



PRESBYTERIAN COLLEGE

COLLEGE *of* ARTS & SCIENCES | SCHOOL *of* PHARMACY

HONORS DAY SYMPOSIUM
2025

Honors Day Program on April 24, 2025

**Panel numbers are not indicative of chronological order*

Panel 1: Business, Economics & Data Analytics

8:00am-10:45am Chapman Center

Moderator: Dr. Rachel Childers

Do Internships, GPA, and University Ranking Really Influence Job Offers? An In-Depth Analysis

15-minute Capstone Presentation

Presenter: Eaint Kal Syn Lynn (starts at 8:00am)

Taking an Analytical Approach to Solving March Madness

15-minute Capstone Presentation

Presenter: Brady Andrew Bendig (starts at 8:15am)

Analyzing the Business Effects of Sustainability Transparency Among Fashion Brands

15-minute Capstone Presentation

Presenter: Sarah Elise Dieffenderfer (starts at 8:30am)

Effects of Financial Metrics on Predicting Profit Margins

15-minute Capstone Presentation

Presenter: Spencer Coker Wieters (starts at 8:45am)

Market Inefficiencies and the National Hockey League

15-minute Capstone Presentation

Presenter: Brooke Elizabeth Chandler (starts at 9:00am)

Analyzing Athlete Workload & Performance: Assessing the Impact on Performance and Injury Risk

15-minute Capstone Presentation

Presenter: Lauren Elizabeth Clark (starts at 9:15am)

Breaking Down the Blitz: Statistical Insights from a Collegiate Football Defense

15-minute Capstone Presentation

Presenter: Zebulon John Stroup (starts at 9:30am)

Fastball Expectancy Rate and Pitch Tendencies of Big South Opponents

15-minute Capstone Presentation

Presenter: Mason Polk McDaniel (starts at 9:45am)

Most Offensive Valuable Player in PC Division I Era

15-minute Capstone Presentation

Presenter: Amman Elijah Dewberry (starts at 10:00am)

Artificial Intelligence in Financial Accounting

30-minute Departmental Honors Presentation

Presenter: Rebecca Marie Knight (starts at 10:15am)

Panel 2: Computer Science

9:00am-10:30am HP 209

Moderator: Dr. Olivia Nche

Ethical Hacking Virtual Lab

30-minute Departmental Honors Presentation

Presenter: Caden Joshua Barnett (starts at 8:00am)

HBot

30-minute Departmental Honors Presentation

Presenter: Max Nicklaus Monroe: (starts at 8:30am)

HBot

30-minute Departmental Honors Presentation

Presenter: Cheikh Atamao (starts at 9:00am)

Panel 3: History

9:00am-3:30pm in Neville 102 Kuhne Auditorium

Moderator: Dr. Stefan Wiecki

Flight, Feuds, and Tavernas: Intimacy between Slaveholder and Police Control in Pelotas, Brazil, 1880-1888

30-Minute Departmental Honors Presentation

Presenter: Patrick Buchanan (starts 9:00am)

Appeasement of Hitler: Was this the Best Option or Did it Usher in World War II?

15-Minute Presentation

Presenter: Hannah Noelle Austin (starts 10:00am)

Why Mainstream Lutheran and Catholic Christians in Germany failed to stand up to Hitler

15-Minute Presentation

Presenter: Ella K. Beam (starts 10:30am)

Conscientious Objectors and Deserters on the Pacific Front

15-Minute Presentation

Presenter: David Micaiah Bouknight (starts 11:00am)

Comparing British Prisoner of War Experiences in Germany during World Wars I and II

15-Minute Presentation

Presenter: Jonathan Warner Bush (starts 11:30am)

PAT Lunch (12-1:30pm)

Anti-Semitism in the Weimar Republic

15-Minute Presentation

Presenter: Tyler Michael Chittum (starts 1:30pm)

The Impact of Intergenerational Trauma on Holocaust Survivors

15-Minute Presentation

Presenter: Kylee E. Crumpler (starts 2:00pm)

The Impact of Medical Advances during WWI and WWII on Mortality Rates: A Lasting Legacy in War and Civilian Healthcare

15-Minute Presentation

Presenter: Ashley L. Flynn (starts 2:30pm)

The Shift in Nazi Propaganda Following the Fall of Stalingrad

15-Minute Presentation

Presenter: Ethan Haskell Hall (starts 3:00pm)

Panel 4: English and Women's and Gender Studies

9:00am-10:00am in Neville 122

Moderators: Dr. Philip Perdue and Dr. Emily Taylor

Sport Injury and Identity in the Media

30-Minute Departmental Honors Presentation

Presenter: Michaela Masucol Paredes (starts 9:00am)

Faith, Advocacy, and Justice: Reflections from the United Nations' 69th Commission on the Status of Women

15-Minute Presentation

Presenter: Ella Kathryn Casto-Waters (starts 9:30am)

Panel 5: Modern Foreign Languages

9:00am – 10:30am in Neville 121

Moderator: Dr. Sharon Knight

Transforming Healthcare Communication with AI Translation Technology - Applied Spanish in Health Care

30-Minute Departmental Special Project Presentation

Presenter: Lydia Usama Awadalla (starts 9:00am)

El tabú en <<La sociedad de la nieve>>

30-Minute Departmental Honors Presentation

Presenter: Cecilia Pérez Santiago (starts 9:30am)

Deux mondes culinaires: une étude comparative entre la France et les Etats-Unis

30-Minute Departmental Honors Presentation

Presenter: Chiara Barbieri (starts 10:00am)

Panel 6: Psychology Capstone Poster Symposium

9:00am-10:15am on 1st Floor HP

Moderator: Dr. Sarah Burns

Screen Time Exposure and Kindergarten Readiness: A Community-Based Intervention Approach

Psychology Poster Presenter: Paola Diaz-Reynoso

Substance Abuse and its Relationship to Religion, Spirituality, and Secular 12-Step Programs

Psychology Poster Presenter: Zachary Switzer

A Peer-Accountability Hazing Prevention Model for Fraternal Organizations

Psychology Poster Presenter: James Marler

Disorderly Eating: Does Wrestling Reinforce Unhealthy Eating Behaviors through Perspective Advancement?

Psychology Poster Presenters: Olivia Waller & Trent Donahue

How Risky Drinking Behaviors in College Can Lead to Alcohol Use Disorders

Psychology Poster Presenter: Erin Massey

Generational Alcoholism and Attitudes toward Intervention Programs like AA

Psychology Poster Presenters: Anna Baranski & Courtney Aulbaugh

Parenting Styles and Student Engagement at PC

Psychology Poster Presenters: Katherine Osborn & Madison Crumpton

Panel 7: Sociology

9:00am-10:15am in HP 207

Moderator: Dr. Carla Alphonso

The Impact of Single-Parent Households and Parental Involvement on Child Well-Being: A Comparison with Two-Parent Families

15-minute Capstone Presentation

Presenter: Jy Minnie Nunley (starts at 9:00 am)

The Influence of Childhood Trauma in Developing and Maintaining Adult Relationships

15-minute Capstone Presentation

Presenter: Damian McGregor-Wickham (starts at 9:15am)

Gun Violence in America

15-minute Capstone Presentation

Presenter: Robert James Porter, II (starts at 9:30am)

Exploring the Interplay between Mental Health and Addiction

15-minute Capstone Presentation

Presenter: Mallory Ann Fletcher (starts at 9:45am)

Panel 8: Biology and Occupational Therapy

9:00am-12:35pm in Richardson 116

Moderators: Dr. Michael Rischbieter, Dr. Jim Wetzel, Dr. Austin Shull

*DNA Analysis of *Harperella**

30-minute Departmental Honors Presentation

Presenter: Hannah Grace Rikabi (starts at 9:00am)

Quantifying Microbial Activity and its Implications on Soil Health and Composition across a Carolina Bay Wetland

30-minute Departmental Honors Presentation

Presenter: Samuel Johnson (starts at 9:30am)

10-min break

Evaluating Bacterial Resistant Surfaces Modeled after Shark-Skin Morphology: A Study of Biomimicry

30-minute Departmental Honors Presentation

Presenter: Mattison Elizabeth Rumfelt (starts at 10:10am)

Evaluating the Physiological Benefits of Swimming

30-minute Departmental Honors Presentation

Presenter: Christopher Layne Tennyson (starts at 10:40am)

Improvement of Equine Assisted Therapy Sessions Incorporating Trauma-Informed Care in Pediatrics Who Have Traumatic Experiences

15-minute OT Presentation

Presenter: Krissy Laura Harrelson (starts at 11:10am)

10-min break

The BET bromodomain inhibitor JQ1 differentially induces cell death by suppressing the adaptive hypoxic response in triple negative breast cancer cells

30-minute Departmental Honors Presentation

Presenter: Abigail Grace Weatherford (starts at 11:35am)

Low-Level Carbon Monoxide Gas Enhances Antibiotic Effects

30-minute Departmental Honors Presentation

Presenter: Yasmeen Maher Rasasi (starts at 12:05pm)

Panel 9: Chemistry and Biochemistry

9:00am-12:10pm in Richardson 207

Moderators: Dr. Kimberly De La Cruz, Dr. Caleb Tatebe

Targeted delivery of carbon monoxide: Enhancing therapeutic potential against ROS-mediated diseases

30-minute Departmental Honors Presentation

Presenter: Amanda Melissa Bailey (starts at 9:00am)

Exploring α -ketothioesters as a Carbon Monoxide Donor for Therapeutic Applications

30-minute Departmental Honors Presentation

Presenter: Kayla Rose Ponchamni (starts at 9:30am)

Extraction of Metals Using Deep Eutectic Solvents

30-minute Departmental Honors Presentation

Presenter: Alan Lowell Turner (starts at 10:00am)

10-min break

Understanding the Coordination Chemistry of Tellurium Supported by Redox-Active Ligands

30-minute Departmental Honors Presentation

Presenter: Rivers Buchanan Krask (starts at 10:40am)

*The Interplay of *tra-2(mx)* and *fem-3(gf)* Gene Mutations in Nematodes*

30-minute Departmental Honors Presentation

Presenter: Isabel D Manders-Lamcken (starts at 11:10am)

Ionic Liquid-Coated Gold Core Polymeric Nanoparticles for Targeted Photothermal Treatment of Endometriosis

30-minute Departmental Honors Presentation

Presenter: Lauren Taite Driggers (starts at 11:40am)

Panel 10: Political Behavior

10:00am-11:30am in HP Amphitheater

Moderator: Dr. Justin Lance

Faith, Politics, and Polarization: Understanding Catholic Voting Patterns in Post-Roe America

30-minute Departmental Honors Presentation

Presenter: Dakota Ray Price (starts at 10:00am)

What Drives Extremist Behavior in the United States?

30-minute Departmental Honors Presentation

Presenter: Abigail Ivey Baggot (starts at 10:30am)

The Evolution of African American Political Representation

30-minute Capstone Presentation

Presenter: Braylen Dixon (starts at 11:00am)

Panel 11: Psychology Capstone Poster Symposium

10:30am-11:45am on 1st Floor HP

Moderator: Dr. Sarah Burns

Mental Health Counseling as a Predictor of College Academic Performance: Piloting a Peer Support First-Year Experience Course

Psychology Poster Presenter: Jason Briones

LGBTQIA+ Individuals and Barriers to Mental Health Care

Psychology Poster Presenter: Shawn Konle

The Effect of Music on Student Productivity

Psychology Poster Presenter: Kaila Reid

The Impact of Social Outlets on College Students with Autism Spectrum Disorder

Psychology Poster Presenter: Naomi Lauderbaugh

How Custody Arrangements Affect Academic Achievement

Psychology Poster Presenter: Brianna Horgan

Panel 12: Public Policy and Attitudes Towards Policy

11:30am-12:30pm in HP Amphitheater

Moderator: Dr. Justin Lance

Changes in Individual Attitudes Towards Immigration within the Republican Party

30-minute Capstone Presentation

Presenter: Sophie Grace Small (starts at 11:30am)

From Capitol to Catch: How State Politics and Regulations are Shaping the Future of Aquaculture and Seafood; The Role of Policy, Expansion or Drawbacks?

30-minute Capstone Presentation

Presenter: Barrett Jennings Moody (starts at 12:00pm)

Panel 13: Education Capstone Presentation

11:00am-11:15am in HP 207

Moderator: Dr. Patricia Jones

Autism: Abstract Conceptions and Influences on Literacy

15-minute Capstone Presentation

Presenter: Victoria Michelle Weaver (starts at 11:00am)

Panel 14: Biology, Chemistry, Biochemistry, Physics Poster Presentation

12:30pm-1:30pm in front of Richardson 116

Hyperbaric Oxygen Treatment

Presenter: Lorenzo Curtis Duren

Placental Receptors Affecting Mammalian Parturition

Presenter: Robyn Louise Beeman

The Artificial Placenta and Womb: Application in High-Risk Pregnancies

Presenter: Madeline Rose Hart

Physiological Mechanism of Color Change in Chameleons

Presenter: Sarah Ashley Boteler

Biomechanics of Foot Posture: Impact of Foot Posture on Axial Alignment

Presenter: Rhogue Hart Wallace

Artificial Insemination and Embryo Transfer in Bovine

Presenter: Eric Rodrekas Terry Jr

Physiological Mechanisms of Rapid Color Change in Cephalopods

Presenter: Kinsley Carole Roark

Effects of Lithium Chloride on Head Versus Tail Regeneration in Lumbriculus

Presenter: Courtney Nicole Kirby

Effects of Lead Pollutant on Epimorphic Regeneration in Planaria

Presenter: Sidney Margaret Adicks

Manipulation of Blowfly Metamorphosis Using Ligation

Presenter: Aydon Kimbrell Franey

Predicting Orthologous Groups of Proteins/Domains with Graph Based Clustering Algorithm

Presenter: Bethany Elaine McManus

The Identification of Bacteria for Mutagenesis Capability

Presenter: Reece Maclain Bradberry

Ligand displacement- and de novo-based approaches for fluorescent carbon monoxide detection and monitoring

Presenter: Lasha Facey

A Comparative DNA Analysis of Harperella nodosa Featuring a Molecular Systematics Approach

Presenter: Shelley Ricks

Panel 15: Art Poster Session

12:00pm-12:20pm Harper Gallery

Moderator: Professor Ralph Paquin

IGNITE: The Art of Ceramics

Poster Presentation

Presenter: Cecilia Pérez Santiago

Panel 16: Building Community Student Project Poster Session

12:00pm-12:20pm in Cornelson Center Lobby

Moderator: Dr. Julie Meadows

Blue Hose Field Day

Presenter: Ella K Beam

A Tree to Remember

Presenter: DAndrevius Jhabari Dorsey

Blue Hose Camp

Presenter: Raymond McCray

Campus Cleanup

Presenter: Trent McWhorter

Helping the Community Garden

Presenter: Ashley Ellen Miller

Enhancing Christian fellowship through the utilization of Wyatt Chapel

Presenter: James Carlton Marler

Within our Lenses

Presenter: Tsogt-Ochir Otonpurev

Outdoor Movie Night

Presenter: Robert James Porter II

Panel 17: Office of Career & Professional Development: Outstanding Internships Posters

12:00pm-12:20pm in Cornelson Center Lobby

Moderator: Associate Director Lynn Downie

Summer on the Greenway

Presenter: Hannah Noelle Austin

Finding Your Future Internship with University of South Carolina's School of Medicine

Presenter: Madeline Rose Hart

Langston Construction Outstanding Internship Poster

Presenter: Rebecca Marie Knight

Curating Exhibitions and Purpose at the South Pacific WWII Museum

Presenter: Gabriela Lucia Brinez-Pardo

Gentile Packaging Machinery Programming and Production Internship

Presenter: Avery Michowski

Panel 18: Modern Foreign Languages and Sociology Poster Session

12:00pm-12:20pm in Cornelson Center Lobby

Linguistic Synergy in Healthcare: Advancing Patient Care through Applied Spanish at Prisma Health GMH's ER

Modern Foreign Languages Poster Presentation

Presenter: Lydia Usama Awadalla

Social Mobility within Youth Sports Targeting Lower Income Communities

Sociology Poster Presentation

Presenter: Dillon Carl Towles-Kendle

Effects of Racial Diversification on Community Safety

Sociology Poster Presentation

Presenter: Antonio Clatton Wright

The Effects of Child Abuse and Neglect

Sociology Poster Presentation

Presenter: Alejandro J. Tovar

The Impact of Divorce on Foster Care Children

Sociology Poster Presentation

Presenter: Luke Gibson

Panel 19: Psychology Departmental Honors Presentation

1:00pm-1:30pm in HP 207

Moderator: Dr. Drew Brandel

Combatting Loneliness and Fostering Connection Among Today's College Students

30-Minute Departmental Honors Presentation

Presenter: Caroline Grace Rairigh (starts 1:00pm)

Panel 20: English: Creative Writing

1:00pm-2:00pm in Neville 121

Moderator: Professor Robert Stutts

Creative Writing: Senior Portfolio

15-Minute Presentation

Presenter: Samantha Alexis Hauff (starts 1:00pm)

Creative Writing: Senior Portfolio

15-Minute Presentation

Presenter: Kaia Ashley Barringer (starts 1:15pm)

Creative Writing: Senior Portfolio

15-Minute Presentation

Presenter: Kaila Michelle Reid (starts 1:30pm)

Panel 21: Theater Performance

1:00pm-1:30pm in CIH Classroom

Moderator: Professor Miriam Ragland

Students will perform a 10-minute play of their own composition, Hangman. Students will first perform the play and afterwards spend five to ten minutes describing their rehearsal play. They will then take time to answer audience questions. This play is a compelling and devastating look at a school shooting. While no violence is portrayed, the terror of being in a school lockdown during an active shooter drill is effectively conveyed.

Performers: Kristofer James Chickonoski, Cassandra Rose Gonzalez, Jade Hughes, C. Harlan Lyons, Annalise Morgan Maralit, Gracie Elizabeth Moulton, Joann Elizabeth Pamphilon

Panel 22: Physics Presentations

1:30pm-2:30pm in Richardson 116

Moderator: Dr. Eli Owens

Utilization of Magnetically Induced Jamming in a Universal Gripper

30-minute Departmental Honors Presentation

Presenter: MacKenzie L Partsch (starts at 1:30pm)

Magnetically Induced Fluidization in Granular Materials

30-minute Departmental Honors Presentation
Presenter: Jacob K Clerc and Raiden Bailey (starts at 2:00pm)

Panel 23: Religion and Philosophy

2:00pm-3:30pm in Neville 122

Moderator: Dr. Julie Meadows

"May this testimony edify your life": Recognizing miracle work in Brazilian Pentecostal testimonies

30-Minute Departmental Honors Presentation

Presenter: Patrick Alexander Buchanan (starts at 2:00pm)

A Brief History of Women in Leadership in the Church and A Study of Women in Leadership in the Presbyterian Church (USA)

30-Minute Departmental Capstone Presentation

Presenter: Sarah Grace Stanley (starts at 2:30pm)

Implementing Mental Health Resources within the PCUSA

30-Minute Departmental Capstone Presentation

Presenter: Riley Elizabeth Taylor (starts at 3:00pm)

Honors Day Convocation

4:00pm in Belk Auditorium

PC Orchestra and String Quartet Concert

7:30pm in Edmunds Hall

Conductor: Dr. Giovanni Briguente



Thank You!

A FINAL THANK YOU TO:

Organizer

Dr. Stefan Wiecki

Divisional Coordinators

Dr. Julie Meadows (Humanities)

Dr. Sarah Burns (Social Sciences)

Dr. Margo Petukh (Natural Sciences)

Dr. Katherine Hanlon (Pharmacy)

Abstract Book Editor

Dr. Phillip Perdue

Honors Day Website, Graphic Design, and Video

Ms. Emily Owens

Mrs. Katie Perkins

Mrs. Dana Simmons

Mr. Hal Milam

Mr. Doug Wallace