

WOFFORD COLLEGE

SENIOR SHOWCASE OF UNDERGRADUATE RESEARCH COMMENCEMENT WEEKEND

MAY 20-22, 2022

1)

Students: Faith Bierman '22, Matthew Brown '22, Caitlyn Crocker Orders '22, Logan Teague '22 and Michaela Williams '21.

Faculty mentor: Dr. Kara Bopp.

Title: Age Differences in Working Memory are Affected by Pacing of Stimuli in n-back paradigm.

2)

Students: Joseph Beckett '22, Carolyn Kline '22, Caroline Thompson '22 and Susannah Wertz '22.

Faculty mentors: Dr. Cecile Nowatka and Dr. John Lefebvre.

Title: Effects of Peer Interactions and Resilience Training on Wellbeing.

3)

Students: Alexis Tomlin '22, Will Anderson '19, Emmi Ezekiel '21 and Shahraiz Khan '20.

Faculty mentor: Dr. Deidra Coleman.

Title: A Poisson Model of Zika Case Virus in Colombia as Grouped by Location.

4)

Student: Adrienne Thackery '22.

Faculty mentors: Dr. Terry Ferguson and Dr. Kaye Savage.

Title: Legacy Sediments of a Floodplain in the Lawson's Fork Creek Watershed of Upstate South Carolina.

5)

Students: Ethan DiBlasio '22, Jones Alexander '22, Sara Faucett '23 and Talia Selembo '24.

Faculty mentor: Dr. Robert Harris.

Title: Hydroamination of C-C Multiple Bonds.

6)

Students: Lauren Strange '24, Yazmin Medina Chavez '24 and Mia Kilpatrick '22.

Faculty mentor: Dr. Ramón Galiñanes Jr.

Title: The Influence of Newspapers and Media Representation in Angola.

7)

Students: Alfie Brownless '22 and Aniah Kaltz '22.

Faculty mentor: Dr. Carolyn Martsberger.

Title: An Investigation into the Relationship between Temperature and Arrhythmias in Cardiac Tissue.

8)

Students: Mayra Lomeli-Garcia '21, Mariana Gonzalez '21, Sandra Lopez '21, Naya Taylor '21, Jay Stevens '22 and Hector Ortiz '22.

Faculty mentors: Dr. Laura Barbas Rhoden and Dr. Christine Dinkins.

Title: Understanding Kindergarten Readiness Data: Qualitative Research Study of Forest Park and Highland Neighborhoods.

9)

Student: Alfie Brownless '22.

Faculty mentor: Dr. Anne Catllá.

Title: Implementation of Statewide Election Data to Examine Fairness of South Carolina District Maps: A Comparative Analysis of Approaches for Approximating Results in Uncontested Races.

10)

Student: Emma Humphries '22.

Faculty mentor: Dr. Youmi Efur.

Title: Meditative and Therapeutic Art: Community Outreach to Spartanburg Opportunity Center.

11)

Student: Ethan DiBlasio '22.

Faculty mentor: Dr. Robert Harris.

Title: Efforts Towards the Design and Synthesis of a New Aminotroponimate Supported Zinc Complex for Hydroamination.

12)

Student: Blair Brawley '22.

Faculty mentor: Dr. Ramin Radfar.

Title: Extraction, purification and crystallization of glucose-6-phosphate dehydrogenase.

13)

Students: Chase Creamer '22, Eric McKenzie '23, Shephard Hawj* and Whitney Kitchen*.

Faculty mentor: Dr. Rachel Grotheer.

Title: Surviving Ragnarök: Modeling Humanity's Chance of Survival After a Major Disaster Event.

14)

Students: Fadzai Mushayamunda '22 and Dieran McGowan '22.

Faculty mentor: Dr. Camille Bethea.

Title: Knot Just Hair.

15)

Student: Strahley Benson '22.

Faculty mentor: Dr. Philip Swicegood.

Title: Evaluating Residential Investment Real Estate in South Carolina.

16)

Student: Hannah Brown '22.

Faculty mentor: Dr. Amanda Matousek.

Title: "This We'll Defend" ...Or So They Say. The Murder and Story of Vanessa Guillén.

17)

Student: Nicholas Wardroup '22.

Faculty mentor: Dr. Victoria Gilbert.

Title: Assessing Explanatory Variables for Spartanburg's Rail Trail Extension Project.

18)

Students: Chris Hatchell '22 and Megan Santos '23.

Faculty mentors: Dr. Chris Romanek, Dr. Greg Lewis and Dr. Grace Schwartz.

Title: Iron Geochemistry at Glendale Shoals.

19)

Student: Abby Roberts '22.

Faculty mentor: Dr. Anna Harkey.

Title: The Impact COVID-19 Had on Students' Academic and Behavioral Struggles.

20)

Student: Ava Chandler '22.

Faculty mentor: Dr. Anna Harkey.

Title: Individual Experiences Transitioning to a Private College from a First-Generation Background Versus a Non-First-Generation Background.

21)

Student: Ally Furnari '22.

Faculty mentor: Dr. Cissy Fowler.

Title: How Social Media Affects Society.

22)

Student: Sarah Peak '22.

Faculty mentors: Dr. Anna Harkey, Dr. Alysa Handelsman and Dr. Amy Telligman.

Title: The Effects of Food Insecurity on Children.

23)

Student: Lamar Buchanan '22.

Faculty mentor: Dr. Anna Harkey.

Title: Adverse Childhood Experiences in the Classroom.

24)

Student: Ruqaiya Dalal '22.

Faculty mentor: Dr. Anna Harkey.

Title: Mental Health Impact of Spartanburg.

25)

Student: Meredith Bean '22.

Faculty mentor: Dr. John MacCarthy.

Title: Impact of Wind Speed and Temperature on Tornado Severity in South Carolina.

*Students from the South Carolina Governor's School for Science and Mathematics.

Interested in learning more about undergraduate research at Wofford College? Please contact Dr. Ramón Galíñanes Jr., Director of Undergraduate Research and Post-Graduate Fellowships, at Galinasr@wofford.edu.

Undergraduate Research & Post-graduate Fellowships

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IN THE MUNGO EXCHANGE