Cheyenne Brown

The positive impacts of increased rounding to reduce falls in hospitalized patients

Tatum Newton and Timothy Bolton

How can newly graduated nurses avoid and deal with moral distress and burnout?

Hannah Arnold and Sarah Spencer

How to Help Pediatric Autistic Patients Feel Comfortable in a Clinical Setting

Kasey Brill and Maureen Dalton

Performing ACE screenings on elementary aged children

Amanda King and Taylor Tyree

Therapeutic Hypothermia and its use in Patients who have Experienced Out-of-Hospital Cardiac Arrest (OOHCA)

Landen Horton and Mary Waldrop

Treatment options for Prehypertension

Shannon Lyons and Molly Mancini

Are preterm infants who have been breastfed at an increased risk for undernutrition compared with full-term infants who are breastfed without complications?

Savannah Johnson and Carie Sutliff

Mental Health in Adolescents and the Importance of Seeking Help

Psychology

Faculty Mentors: Dr. Stephanie Buchert and Dr. Tim Ritzert
PSYC 461- Senior Seminar

Jeancarlo Siles and Scott Cast

The Effects of Message Intensity of Climate Change and Intentions of Future Behavior

Haley Akers, Destiney Houser, and Taylor Johnson

Context Effect of Music on Memory

Phillip Barker, Tobias Knappenberger, and Emily Randall

The Effect of Acceptance and Commitment Therapy on Distress

Alyssa Tinston and Dayna Rouse

The Effects of Mental Health Labels on Stigma

Noah Jenkins, Mckayla Parker, and Jordan Pearce

The Effect of Mental Illness on the Sentencing Outcome of a Murder Trial

Aaqila Jones and Morgan Nelson

The Influence of Online Product Reviews on Customer Purchase Intentions

Zachary Baird and Felipe Montes

Laughs or Screams: Which do you remember?

Lauren Balch, Khaila Hall, and Alaina Scott

Shopping and the Environment

Amanda Lenning, Payton Meeks, and Madeline Payne

The Effects of Perceived Temperature on Group Interactions