Wofford College

STUDENT-FACULTY COLLABORATIVE FALL RESEARCH

Fall 2019
Elizabeth Blackhall ‘19 from Cartersville, Georgia, graduated with a degrees in environmental studies and German and a minor in international affairs. Blackhall worked with Telligman on a USDA grant to perform a Spartanburg County food system assessment. The purpose of the grant was to investigate the needs of the Upstate food system by surveying different stakeholder groups within the community. It was part of a three-county assessment. Blackhall is a first-year law student at the University of New Hampshire Franklin Pierce School of Law.

Reeves Goettee ‘20, an environmental studies and biology major from Summerville, South Carolina, conducted research on the state of the food system in Spartanburg County with the Spartanburg Food System Coalition. The food assessment and plan are ongoing, but by conducting surveys with local community partners, it has enabled the coalition to better understand practical actions that can be put into place to strengthen access to local and healthy food in the Upstate of South Carolina.

Ireland McGaughey ‘20 is an environmental studies and sociology and anthropology major from Savannah, Georgia. McGaughey worked with Telligman on a research project for the Spartanburg Food System Coalition. They gathered survey data and other information from a variety of people and organizations in the Upstate area with the goal of creating a plan to implement greater healthy and local food access in the Upstate of South Carolina. McGaughey is excited to see what the Spartanburg Food System Coalition can do to make a difference in the future.
Title: CPRIT CURE Program MD Anderson  
Student: Gabriel Mesa ’21

Title: Microbial Community Interactions at the University of Tennessee REU  
Student: Gus Collars ’20

Title: Antibiotic Resistance in Probiotics  
Students: Peyton Godwin ’21, Ethan DiBlasio ’21 and Marcus Stallings ’20  
Faculty Mentor: Dr. Tracie M. Ivy

Title: The Role of Complement in Bone Cell Differentiation  
Student: Andrew Reynolds ’21

Title: Identifying Genes in Algae Cells that Reside within Coral Cells  
Student: Joe Zavell ’20  
Faculty Mentor: Dr. Geoffrey C. Mitchell

Title: Pfizer Inc. Summer Student Worker Program  
Student: Austin D’Addario ’20

Title: Physical Limits of CRISPR-SpCAS9 specificity  
Student: Sam Padula ’20  
Supported by the Papadopoulos Scholarship
During her travels and research in the South American countries of Chile, Argentina, Uruguay and Peru, Estes attempted to uncover the visual representation of “la mujer” of the woman. “Siendo mujer” means “being a woman,” and this exhibition represented the conversations she shared with resilient, creative women for whom art plays a significant role in their female experience and vice versa. It was further a collection of their artwork and Estes’ photographs of these women, their spaces and moments that contribute to the story each is trying to tell through their work.
Title: Housing the Community or Tourists: Processes of Gentrification in Galveston Post-Hurricane Ike
Student: Hana Barazi ’20

Title: Memory and Stress in Negative Images, Related Neutral Images and Unrelated Neutral Images
Students: Jalen Carter ’20 and Maddie Schutte ’21
Faculty Mentor: Dr. Katherine R. Steinmetz

Title: Molecular Characterization of Secondary Organic Aerosol by Mass Spectrometry
Student: Savannah Talledo ’20

Title: Child Dietary Preferences: Understanding the Connection Between Cultural Awareness and Child Obesity Rate in Spartanburg, S.C.
Student: Laurel Lee ’20
Faculty Mentor: Dr. Laura H. Barbas Rhoden

Title: Ebola virus secreted glycoprotein (sGP) enhances maturation of dendritic cells
Student: Emily Moore ’21
Faculty Mentor: Dr. Stefanie H. Baker

Title: Back of the College
Student: Jara Dogan ’22
Faculty Mentor: Dr. Jim R. Neighbors

Title: Identifying Genes in Algae Cells that Reside within Coral Cells
Student: Joe Zavell ’20
Faculty Mentor: Dr. Geoffrey C. Mitchell

Title: A Poisson Regression Model of Zika Case Virus in Colombia as Grouped by Location
Student: Alexis Tomlin ’21
Faculty Mentor: Dr. Deidra A. Coleman
Title: Understanding Kindergarten Readiness Data: Qualitative Research Study of Forest Park and Highland Neighborhoods
Students: Mayra Lomeli-Garcia ‘21, Mariana Gonzalez ‘21, Sandra Lopez ‘21, Naya Taylor ‘21, Jay Stevens ‘21 and Hector Ortiz ‘22
Faculty Mentors: Dr. Christine S. Dinkins and Dr. Laura H. Barbas Rhoden

Title: Antibiotic Resistance in Probiotics
Student: Marcus Stallings ‘20
Faculty Mentor: Dr. Tracie M. Ivy
Title: Antibiotic Resistance in Probiotics
Students: Peyton Godwin ‘21, Ethan DiBlasio ‘21 and Marcus Stallings ‘20
Faculty Mentor: Dr. Tracie M. Ivy

Title: Out of School Time for Latinx Youth in Spartanburg, S.C.
Students: Sandra Lopez ‘21 and Hector Ortiz ‘22
Faculty Mentor: Dr. Laura H. Barbas Rhoden

Title: Ebola virus secreted glycoprotein (sGP) enhances maturation of dendritic cells
Student: Emily Moore ‘21
Faculty Mentor: Dr. Stefanie H. Baker

Title: Understanding Kindergarten Readiness Data – Forest Park
Student: Jay Stevens ‘21 and Mayra Lomeli-Garcia ‘21
Faculty Mentor: Dr. Christine S. Dinkins

Title: Understanding Kindergarten Readiness Data – Highlands
Student: Naya Taylor ‘21 and Mariana Gonzalez ‘21
Faculty Mentor: Dr. Christine S. Dinkins

Title: An Evolutionary Arms Race – Screening for anti-CRISPR factors in streptococcus thermophilus
Student: Raven Tucker ‘21

Title: Housing the Community or Tourists: Processes of Gentrification in Galveston Post-Hurricane Ike
Student: Hana Barazi ‘20

Title: Event Related Potential Study Discerning the Processing of Emotional and Neutral Stimuli
Students: Jalen Carter ‘20, Maddie Schutte ‘21, Jenna Vroman ‘20 and Haiden Lancaster ‘20
Faculty Mentor: Dr. Katherine R. Steinmetz
Title: Child Dietary Preferences: Understanding the Connection Between Cultural Awareness and Child Obesity Rate in Spartanburg, S.C.
Student: Laurel Lee ’20
Faculty Mentor: Dr. Laura H. Barbas Rhoden

Title: Surveillance and Patriarchy
Student: Anne Claire Minter ’22
Faculty Mentor: Dr. Kimberly A. Hall

Title: Molecular Characterization of Secondary Organic Aerosol by Mass Spectrometry
Student: Savannah Talledo ’20
Title: The Rationality of a Hidden God  
Student: Ben Karriker ‘20

Description: At first glance, the fields of economics and philosophy seem to be quite far apart. However, I will attempt to show how they can work in tandem to help us understand the implications of divine hiddenness. With regards to economics, Steven Brams’ belief game shows us that God has a dominant strategy to remain hidden and therefore one cannot ever know whether He actually exists because He will always remain hidden. On the other hand, J.L. Schellenberg argues that divine hiddenness justifies atheism, stating that God does not exist because evidence sufficient to form belief in His existence is absent. I will attempt to show how Brams weakens Schellenberg’s argument and provide insight into how he manages to do so.

Title: The Facticity of our Technological Demise  
Student: Josh Olmi ‘20

Description: This project looks at the view of human facticity, rather than human nature, and how our current amount of technology in the world affects our facticity through being conditioned by technology. The effects of technology must be understood, as technology’s effects lead to an incorrect view of our human facticity. Therefore, our incorrect view of human facticity and the effects of technology create a host of social issues and issues of government when it comes to dealing with these social issues in our society.

Title: Putting the “Bad” in Bad Faith: a Kantian Defense of Sartre  
Student: Carrie Ruff ‘20

Description: Sartre’s description of bad faith is more descriptive than persuasive, as it does not fully explain why bad faith is inherently bad other than merely to make life meaningful, and even this does not seem to answer the question of why a life without bad faith is one that is meaningful. However, Immanuel Kant’s moral theory of lying and deception can provide support to illuminate and clarify Sartre’s notion of bad faith. This presentation seeks to use Kant’s account of lying and deception to answer the question, “Why is bad faith bad?”
Title: Epistemology of Reduction: Epistemological Emergence  
Student: Dylan Welch ‘20

Description: Consciousness is often claimed to be a purely physical phenomenon. Under this assumption, it is reduced to physical and biological processes. What would such a reduction look like and what sort of workable information does this provide us regarding our understanding of conscious activity? The reduction of consciousness is a useful constitutive account, but it does not allow for us to predict conscious activity. This paper will focus on Jaegwon Kim’s formulation of what it means to reduce something. The application of this reduction to conscious activity will be shown to be unsatisfactory. Consciousness will then be identified as an unpredictable, epistemologically emergent phenomenon.

Title: Much Ado About Being  
Student: David Hickman ‘20

Description: “Does X exist?” is a common question in philosophy. The more fundamental question “What does ‘existence’ mean?” is ignored because we think that the answer is obvious. I examine two different theories about the nature of existence: ontological monism and ontological pluralism. Monism is the theory that there is only one way to be (to exist) and pluralism is the theory that there is more than one way to be. Pluralism is by far the minority view today. I defend pluralism from the criticisms that it is superfluous and metaphysically liberal.
Description: Often, we take for granted that the world is as we experience it. Our perceptions, memory and intuitions are all things we think can justify our beliefs. Is this warranted? Surely, we all can recall times when we misremembered some event or saw something incorrectly. For many philosophers, this problem can be solved simply by noting that this belief is justified, but to a limited extent. If we are later corrected about some mistake, this justification is defeated. But if we hold to the classical definition of knowledge as justified true belief, does this not make acquiring knowledge too easy? In my presentation, I will argue that our seemings do provide justification, but of a sort which is entirely distinct from knowledge.
ANTHROPOLOGY 305: BUILDING SUSTAINABLE COMMUNITIES PRESENTATIONS

Wednesday, Dec. 4, 2019
Organized by Dr. Alysa M. Handelsman, assistant professor of anthropology
Sponsored by the Romill Foundation

Title: Building Minds and Muscles: Curriculum Development at the Bridge on Green Street (K-5)
Student: Summer Cook ‘22

Title: Sex Education and Reproductive Health in Teen and Young Adult Women in Spartanburg
Students: Trinity Chapman ‘21 and Catherine Todd ‘22

Title: Spartanburg Opportunity Center – Engaging the Community through a Community Garden
Student: Ireland McGaughey ‘20

Title: Building Social Support: Connecting Immigrants to Available Resources in Spartanburg
Student: Olivia Free ‘21

Title: Intergenerational Conversations: Learning about the Northside Yesterday, Today and Tomorrow
Student: Kelly Bossert ‘20

Title: Be (You) tiful: Empowerment-Based Programming for First-Grade Girls at ARCH
Students: Ashlyn Fox ‘21 and Mariana Gonzalez ‘21

Title: Access to Special Needs Resources in Spartanburg
Student: Leila Shearer ‘20

Title: PASSION: Character Development and Leadership Building with Teenagers at the Northside Church
Students: Jaden Cox ‘21 and Abbey Winslow ‘20

Title: Effective Training Tools = Improved Health Outcomes and Information at AccessHealth
Student: Marisa Barrera ‘21
Title: CHEFS Club: Cooking, Nutrition, and Service at the Cleveland Academy of Leadership (4th-5th graders)
Students: John Bosco Bapoupeleh ‘20, Kealie Engels ‘20, Channing Houser ‘21 and Ashley Stewart ‘20

Title: Uplift Outreach Center: Connecting the Pieces
Student: Brandon Molina ‘22

Title: After-School Programming at Victoria Gardens: Assessing Community Needs, Interests, and Assets
Students: Alex Hill ‘21, Carlyle O’Herron ‘20 and Chloe Wanink ‘20

Title: Afrodite’s Girls: Female Empowerment Workshops with Teenage Girls at the Hope Center
Student: Parke Faison ‘21

Title: The Power of Inclusion: Disability ≠ No Ability
Students: A.C. Atha ‘21 and Elena Pulanco ‘21

Title: Financial Literacy in Spartanburg: Community-Based Workshops of Learning, Empowerment, and Equity
Students: Hana Barazi ‘20 and Myles Price ‘20

Title: King’s Club: Mentoring and Leadership at Cleveland Academy (5th grade boys)
Student: Jalen Carter ‘20
Title: Applying theories of human skill learning to acquisition in pigeons
Students: S.J. Grant ’20, Margaret Grossman ’20, Karson Haigler ’20 and Marshall Westbrook ’20
Faculty Mentor: Dr. Alliston K. Reid

Title: Ebola virus secreted glycoprotein (sGP) enhances maturation of dendritic cells
Student: Emily Moore ’21
Faculty Mentor: Dr. Stefanie H. Baker

Title: Should facility dogs assist adult victims of sexual assault in court?
Students: Morgan Faries ’20, Delacy Louise Rowland ’20, Maryelliot Hester ’20 and Leila Shearer ’20
Faculty Mentor: Dr. Dawn E. McQuiston
Interested in learning more about capstone projects and undergraduate research at Wofford College?

Please contact Dr. Ramón Galiñanes Jr., director of undergraduate research and post-graduate fellowships, at galinanesr@wofford.edu.