

SAVE THE DATE!
SYMPOSIUM 2022
APRIL 6TH!

THANK YOU

Piedmont University would like to thank the following faculty, staff, and students who have helped make Symposium a success.

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We gratefully appreciate the leadership and support from:

Dr. James F. Mellichamp
Dr. Dan Silber
Dr. Perry Rettig



WEDNESDAY, APRIL 14

9:00^{AM} – 5:00^{PM}

For more information, visit
piedmont.edu/piedmont-symposium
piedmontsymposium.com

PIEDMONT
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PIEDMONT SYMPOSIUM | APRIL 14, 2021

	Session 1 9:00-10:00	Session 2 10:10-11:10	Session 3 11:20-12:20	Session 4 12:30-1:30	Session 5 1:40-2:40	Session 6 2:50-3:50	Session 7 4:00-5:00
Screening Room Swanson 129	Chipotle's Struggle with Food Safety Savanna Kennedy Brenda Lartey Brandon Gregory Ernesto Platas Should Directors Shine Light on Dark Money? Sara McKellar Justin Quick Michael Clardy Brittany Devane	Ethical Concerns Around Limiting Stock Buys Katherine Fernandez Mattie Morris Geeth Mahagamage Mario Perezcassar "Pay Day lending" Ethan Darrow Susan Chastain Lule Tekilemariam Jason Grexa William Richter	Solving the Dating Problem Carter Ballstadt Cameron Earls Matching Roommates Nate Moser Danny Lin Nolan Ledbetter Picking a Major Jiro Kurokawa Jordan Foote	The Theatre Student Marketing Team: A High Impact Practice Easily Adapted for Any Department Jo Collinson Jonathan Furlow Elizabeth Carver Matt Bramlett Jordan Hicks Will Akins MSMA Marie Cochran Catalog Sarah Bittner AJ Goodloe	Ghost Games-Analysis of emotional behavior in Piedmont Sports during COVID-19 Geeth Mahagamage Megan Zeldenhust John Ward American marketing associations 7th annual conference Mario Perezcassar Quality Analysis of Children's Book Academy Savanna Kennedy Steve Franklin Carter Ballstadt	Solving Everyday Problems with 3D Printing Sarah Bittner Hannah Oliver The Death of Innocence in "The Spirit of the Beehive" Jaycie Ponce Truth vs Fact: How Investigative Authors Shape American Journalism Hadley Cottingham	Discovering the Psychological Gesture in Shakespearean and Chekhovian Characters Johnny Goodwyn Matthew Poe Dante Wilson Ian Williams Madison Clements Lydia Todd Recorded session on How to Construct and Launch a Professional Theatre Website Lizzy Carver Where Will I Land? Researching Major Cities in Regard to Theatrical Employment Haley Patterson Kaitlin Connor
	Data-driven decision making and instruction Leslie O'Neal Rosemary Huff Deana Boiling Wade Crider Margaret Greenwald Classroom Management Kerilee Pruitt Habersham Middle Students Move Online Carrie Farmer Kaitlyn House Habersham County's Primary Teachers Feelings about Virtual Learning Kellen Jenkins Jasonya Webb Mercades Canup COVID-19's Impact on Teaching and Student Learning in the High School Classroom Robert Dorrian Matthew Buckis	Piedmont Film Productions Chris Barker Caleb Rogers Connor Creedon Aaron Palmer Tyler Goins Spinocerebellar Ataxia Emily Thornton Marissa Taghon Gabriella Hayes Huntington's Disease Gwyneth Thomas Ashley Pugh Jack Traylor Osteoarthritis Trey Huguley Brady McGuire Reaghan Anderson	Bringing Back the Woolly Mammoth: Using CRISP/CAS9 to bring back extinct species. Cameron Granger Swanson Bridge Stewart Computer Lab Daniel Computer Lab Swanson Atrium	Go grab some lunch and check out some of the Open House Events Swanson Bridge Stewart Computer Lab Daniel Computer Lab Swanson Atrium	Acne: Disease Investigation Presentation Matthew Luther Anika Nguyen Haley Rizzo Amyotrophic Lateral Sclerosis Jennifer Broach Madison Hill Grace Beasley Gout Katelyn Dove Madelyn Parris Brayden Brooks Dementia: A disease investigated Marion Sloyan Jillian Addy Autumn Redd Spinal Muscular Atrophy Alaina McDonald Rylie Dingfelder Bradley Geiger Rickets Katherine Navarro Hope Franklin DakotaHendrickson Addie Stewman	Session 6 2:50-3:50 Testing the effectiveness of germicides on Gram + and Gram - bacteria's Mindy Garvin-Leighton Neonatal Onset Multisystem Inflammatory Disease Hannah Smith Taylor Buckner Abigail Seagraves Polymyostis Destiny Deetz Amayah Williams Keshawn Maxwell Rosacea Avery McAllister Samantha Seymour Courtney Cates Hampton Perkins Summary of Alzheimer's Disease Maxwell Shaughnessy Garrett Beagle Anniston Krapf	Lupus Lauren Stone Nicholas Griffin Madeline Pearce Burns Railey Richardson Chase Krokosky Iman Ollie

	Session 1 9:00-10:00	Session 2 10:10-11:10	Session 3 11:20-12:20	Session 4 12:30-1:30	Session 5 1:40-2:40	Session 6 2:50-3:50
Chapel	The Great Data Heist: The History and Future of Data Security Noah Aaron Chris Barker Olivia Justus Madison Powers Getting Social: The Impact of Social Media on Digital Generation Rowan Edmonds John Dills Savannah Richards Anna Watson At a Distance: COVID's Impact on Sports and Broadcasters Maria Allocco Nick Pope Tyler Goins Evan LaPorta	From Chants to Billie Ellish: A Look at Musical Aesthetic Catherine Gunn The Effects of Testosterone on the Vocal Mechanism Matthew F. Bramlett	"Directing a Musical During a Pandemic" Maggie Hudson Madison Bentley "Spectrum, the Musical" Jessie Reed "Theatre Education Internship" Preston Welborn "Student Teaching and Competition" Roselynn Miles Hannah Tussey "Lesson Plan" Kayla Griffin "Interactive Instructional Approach" Deoni Thigpen	The Person in the Black Square has a Question: The Making of Trillium Joseph Brovant Kortnie Phillips Madison Gott Victoria Itedjere Rowan Edmonds Jenna Wendel AJ Goodloe Jay Grindle Tabitha Ford Hadley Cottingham Cole Cline Life is Strange Anna Melton Somewhere Over Pop-Culture Chandler Roberts Science Fiction Literature Timothy Nguyen Abigail Venham	Insects At Crime Scenes Haley McKellar Blood Pools on Different Surfaces Martin Gravley III Gestalt Closure for Vexillology and Visual Working Memory Cole Cline The Use of Mitochondrial DNA in Criminal Cases Michal Norfleet "I knew very little about my South": A Historical Marker for Lillian Smith Angel Rucker Madison Hatfield	Political Influence in the Judicial Branch of the United States Michael Mack The Dry Truth: Historiographical Perspectives on Prohibition Isabel Jones Death Penalty : the effectiveness of the death penalty in how accurate are convictions with the use of DNA evidence. Angel Rucker The Hidden History of Neuroscience Julian Hazen Hope Copelan Kyra Ord Kaden Carter

	Session 1 9:30-10:30	Session 2 2:00-3:00	Session 3 3:00-4:00	Session 4 4:00-5:00	11:00-12:00	11:00-1:00, 2:00-3:00	
Conference Room	The Accuracy of Smartwatches and Pedometers in Measuring Daily Step Counts Sarah Smith The Causes of Knee Pain in Collegiate Track and Field Athletes Demia Mitchell The Differences in The Salary, Media Coverage, And Amenities Based on Gender in Select Professional Sports in the United States Miranda McNalley Impact of a yoga intervention for college students on levels of anxiety Megan Waldheim Adherence of dietary restrictions of PKU subjects to food containing phenylalanine Kiflynn Ross Efficacy of Herd Immunity via Use of Vaccinations Stephanie Peters	An Evaluation of the Relationship Between Exercise Programs and Injuries Killian McClain The Opioid Epidemic in the Pediatric Population. Catherine Wynns Effects of Exercise Regimen in Hypertensive Clients Kyleigh Ramey What are the risk for women being underdiagnosed with cardiovascular disease compared to men? Jeanette Cano Do NICU neonates receiving skin to skin contact with parents have improved mortality rates and health benefits as compared to NICU babies who don't? Alesandra Syley Does Patient education help to lower readmission rates for heart failure patients? Alvin Wells	Exercise Impacts on Quality of Life of Autistic Children Alexandra Wilkins Effects of Physical Activity & Exercise on Mood States Madison Whiteside Physical Ability Differences by Position in Baseball Zach Norman Effects of a Six-Week Plyometric Training Program Jessica Beil What are the benefits of giving birth in a home compared to the hospital? Emily Mahr In patients receiving prophylactic heparin, does a heparin injection administered in the abdomen have less occurrence of ecchymosis or pain than an injection site in the vastus lateralis or deltoid? Sabrina Singh Does repeated Sickle Cell Crisis increase the risk of developmental delays in School aged children? Jasmine Sanchez	Effects of Acute Ingestion of Caffeine on Student Athletes Anaerobic Performance Rebekah Stegmayer Physical Activity and Social Support for Exercise in Division 3 College Students Makenzie Wilcox Using technology to determine the difference between pitching data at different levels of collegiate baseball Noah Heatherly	Open House and Other Events	Object-Oriented Magic 8 Ball Ana Lopez Prado C++ and Database integration Jeremy Cooper A Python Coded Game of Sudoku Laura Dyer Python Calculator Charles "Jacob" Walker Key-Cipher Application Logan Bramlett	High-Fidelity Manikin Simulation Demonstration Sloan Fletcher Noah Heatherly Gabby June Gabby Lotter Killian McClain Maxwell Miller MacKenzie Wilcox High-Fidelity Manikin Simulation Demonstration Sloan Fletcher Noah Heatherly Gabby June Gabby Lotter Killian McClain Maxwell Miller MacKenzie Wilcox
	Swanson Computer Lab	Swanson Computer Lab	Swanson Computer Lab	Swanson Computer Lab	Swanson Computer Lab	Radio Broadcast	Swanson Center Atrium

Session 1: 9:00-10:30

Student	Title	Location	Sponsor
Ryan Cox	Chemical Development of Fingerprints on Porous surfaces	A1.1	Bruce Willis
Cameron Verona	Through a Narrative Lens: God Complexes and How They Affect Platonic Interpersonal Relationships	A2.1	Melissa Tingle
Brittany Gowen	Social Media Effects on College Recruitment	A3.1	Melissa Tingle
Hope Copelan	Population Structure and Incidence of the Leech Placobdella Biannulata on Appalachian Salamanders	A4.1	Cynthia Vance
Hope Copelan	The Neuroscience of Sex Addiction	A5.1	Mike Friedline
Jena Conley	Changing Attitudes Towards Poverty	A6.1	Cynthia Vance
Kaden Carter	The Influence of Personality Traits on Cell Phone Usage	B1.1	Cynthia Vance
Mariana Leon	Creative Impact on Happiness	B2.1	Cynthia Vance
Taylor Bleckley	How likely are people to conform when they're in a group?	B3.1	Cynthia Vance
Alexandra O'Brien	An Analysis of Prison Sentence Lengths	B4.1	Cynthia Vance
Alexandra O'Brien	Does Operant Conditioning Help People Arrive on Time?	B5.1	Cynthia Vance
Tamia Kirksey	Affiliation Between Depression and Physical Activity Among the Youth and Adults	B6.1	Steve Jacobs
Kyra Ord	What Is the function of Somatosensation?	C1.1	Mike Friedline
Kyra Ord	Are Emotions More Likely To Be Recalled Correctly Over Facts?	C2.1	Mike Friedline
Marnie Herbert	Using Positive Reinforcement to Modify Behaviors in Autistic and Self-Harming Clients	C3.1	Cynthia Vance
Marnie Herbert	Phone Usage Impact on Procrastination	C4.1	Cynthia Vance
Lyn St. Louis	Phantom Limb Pain	C5.1	Mike Friedline

Session 2: 11:00-12:30

Student	Title	Location	Sponsor
Gideon Tanner	Evaluating Length of Winter Drawdown Periods in Lakes as a Control Method for Parrotfeather	A1.2	Bill Nye
Cassie Carter	The Effects of 18-46-0 diammonium phosphate, Roundup, and Piedmont Soil on Anabaena algae growth and water quality.	A2.2	Bill Nye
Andrew Kivett	Seasonal Drawdown Effects on Parrotfeather	A3.2	Bill Nye
Dylan Jones	Differential infection rates of two cryptic species of salamander by the trematode Metagonimoides	A4.2	Carlos Camp
Noah Irwin and Ethan Mann	Relationship between Size and Foraging Patterns in Two Species of Salamander (Genus Desmognathus)	A5.2	Carlos Camp
Abigail Iacobucci	Heavy Metal Concentrations in Pore Water of Stream and Wetland Environments	A6.2	Debra Dooley
Duke Wodetzki	Microwave-Assisted Synthesis of Aspirin and the Effects of a Catalyst	B1.2	Elaine Bailey
Taylor Hopkins and Katelyn Smith	Paleo-isolation in the Chattahoochee Slimy Salamander, Plethodon chattahoochee	B2.2	Jessica Wooten
Kaitlin Andrews	Comparative Analysis of the Cutaneous Microbiome of Five Sympatric Salamanders Species	B3.2	Jessica Wooten
Alexandra O'Brien	Acne	B4.2	Julia Schmitz
Alexandra O'Brien	An Analysis into the Different Cognitive Processes used by Fish in order to Thrive and Survive	B5.2	Mike Friedline

Matt Crumbley	Quality Deer Management's Effect on Overall Population, Sex Ratios and Percent of Deer by Age Groups	B6.2	Tim Menzel
Leslie Lopez and Brenda Garduno	Student Leadership	C1.2	Zachary Moore
Ayla Maughon	Effect of different rooting hormone and growth medium combinations on cuttings of the American Persimmon	C2.2	Bill Nye
Nicholas Klein, Mattie Morris, and Jakob Valleroy	Revenue of Professional Sports teams before and after Covid	C3.2	Kris McWhite
Cassandra Kirk	Using next generation sequencing to differentiate among the microbial communities present during various stages of human decomposition	C4.2	Jessica Wooten
Abbey Arnold	The Effects of EDTA on Alcohol Dehydrogenase at a pH of 9.00.	C5.2	Elaine Bailey
Kyra Ord	Punishment Within Operant Learning and Its Effects on Children	C6.2	Cynthia Vance
Alberto Hernandez	COVID-19 and Anticoagulation	C6.3	Jaime Johnson-Huff

Session 3: 2:00-3:30

Student	Title	Location	Sponsor
Jennifer Sabolsky	The Efficacy of Influenza Vaccine in Healthy Adult Patients	A1.3	Mee Young Sowa
Kobhe Macias	Accuracy of Fitness Trackers	A2.3	Abbey Dondanville
Megan Burchfield	Effects of Music Therapy on Children With Autism Spectrum Disorder	A3.3	Jamie Johnson Huff
Brooke Smith	Oral Contraceptive Use Associated with the Risk for Thrombosis	A4.3	Jennifer Kelley
Hallye King	Does Aromatherapy lessen the Effects of Nausea/Vomiting for Patients?	A5.3	Jennifer Kelley
Julie Brown	Effectiveness of chiropractic care on infants with colic	A6.3	Jennifer Kelley
Catherine Ustry	Efficacy of Distraction Techniques Used For Pediatric Needlestick Procedures	A7.3	Jennifer Kelley
Maricruz Flores	The Voice of Hispanic Mothers: The Association between Language Barriers and Health Disparities	B1.3	Jennifer Kelley
Amber Ray	Comparison of hydrolyzed protein formula and soy milk in reducing symptoms of infantile colic	B2.3	Jennifer Kelley
Kaylee White	Effects of Kangaroo Care on Maternal-Fetal Bonding	B3.3	Jennifer Kelley
Mattie Elrod	Are Neonates Who Experience Intraventricular Hemorrhage (IVH) or Extremely Low Birth Weight (ELBW) at a Higher Risk of Developing Disabilities Compared to Neonates Who do Not Experience IVH or ELBW?	B4.3	Jennifer Kelley
Macey Higgins	Can't Touch This... Or Can You?	B5.3	Jennifer Kelley
Jasmine Lopez	Delirium: The Benefits of Hospital Protocols	B6.3	Jennifer Kelley
Tesia Loudermilk	Does Breastfeeding Reduce the Risk of SIDS?	B7.3	Jennifer Kelley
Anna Hathaway	Effects of Play-Based Interventions on Children with Cancer	B8.3	Mee Young Sowa
Brenda Garduno	Do African American women present with more negative birth outcomes compared to other races?	C1.3	Mee Young Sowa
Alina Roberts	Effects of Adoption on Mental Health of Young Adults	C2.3	Mee Young Sowa
Autumn Acampora	Exploring Complementary and Alternative Medicine (CAM): Pain Relief Therapies for Cancer Patients	C3.3	Mee Young Sowa
Aislynn Kimbro	Capstone	C4.3	Mee Young Sowa
Savannah Lindsey	An Evaluation of the Correlation Between Childhood Abuse and Substance Abuse Disorder	C5.3	Tabatha Anderson
Jasmine Cantero Edmonds	Are Children Who are Bottle Fed at Increased Risk for Dental Caries Compared to Children Who are Breastfed During the Toddler Years?	C6.3	Tabatha Anderson
Angelo Roach	In adult patients with covid-19 is Remdesvir an efficient treatment for Covid-19	C7.3	Tabatha Anderson