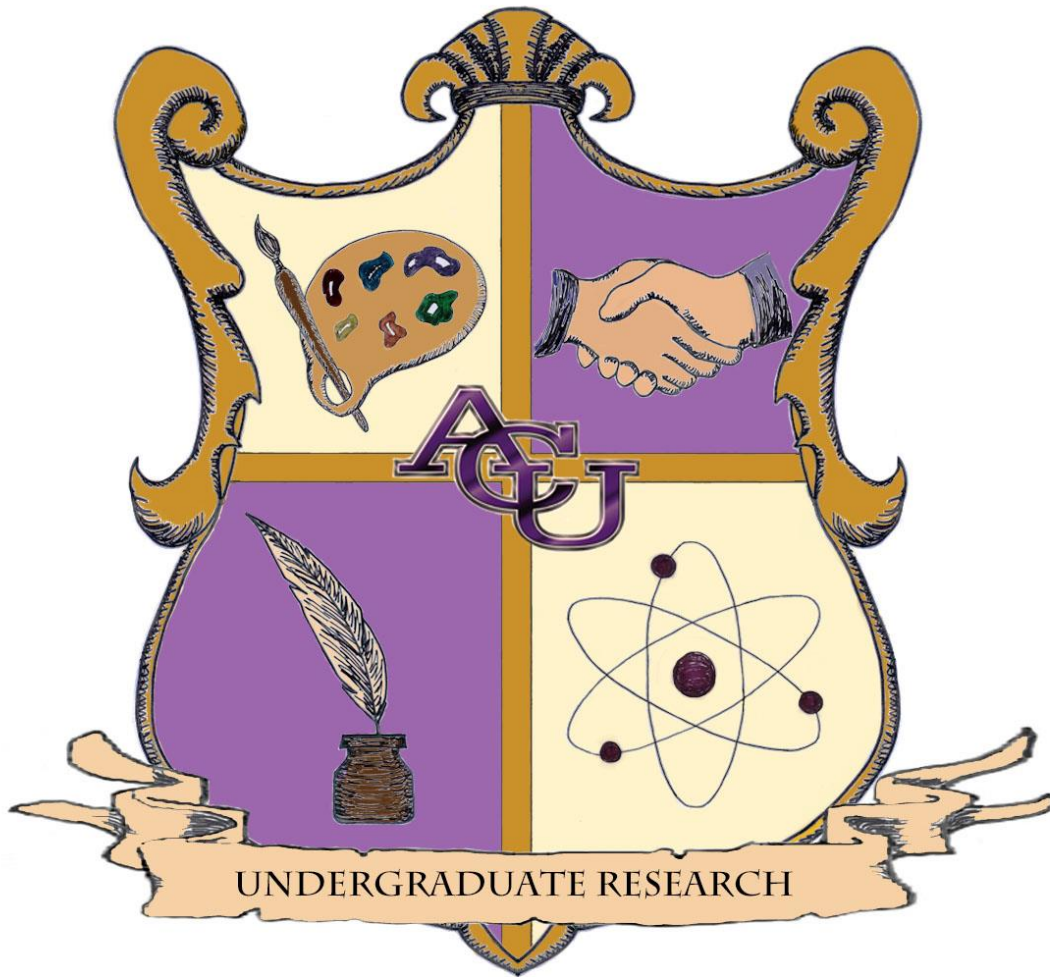


2018 ACU Undergraduate Research Festival



March 27, 2018

Festival Schedule Overview

9:00 – 3:00 PM Registration

Hunter Welcome Center Hall of Honor

9:30 – 10:50 AM Oral Presentations

- A1. McCaleb Room Zone A
- A2. McCaleb Room Zone B
- A3. Alumni Conference Room
- A4. LYNAY Classroom

11:00 – 11:30 AM Chapel

McCaleb Room Zone B

11:30 – 1:00 Lunch

McCaleb Room Zone C

12:15 – 1:15 PM Poster Session

Atrium of the Hunter Welcome Center

1:30 – 2:50 PM Oral Presentations

- B1. McCaleb Room Zone A
- B2. McCaleb Room Zone B
- B3. Alumni Conference Room
- B4. LYNAY Classroom
- B5. AT&T Theatre

3:00 – 4:20 PM Oral Presentations

- C1. McCaleb Room Zone A
- C2. Alumni Conference Room
- C3. AT&T Theater

5:30 – 6:30 Awards Dinner (Pre-registration required)

McCaleb Room Zone C

Hunter Welcome Center Zone

A

Session 1: 9:30 to 10:50 AM

Teel, Julia. The New Mother: Reading 'Le Figaro's Significance in the Iconographical Canon of the Woman Reader.

Weeks, Savannah. "The Worst of All:" Female Authorship in 17th Century New Spain and England.

Sanderson, Mackenzie. The Life and Experiences of the East German Woman.

DeMuynck, Jacqueline. The Feed that Feeds: A Rhetorical Analysis of @NourishAndEat's Body Positive Instagram Campaign and Its Effect on Self-Image.

Young, Samantha. The Philosophical Complications of FGM in Somalia.

Hunter Welcome Center Zone

A

Session 2: 1:30 to 2:50 PM

Laster, Caleb. A Program for Progress.

Thompson, Summer. Lead Laced Water: An Analysis of Governor Snyder's Image Restoration Strategy in the Flint Water Crisis.

Counts, Emily. How Kendrick Lamar's "Alright" Became a Black Lives Matter Anthem.

Hatfield, Kayler. The Mythology of Black Criminality: A Rhetorical Analysis of Ava DuVernay's Documentary '13th'.

DeMuyneck, Jacqueline. Analyzing the Catholic Church's 2002 Crisis Response Strategies.

Hunter Welcome Center Zone

A

Session 3: 3:00 to 4:20 PM

McCalmont, Megan. Adolescent Grief in Young Adult Literature.

Bowling, Hannah. Sense, Sensibility, and Shrews: Exploring the Influence of Taming of the Shrew on Sense and Sensibility.

Terry, McKinley. The Bard of the Black Chair: Ellis Evans and Memorializing the Great War in Wales.

Kocsis, Valerie. The Language of the Land: A Review of Selected Literature on Geolinguistics.

Hunter Welcome Center Zone

B

Session 1: 9:30 to 10:50 AM

This session consists of oral presentations in the Social Sciences with topics related to public policy.

Stonehouse, Bryn. Public Perceptions on Insurance Covered Substance Abuse Treatment: Implications for Social Work Practice and Policy.

Walker, Caitlin. Gerontological Research on the Development Of Aging Individuals through the Field of Intervention Based Institutions.

Jones, Desiree. Orange is the New Green: A Qualitative Study on Contract Prisons and their Effect on the Prison Population and Society.

Franco, Lauren. What's all the Hullabaloo? Examining the Legality of Texas A&M's Restriction on White Supremacist Speech in the Fall of 2017.

Hunter Welcome Center Zone

B

Session 2: 1:30 to 2:50 PM

This session consists of oral presentations in the Social Sciences on the topic of mental health.

Sadler, Amanda. Helplessness as it relates to depression.

Buchannon, Savannah, Emily Studer, and Joshua Rhodes. Correlates of Attitudes Towards Emotional Support Animals and College Adjustment.

Fallatah, Khalid. Success.

Ewing, Kayla. More Than an Orthopedic Injury.

Church, Ruth. Art Therapy: Evolved Therapy.

Hunter Welcome Center Zone

B

Session 3: 3:00 to 4:20 PM

This session consists of oral presentations in Social Science on a variety of topics.

Muvunyi, Grace-Kelly. Where is the Good Food! Understanding the Perception of East African Immigrants Regarding Dietary Acculturation, and its Health Effects Since Arrival in the United States.

Hatfield, Kayler, Vanessa Vela, and Tryce Prince. The Gender Roles in Christian Colleges.

Pantoja, Kevin. Millennials and entrepreneurship, who's really running the show?

Shudde, Rachael. Replicating Ariely: Are We All Cheaters?

Hunter Welcome Center Zone

C

11:45 to 12:45 – Lunch Buffet

5:30 to 6:30 – Awards Banquet and Dinner

Alumni Conference Room

Session 1: 9:30 to 10:50 AM

This session consists of oral presentations in Science, Technology, Engineering, and Math with topics related to chemistry & biochemistry.

Nix, Samuel. Synthesis of Novel TRPV1 Agonists.

Brehm, Kristen. A new water-soluble osmium cluster with four phosphine ligands.

Taylor, Julia. Friedel-Crafts Goes Green.

Archambeau, Ashley. Synthesis of Carboxylate-Bridged Osmium Dimers.

Zometa, Diego. The First Dodecanuclear Osmium Octahedron.

Alumni Conference Room

Session 2: 1:30 to 2:50 PM

This session consists of poster presentations on a variety of topics in Engineering & Physics.

Salinas, Roy and Haley Stien. Thermal Management Issues with PhotoMultiplier Tube Readout Electronics at Fermi National Accelerator Laboratory.

McNease, Shannon. Radiation Studies to Optimize Experiment 1039 Layout at Fermi National Accelerator Lab.

White, Nattapat. Improved Method for Detector Efficiency Measurements for Fermilab SeaQuest Experiment.

Towell, Cecily. Design and Construction of an Interaction Rate Monitor for Fermilab E1039.

Alumni Conference Room

Session 2: 3:00 to 4:20 PM

This session consists of poster presentations on a variety of topics in Engineering & Physics.

Hicks, Caleb. Temperature Stabilization of an Advanced Particle Detector.

Towell, Travis. NIFFTE Gas System Composition Monitoring.

Selensky, Lauren. Adaptive Optics Hardware.

McNease, Shannon. Theory and Setup of Scanning Electron Microscope.

LYNAY Classroom

Session 1: 9:30 to 10:50 AM

This session consists of oral presentations in the Arts & Humanities with topics related Biblical analysis.

Buller, Jacob. Blessed Assurance: Reinterpreting 1 John 2:12-14 as the Focal Point of 1 John.

Dukes, Jacob. Naming Others' Mistakes.

Jowers, Nathan. Eighteen Hundred Years Before His Time: Origen and Conjectural Emendation.

Owens, Logan. A Gospel of One's Own.

LYNAY Classroom

Session 2: 1:30 to 2:50 PM

This session consists of oral presentations on a variety of topics in Math.

Alvarado, Ana. Cancer Survival Analysis.

Banegas, Francisco. Demographics and Location in Fatal Car Crashes.

Shudde, Rachael. Predictors of Post College Success for ACU Students.

AT&T Theater

Session 1: 9:30 to 10:50 AM

This session consists of oral presentations in Engineering and Physics.

Tuyishimire, Olive. Baseline Ultrasonic Apparatus Design and Measurements for NEXT.

Byrd, Reuben. Acoustic Characterization Methods.

Carstens, Paul. Modeling of Acoustic Propagation Through Multilayered Media Using a Ray Tracing Method.

Talamas, Susan and Hannah Head. Distributed Drug Discovery: Solid Phase Combinatorial Synthesis of Acylated Natural and Unnatural Amino Acids.

Hicks, Caleb. Adaptive Optics Software.