



PRESBYTERIAN COLLEGE

COLLEGE of ARTS AND SCIENCES | SCHOOL of PHARMACY | SCHOOL of HEALTH PROFESSIONS

HONORS DAY SYMPOSIUM

2021



Virtual Honors Day Program on April 21, 2021

**Panel numbers are not indicative of chronological order*

Panel 1: Using a Yeast Model System to Study Disorders in Humans

(live – 8:30am-9:30am)

Moderator: Dr. Evelyn Swain

The Effects of Complex Sphingolipid Pathway Mutations on Regulated Cell Death in Saccharomyces Cerevisiae

30 Minute Presentation

Presenter: Madison M Ladines (starts at 8:30am)

Yeast as a Model for Type 2 Diabetes: Characterization of the Glucose Transporter Hxt4p in Saccharomyces cerevisiae

30 Minute Presentation

Presenters: Kayla E Bramlett & Kobie J Kirven (starts at 9:00am)

Link: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

Panel 2: Proteins in Health and Disease

(live – 9:45am-10:45am)

Moderator: Dr. Payal Ray

Comparative Analysis of Functional Activity of SSD in NPC1 and NPC1-Like Proteins

30 Minute Presentation

Presenter: Noah D Burkett (starts at 9:45am)

Investigating the Role of Zinc Finger Protein, ZF30C, in Epigenetic Repression of Drosophila Engrailed Gene

30 Minute Presentation

Presenter: Jessica Escobar (starts at 10:15am)

Link: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

Panel 3: Biology of Sport / Paleontology

(live – 11:00am-12:15pm)

Moderator: Dr. Mike Rischbieter

Anterior Cruciate Ligament Injuries in Female Athletes

30 Minute Presentation

Presenter: Kristen T Bane (starts at 11:00am)

Paleopalynology of the Eocene/Oligocene Transition in the White River Badlands of WY

30 Minute Presentation

Presenter: Jaden M Kar-Yun Yam (starts at 11:30am)

Microfossils of the Pee Dee Formation in Florence, South Carolina

15 Minute Presentation

Presenter: Riley Swindell (starts at 12pm)

Link: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

Panel 4: Bioinformatics

(live – 1pm-2:30pm)

Moderator: Dr. Stuart Gordon

Transposon-based Mutagenesis in Acidovorax avenae

30 Minute Presentation

Presenter: Hyland C Gonzalez (starts at 1:00pm)

The Effects of Dietary Iron on the Taxonomic Composition of the Gut Microbiome in Zebrafish, Danio Rerio

30 Minute Presentation

Presenters: Mattie E Kennedy & Kaitlin A Roberts (starts at 1:30pm)

Effects of Increased Dietary Iron on the Functional Potential and Taxonomic Composition of the Zebrafish Gut Microbiome

30 Minute Presentation

Presenter: Kobie J Kirven (starts at 2:00pm)

Link: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

Panel 5: Cancer

(live – 2:45pm-3:45pm)

Moderator: Dr. Austin Y Shull

Cancer Stem Cell-Specific DNA Methylation Changes Correspond with Worse Clinical Prognosis in Breast Cancer

15 Minute Presentation

Presenter: Paris L Rizzo (starts at 2:45pm)

A Metabolic Array Showing Basal-Like Breast Cancer Cells' Ability to Differentially Metabolize Sugar Alcohols

15 Minute Presentation

Presenter: Elayne M Benson (starts at 3pm)

FGF19-mediated Expression Signature in Tobacco Related Head and Neck Cancers

30 Minute Presentation

Presenter: Sara R White (starts at 3:15pm)

Link: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

Panel 6: Physics

(live – 4pm-4:30pm)

Moderator: Dr. Chad Rodekohr

Interpreting Myoelectric Signals via Machine Learning Algorithms

15 Minute Presentation

Presenter: Marigordon R Varner (starts at 4pm)

Modifications to the Rope Braiding Machine at Presbyterian College

15 Minute Presentation

Presenter: Briana L. Cody (starts at 4:15pm)

Livestream starts at 4pm here: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

Space Weather and Physiology

Poster

Presenter: Grace Eun-Hye Wanliss

Link: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

Panel 7: Racial Identity and Racial Ideology

(live - 9am-12pm)

Moderator: Dr. Terry Barr

Hollywood and Contemporary Racial Identity

15 Minute Presentation

Presenter: Ashley Allen

An Examination of What the Bible Has to Say About Race

15 Minute Presentation

Presenter: Brittany Atkins

Racial Identity in Queer Terms

15 Minute Presentation

Presenter: Alexander Barrus

Examining the Impact of Racial Ideology: Literary Characters, the Inner Narrative, and Self- Image

15 Minute Presentation

Presenter: Marley Bickley

Seeking Equality through Sound: How African American Artists Transcended Race through their Music

15 Minute Presentation

Presenter: Mary Katherine Kelly

The Effects and Influence of African American Religious Music During the Civil Rights Movement

15 Minute Presentation

Presenter: Amber Trammell

Link: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

**Panel 8: Religion and Culture
(live – 1pm-2pm)**

Moderator: Dr. Justin Brent

The Syntactic Influence of the King James Bible on English Literature

30 Minute Presentation

Presenter: John Dover (starts at 1pm)

Breaking the Cycle: Women Surviving and Escaping the Cult Environment

30 Minute Presentation

Presenter: Riley Swindell (starts at 1:30pm)

Link: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

**Panel 9: Creative Writing and Art History
(recorded)**

Moderators: Dr. Robert Stutts and Dr. Laura Crary

Forgotten Things

15 Minute Presentation

Presenter: Caeley Olivia Golla

By Any Other Name

15 Minute Presentation

Presenter: Ian Grant Kent Owens

Creative Writing: Senior Portfolio

15 Minute Presentation

Presenter: Debby Simpson Young

Disguising the Nude in Art: Images of Venus from 15th to 19th Century Europe

15 Minute Presentation

Presenter: Sophie Rose Krist

All presentations are pre-recorded and can be found here: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

Panel 10: History

(live – 9:30am-12pm)

Moderators: Dr. Jackie Sumner and Dr. Rick Heiser

The Mexican Revolution and Women in Post-revolution Mexico

15 Minute Presentation

Presenter: Hyland Gonzalez (starts at 9:30am)

Different Views of Iberian Crusades from Western and Arabic Perspectives

15 Minute Presentation

Presenter: Jacob Reeves Bridges (starts at 10am)

Spiritual Fervor and Military Tactics in the First Crusade

15 Minute Presentation

Presenter: Grayson Andrew Horton (starts at 10:30am)

From Loved to Loathed

15 Minute Presentation

Presenter: Michael Robert Malinovsky (starts at 11:00am)

Women in the Crusades

15 Minute Presentation

Presenter: Tanner Wilhelm (starts at 11:30am)

Link: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

Panel 11: Psychology
(live – starts at 10am)

Moderator: Dr. Drew Brandel

Grit and its Relationship with Athletic Performance in Female Collegiate Athletes

30 Minute Presentation

Presenter: Luca Ziegler

Link: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

Panel 12: Political Science
(recorded)

Moderator: Erin McAdams

A Longitudinal Examination of the Characteristics and Changing Political Engagement of Independents in the United States: 1952-2016

30 Minute Presentation

Presenter: Serina Combs

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Panel 13: Entrepreneurs and The Environmental Effects of D1 Football
(live – 9:30am)

Moderator: Dr. Tobin Turner

What Sets Entrepreneurs Apart?

30 Minute Presentation

Presenter: Jonas David Ha

Carbon Footprint Changes due to Football Conference Transitions: Presbyterian College as a Case Study

30 Minute Presentation

Presenter: William Bryce Weber

Link: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

Panel 14: Sociology
(recorded)

Moderator: Dr. Carla Alphonso

Poverty Vs. Education

15 Minute Presentation

Presenter: Keith Lamont Pearson, Jr.

Food Safety Over the Whole World

15 Minute Presentation

Presenter: George Ethan Williams, II.

How Do Income and Race Inequalities Affect People in the Workplace?

15 Minute Presentation

Presenter: Kristopher Jordan Evans-Williams

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**Panel 15: Education
(recorded)**

Moderator: Dr. Julia Wilkins

Educational Challenges Faced by Hispanic Students and Solutions for Schools

30 Minute Presentation

Presenter: Vanessa Huerta

The Effects of Abuse and Neglect on Student Behavior and Learning

30 Minute Presentation

Presenter: Alexandra Livingston Pouch

The Importance of School-Home Communication During the Pandemic That Turned Home into School

30 Minute Presentation

Presenter: Shelby Lynn Allan

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**Panel 16: Pharmacy
(live - 9am/ poster recorded)**

Moderator: Dr. Chris Farrell

Chemotherapy Resistance in Omeprazole Treated Cancer Cell Lines

30 Minute Presentation

Presenter: Hailey Caswell

Factors Associated with E-Cigarette Use in College Students

Poster

Presenters: Rachel Kestin and Gentry Johnston

Link: <https://www.presby.edu/academics/student-research/virtual-honors-day/>

Music

(live – 2pm)

Morning by Oley Speaks (1874-1948) Zueignung by Richard Strauss (1864-1949)

Olivia Sadorf, mezzo soprano

Chanson Épique from Don Quichotte á Dulcinée by Maurice Ravel (1875-1937)

Brendan Shaw, baritone

Il mio bel foco by Benedetto Marcello (1686-1739) The Awakening by Eric Coates (1886-1957)

Aubree Price, mezzo soprano

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If you have any questions, please contact Dr. Stefan Wiecki at swwiecki@presby.edu.

Last updated as of April 20, 2021, at 12:36P.M.

Thank You!

A FINAL THANK YOU TO:

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Dr. Stefan Wiecki

Divisional Coordinators

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Dr. Sarah Burns (Social Sciences)

Dr. Margo Petukh (Natural Sciences)

Dr. Katherine Hanlon (Pharmacy)

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