Honors Ambassadors are the face of the Elliott T. Bowers Honors College. They often meet with visiting regents, political representatives, or other dignitaries. During special Honors events, the Ambassadors play important roles as hosts and greeters, table leaders, or panel participants.

Being an Ambassador involves taking on certain responsibilities—the willingness to give up time, often in the evenings or weekends—in the interest of supporting Honors College events. Ambassadors need to be able to represent the college and the university well, both in deed and word. There are 20 ambassadors representing every class and every academic college at the University.
Sponsor Recognition

A Message from Our Faculty Advisor

A Message from Our Co-Chairs

About URS and the Elliott T. Bowers Honors College

Sessions:

A- Oral-Media-Panel Presentations

B- Oral-Media-Panel Presentation

C- Poster Presentation

All oral-media sessions will be held in the CHSS Building. The poster session will be held in the LSC.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location/Room</th>
</tr>
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<tr>
<td>8:00-8:45</td>
<td>Registration &amp; Breakfast</td>
<td>CHSS, First Floor</td>
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<tr>
<td>8:45-8:55</td>
<td>Welcome and Opening Remarks</td>
<td>CHSS, Room C070</td>
</tr>
<tr>
<td>9:00-10:20</td>
<td>Session A, Oral-Media Presentations</td>
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<tr>
<td>10:30-11:50</td>
<td>Session B, Oral-Media Presentations</td>
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<tr>
<td>12:00-1:15</td>
<td>Session C, Poster Session</td>
<td>LSC</td>
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<tr>
<td>1:30-3:30</td>
<td>Lunch, Closing, and Awards Ceremony</td>
<td>LSC Orange Ballroom</td>
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**All oral-media sessions will be held in the CHSS Building. The poster session will be held in the LSC.**
The Undergraduate Research Symposium
Is Sponsored By:
Elliott T. Bowers Honors College
The E.U.R.E.C.A. Center
Sam Houston State University

The URS especially thanks Dr. Hiranya Nath for his generous Assam Scholarship.
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Honors Council

Kimberly Bell--------------------------------------Dean, Honors College
Maria Botero Jaramillo---------------------------------Philosophy
Tamara Cook-----------------------------------------Biology
Brandy Doleshal-------------------------------------Mathematics
Hannah Gerber---------------------------------------Education
Jason Ingram----------------------------------------Criminal Justice
Praphul Joshi---------------------------------------Population Health
Barbara Kaminska-----------------------------------Art
Victoria Lantz---------------------------------------Theatre
Joyce McCauley-----------------------------------Education
Kenneth McIntyre-----------------------------------Political Science
Ashton Mouton-------------------------------------Business
Janet Mullings--------------------------------------Criminal Justice
Benjamin Park--------------------------------------History
Kevin Sweeny--------------------------------------Business
Jeffery Wozniak-----------------------------------Biology
Hannah Menendez----------------------------------Newton Gresham Library
Barna Abed el Satar--------------------------------Family & Consumer Science
A Message from our Faculty Advisor

Welcome to the Fifteenth Annual Undergraduate Research Symposium, hosted by the Ambassadors of the Elliott T. Bowers Honors College! This conference provides a professional environment in which student scholars can share their past, current, and ongoing research. Because national studies have shown that undergraduates who participate in research are better communicators and more effective leaders, the URS acts as a springboard for post-graduate success. Several of our past participants have gone on to experience inspiring professional endeavors which have had their foundation at this conference. For those faculty who have worked closely with their students during preparation for the URS, this accomplishment is a source of enormous gratification. The URS also underscores Sam Houston State University’s designation as an R2 institution, one which is dedicated to research.

These past two years forced great change. We were able to shift the last two symposiums to a virtual platform in order to continue our mission and our scholarship awards. I would like to acknowledge those Ambassador co-chairs without whom the virtual events could not have been successful: Lucero Nava, Sean Hamilton, Julissa Alvarez, Anubhav Thakur, and current President of the Ambassadors Olivia Heide. The current co-chairs Olivia Heide and Yadira Martinez have spent this past year hard at work organizing workshop sessions and practice sessions, encouraging participation, and making sure this live event marks a celebration of SHSU undergraduate research. Their passion for this event, their dedication to research, and their hard work stand as a hallmark for future Ambassador co-chairs. I thank them for their continuing support and guidance.

It is to the co-chairs’ credit that we have a new design and motto. Our former owl has been replaced by a maze, and our new motto reads: The intricate path to discovery begins with research. If you look closely at the image of the URS maze, you will recognize that there is one consistent path to the center, no matter how convoluted it might seem at first glance. Consider that this image represents both the research process as well as the attendant self-discovery within that process. Through research we not only question, discover, and create scholarship, but we also come to understand our own potential within scholarly communities. Symbolically we enter the maze, make the turns, and work our way to the center, to discovery.

These students are not the only ones who have dedicated themselves to furthering what is a nation-wide effort to promote undergraduate research. Others have been just as vigorous in their support, including faculty advisors who have helped students with their research, family and friends who have come to show their support, faculty and graduate student volunteers who have devoted their Saturday to giving presenters feedback, staff members who have been working overtime to ensure that everyone is fed, given gift bags, directed to the right rooms, and checked in properly. The Honors College, the Center for Enhancing Excellence in Research Experiences and Creative Activities (EURECA), and generous support from SHSU fund this event because promoting undergraduate research is powerful and affirming. We recognize and deeply appreciate their active support of this endeavor. Finally, we would like to thank Dr. Hiranya Nath, Professor of Economics, for his very generous Annual Assam Scholarship Award.

Today’s conference celebrates what is best about Sam Houston State University: our students, our commitment to excellence in active learning, and our dedication to undergraduate research.

Dr. Tracy Bilsing
Faculty Advisor, Co-Chairs and URS Faculty Committee Chair
Assistant Dean, Elliott T. Bowers Honors College
A Message from our Co-Chairs

We would like to welcome you to the 15th annual Undergraduate Research Symposium at Sam Houston State University and thank you for your interest and participation, helping us craft a growing experience into what it is today after an impactful year. The 14th annual Undergraduate Research Symposium brought many challenges due to the pandemic in which we learned to adapt inorder to be able to provide the experience you will witness today during such critical times. This year, our team is more than delighted to bring to you the first Undergraduate Research Symposium post pandemic. Fortunately, last years’ Co-chairs (Julissa Alvarez, Anubahv Thakur, and Olivia Heide) along with our fantastic advisor (Tracy Bilsing) were capable of overcoming such challenges faced during the pandemic. Through this we were able to host a virtual symposium and recognize all the hard work done by so many inquiring students. This year, our team (Co-chairs Olivia Heide and Yadira Dominguez and Faculty Advisor Tracy Bilsing) is more than delighted to bring to you the first Undergraduate Research Symposium post pandemic. The Undergraduate Research Symposium is one of the many ways that Bearkats are able to make their educational experience more valuable. The symposium allows students to enrich their minds with research, through conducting their own and asking important questions and/or experiencing the work of fellow peers. Along with the many other scholastic benefits, this professional conference serves as a wonderful tool in resume building, and experience in public speaking and presentations. Discussion of research is a wonderful way to engage the mind as a scholar, and it also offers students a unique opportunity to connect with like minded individuals and faculty networking. Fostering research has always been an aim within the Honors College here on campus, and we are happy to say that for 15 years we have been able to promote and grow the undergraduate research community here at SHSU. Above all, the undergraduate research symposium provides students with an unmatched sense of pride in their academic endeavors. The symposium acts as a stepping stone into a higher level of thinking and an entry point to a community centered around academic prosperity. The atmosphere of this event, and the mission behind it, is unforgettable as you can feel these students’ passion for their research being brought out and contributing to our world’s knowledge and discoveries. We encourage all of you, especially students, to continue asking questions and thinking critically. We like to say that whether it be as a first time or veteran presenter, an ambassador or volunteer, an advisor or faculty moderator, an administrator or supportive audience member, we all have an integral part to play in making this one-of-a-kind event a success. Thank you for your unique contribution to the 15th annual Undergraduate Research Symposium that we hope to see grow and continue for many years to come.
Honors Faculty and Staff

Dean
Associate Dean
Associate Dean
Assistant Dean
Administrative Coordinator
Administrative Associate II
Student Assistant
Student Assistant
Student Assistant
Student Assistant
Student Assistant. Terry Scholars
Student Assistant
Student Assistant, Program Designer

Kimberly Bell, Ph.D.
Maria Holmes, Ed.D.
Patrick Lewis, Ph.D.
Tracy Bilsing, Ph.D.
Connie Rodriguez
Abigail Roberson
Edward Agsunod
Jessica Bilsing
Haley Cook
Cecilia Hendrickson
Alexander Kinsel
Morgan Marsh
Ashlyn Uva
Huda Yousif

The Undergraduate Research Symposium
Faculty Committee

Dr. Tracy Bilsing
Dr. Lydia Fox
Dr. Maria Holmes
Dr. Patrick Lewis
Dr. Pamela Zelbst

Honors College Ambassadors

Olivia Heide- President
Arturo Aguero- Co-Vice President
Ashlyn Uva- Co-Vice President
Christie Padron- Secretary
Cecilia Hendrickson- Historian
Sydney Berenzweig
Haley Cook
Yadira Dominguez
Mishael Ennis
Alexis Gilbert
Lucy Hendrickson
Maria Hendrickson
Madeline Lee
Y Luong
Morgan Marsh
Marianne Mendoza
Sebastian Morales
Nicholas Polk
Amanda Rincon Morales
Chloe Rodrigues
Brian Lopez Romero
Alexander Salazar
Mariana Velandia
Taylor White
Session A
9:00 - 10:20

ROOM 232 Plants and Large Environments

**Tissue Analysis of Aquaponic Grown Lactuca sativa “Romaine” After Nutrient Supplementation in the Form of Calcium Hydroxide**

**Austin Holmes**
Faculty Advisor: Dr. Timmothy Pannuk

**Fire and Flood Hazards on the Big Island of Hawaii**

**Hailey Richardson**
Faculty Advisor: Dr. Ava Fujimoto-Strait

**Space vs The Environment**

**Brady Baker, Kayla Frietsch**
Faculty Advisor: Dr. Michael Demson

ROOM 242A EURECA FAST Panel

The purpose of the FAST Awards program is to encourage the participation of undergraduate students in discipline-specific scholarly or creative work. Each funded undergraduate team supports 1-3 students working together on a single scholarly or creative project under the mentoring of either one Sam Houston State University faculty member or an interdisciplinary team of 2 or more SHSU faculty members. The student teams in this panel will engage in a discussion, sharing their experiences provided through the grant.

**Kayley Neill, Danielle VanderKay**
Faculty Advisor: Dr. Basem Boutros

**Bailey Mills**
Faculty Advisor: Dr. Montse Feu

**Laura Bianchi**
Faculty Advisor: Dr. Maria Botero

ROOM 252 Focus on Self-Care

**Stress Survival Guide**

**Jennifer Benitez, Janneaha Woods**
Faculty Advisor: Dr. Adanna Alexander

**Burnout in Music Therapy Students**

**Taylor White**
Faculty Advisor: Dr. Carolyn Moore

**An Overview of Suicidality in American Teenagers**

**Joshua Crosby**
Faculty Advisor: Dr. Courtney Banks

**Effects of Lighting Design on Health**

**Daniel Gates**
Faculty Advisor: Dr. Terry Waugh
Session A
9:00 - 10:20

**ROOM 242B** Biological Actions and Reactions

*Predictive Distribution Modeling of Chrysodeixis chalcites (Tomato Looper)*

**Nicolas Galle**
Faculty Advisor: Dr. Christopher Randle

*Drosophila Tumor Model with Observable Muscle Wasting and Sarcomere Breakdown Starting with Myosin Heavy Chain Mislocalization*

**Ellen Thompson**
Faculty Advisor: Dr. Mardelle Atkins

*The Activity of the Yorkie/Scalloped Transcription Factor Complex Prevents Death of Cells With Defects in ATP Synthase*

**Felix Oppong-Adjei**
Faculty Advisor: Dr. Mardelle Atkins

**ROOM 226** Envisioning Prison

*Elizabeth Fry: A Quaker’s Mission to Radically Reform Prisons*

**Heather Davis**
Faculty Advisor: Dr. Michael Demson

*Prison House of Language: Analysis of Jordan Peele’s Get Out with reference to Frantz Fanon and Ian F. Haney Lopez*

**Kathleen Simmons**
Faculty Advisor: Dr. Michael Demson

*Alternative Consequences for Youth Crimes: An Analysis of Restorative Justice Practices for Youth in America*

**Meghan Koza**
Faculty Advisor: Dr. Stuti Kokkalera

**ROOM 220** Covid Continues

*Organizational Interventions to Reduce Physician during the COVID-19 Pandemic*

**Payton Schoolcraft**
Faculty Advisor: Dr. Stephen Brown

*COVID-19 and Labor Force Flows*

**Mackenzie Hesse**
Faculty Advisor: Dr. Raisa Sara

*SHSU Educator Preparation Program COVID-19 Response Study*

**Cherokee Ford**
Faculty Advisor: Matthew Fuller
Session B
10:30 - 11:50

ROOM 242A  The Human and The Animal

**Distinctions in Interpersonal Influence Tactics Between Psychopathic Personality Traits and the Big Five**
*Chloe Rodriguez*
Faculty Advisor: Dr. Adam Natoli, Dr. Jared Ruchensky

**The Effects of Abstinence-Only Sexual Education on Young Adolescents**
*Sydney Berenzweig*
Faculty Advisor: Dr. William Edgington

**The Species Headache**
*Jacob Davis*
Faculty Advisor: Dr. Maria Botero Jaramillo

**The Evolution of Morality in Non-Human Animals**
*Laura Bianchi*
Faculty Advisor: Dr. Maria Botero Jaramillo

ROOM 242B  The Body and its Discontents

**The Impact of Social Media on Dietary Behaviors and Body Image of College Students: A Qualitative Approach**
*Kayley Neill, Danielle VanderKayy*
Faculty Advisor: Dr. Basem Boutros

**Electroconvulsive Therapy and the Effects on 20th Century Women**
*Kailee Smith*
Faculty Advisor: Dr. Scottie Buhler

**Differences in the Association between Religiosity and Physical Health in College Students**
*Sterling Murray*
Faculty Advisor: Dr. Adam Natoli

**Hawkeye, Buckley and PTSD**
*Destiny Whitaker*
Faculty Advisor: Dr. Tracy Bilsing

ROOM 226  Safety and Sustainability

**Development of Augmented Reality Navigation Application for College Library**
*Louanne Mozer-Sallo*
Faculty Advisor: Dr. Ulan Dakeev

**Electrical Wiring and Design**
*Melanie Montejano, Jonovan Fountain, Cody Glass*
Faculty Advisor: Dr. Terry Waugh

**Sustainable Development and the Environmental Impacts on Building**
*Caden Whigham; Bailey Eikenhoff; Weston Dew; Daniel Moon*
Faculty Advisor: Dr. Terry Waugh
Session B
10:30 - 11:50

ROOM 220  Virus: Searching for Answers

The Impact of COVID-19 on Students’ Mental Health
Chukwunazaekpele Ejikeme
Faculty Advisor: Dr. Courtney Banks

The Untold Truth of HIV/AIDS
Kevin Manzano, Jr.
Faculty Advisor: Dr. TzeLi Hsu

Sex Six Feet Apart: How Coronavirus Changed Intimacy
Hema Iyer
Faculty Advisor: Dr. Audrey Petty

Zoomed Out and Mentally Logged Off: The Impact of Virtual Fatigue During COVID-19 on College Students’ Co-curricular Experiences
Clarisa Galindo
Faculty Advisor: Dr. Renee Gravois

ROOM 215  Great Chemistry!

Exploring the Reactivity of a Baeyer-Villiger Monooxygenase from Thermocrispum Municipal Expressed in E. coli
Alexus Ramirez-Wiggins
Faculty Advisor: Dr. Meagan Hinze

Expression of a Baeyer-Villiger Monooxygenase from Thermobifida fusca in E.coli and Analysis of Reactivity
Parker Bennett
Faculty Advisor: Dr. Meagan Hinze

Thermodynamic Studies of Dyes’ Adsorption of Magnetite-carbon Nano-onions Composites for Environmental Remediation Applications
Sandra Simmons
Faculty Advisor: Dr. Adrian Villalta-Cerdas

ROOM 232  Changing Ourselves

Analysis of Tinder from a Biological Perspective
Eydie Thilbert
Faculty Advisor: Dr. Maria Botero Jaramillo

CEO Humility and Inclusive Internal and External Environments
Jordan Jessop
Faculty Advisor: Dr. Tiffany Maldonado

Neuromarketing
Yadira Martinez
Faculty Advisor: Dr. Gary Payne

The Developing Perception of Tattoos in Professional Fields
Amanda Rincon Morales
Faculty Advisor: Dr. Aaron Lynne
**Session B**

**10:30 - 11:50**

**ROOM 252**  
**Race and Racism**

**Youth Racial and Ethnic Microaggression Experiences and Responses**  
**Skylar Clark, Gloria Moctezuma**  
Faculty Advisor: Dr. Courtney Banks

**Racial Bias and Systemic Racism in Healthcare**  
**Krystal Deochoa**  
Faculty Advisor: Dr. Krystal Deochoa

**Evolution of Protest and Resistance: Rooted in the Great Migration(s)**  
**Joyce Cuinisia**  
Faculty Advisor: Austin Dixon

**K-Dramas and Designated Survivor: Analyzing a Korean Remake**  
**Ayooluwa Bola**  
Faculty Advisor: Dr. Grant Wiedenfeld

**ROOM 210**  
**Handling Cultural Expectations**

**Parental Investment in Today's Society**  
**Emily Shands**  
Faculty Advisor: Dr. Maria Botero Jaramillo

**Machismo and Its Impact on Sex Education**  
**Valeria Flores**  
Faculty Advisor: Dr. Tracy Bilsing

**The Effects of DMSO in Dark-Aerobic Conditions on the Growth of Rhodobacter sphaeroides**  
**Lorenzo Baeza**  
Faculty Advisor: Dr. Madhusudan Choudhary

**Crisis in Paradigms**  
**Sarah McCourt**  
Faculty Advisor: Dr. Thomas Brommage

**Religion and Perfectionism**  
**Faith Little**  
Faculty Advisor: Dr. Adam Natoli
**Session C**

**12:00 - 1:15**

**ROOM 241A Agriculture**

*Biomass Production by Cover Crops in an Organic Cotton Production System*

*Seth Cardenas, Irene Salvador*

Faculty Advisor: Dr. Shyam Sivankutty Nair

*Chronic Wasting Disease and Its Relevance in the Agriculture Feed Market*

*Gabrielle Knotts*

Faculty Advisor: Dr. Philip Urso

*Does type of Fertilizer influence Methane and Nitrous Oxide Emissions from Agricultural Fields?*

*Trent Huff, Hayden Reeves, Joshua White, Holland Helton*

Faculty Advisor: Dr. Shyam Sivankutty Nair

*Effect of Cover Crop Biomass Application on Greenhouse Gas Emission from Organic Cotton System*

*Luke Wallace, Garrison Koehn, Taylor Pennington*

Faculty Advisor: Dr. Shyam Sivankutty Nair

*Effect of Cover Crops on Methane and Nitrous Oxide Emissions from Organic Cotton System*

*Emily Alvarado, Collin Kelly, Brady Harris*

Faculty Advisor: Dr. Shyam Sivankutty Nair

*Effect of Nitrogen Fertilizer and Compost on Carbon Dioxide Flux in Agricultural Fields*

*Ashley Sherrod, Ella Barch*

Faculty Advisor: Dr. Shyam Sivankutty Nair

*Impact of Cover Crops on Carbon Dioxide Flux in Organic Cotton System*

*Brady Gully, Braden Kram, Mathison Merecka*

Faculty Advisor: Dr. Shyam Sivankutty Nair

*Impact of Cover Crops on Soil Aggregate Stability*

*Jasmine Moynahan*

Faculty Advisor: Dr. Shyam Sivankutty Nair

*Influence of Cover Crops on Soil Respiration in Agricultural Fields*

*Ethan Hammit*

Faculty Advisor: Dr. Shyam Sivankutty Nair

**ROOM 241A Biological Sciences & Chemistry**

*Adsorption isotherms, kinetic, and thermodynamic studies of magnetite-charcoal: linearized and non-linearized modeling of experimental data in general chemistry*

*Raul Zablah Vasquez*

Faculty Advisor: Dr. Adrian Villalta-Cerdas

*Chemical composition of copper-tin-aluminum alloys from a system of three equations in three variables via non-destructive sample analysis*

*Ariel Van-Sertima*

Faculty Advisor: Dr. Adrian Villalta-Cerdas

*COVID-19 in Various Body Organs*

*Taylor White*

Faculty Advisor: Dr. Juan Daza
Enzyme Purification and Catalytic Expression of Cycloalkanone Monooxygenase (CAMO) from Cylindrocarpon radicicola
Nicole Wicmandy
Faculty Advisor: Dr. Meagan Hinze

FoxO Activation Status in Cachexic Muscles of a Drosophila melanogaster Tumor Model
Grace Stegemoller
Faculty Advisor: Dr. Mardelle Atkins

Investigating the Effect of Microgravity on Growth Characteristics and Element Accumulation in Rhodobacter sphaeroides for Bionanoparticle Synthesis
Sabrina Vasquez
Faculty Advisor: Dr. Madhusdan Choudhary

Isolation and Characterization of Exosomes Secreted by Triple Negative Breast Cancer Cells
Nia Harris
Faculty Advisor: Dr. Umesh Sankpal

Morphometric Characterization of a Hybrid Gecko from Puerto Rico
Olivia Heide
Faculty Advisor: Dr. Juan D. Daza

Stream flow drives organic matter dynamics in Harmon Creek
Danielle Grabert, Marlyn Hernandez
Faculty Advisor: Dr. Amber Ulseth

Synthesis of substrates and standards to probe Baeyer-Villiger Monooxygenase reactivity
Michael Lara
Faculty Advisor: Dr. Meagan Hinze

The notochord canal in the tokay gecko (Gekko gecko: Gekkonidae: Squamata)
Caeli Richard
Faculty Advisor: Dr. Juan Daza

Why Is my Corgi Short? – An investigation into the genetics of canine dwarfism
Brooke Chippi
Faculty Advisor: Dr. Mardelle Atkins

ROOM 241A Business, Mathematics, & Engineering Technology

Harnessing IOT Technology for the development of wearable contact tracing solutions
Rex Acharya, Louanne Mozer-Sallo
Faculty Advisor: Dr. Rasheed Amar

Development of Virtual Reality Robotics Laboratory Simulation
Lain Sowell
Faculty Advisor: Dr. Ulan Dakeev

Fire protection in buildings
Oskar Garcia
Faculty Advisor: Dr. Terry Waugh

Fire Safety In Buildings
Mitchell Hargraves, David Edwards
Faculty Advisor: Dr. Terry Waugh
A Look at the Causes of Recidivism and Exploring Potential Solutions  
Ashley Dingler  
Faculty Advisor: Dr. Xavier Serna

Comparing Serial Killers Using the Five Factor Model of Personality  
Madeline Lee  
Faculty Advisor: Dr. Laura Drislane

Differentiating Unburned Smokeless Powders through Visual and Chemical Analysis  
Daniel Do  
Faculty Advisor: Dr. J. Tyler Davidson

Evaluation of mGluR 2/3 Receptor Agonist LY404039 for Anxiolytic Effects  
Gwendolyn Wright  
Faculty Advisor: Dr. Stephen White

Evaluation of the mGluR5 Antagonist 2-methyl-6(phenylethynyl)-pyridine (MPEP) for Antidepressant Effects in an Avian Model of Treatment-Resistant Depression  
Sequioa Smith  
Faculty Advisor: Dr. Stephen White

I believed that it was normal  
Makiya Owens  
Faculty Advisor: Dr. Owens

Masking deception in the COVID-19 pandemic  
Adriana Lopez  
Faculty Advisor: Dr. Daniella Cash

Negative Affect and Observation Mindfulness Associated with Skin Picking  
Carrie Devlin  
Faculty Advisor: Dr. Chelsea Ratcliff

Perceived stress, disinhibition, and alcohol use among college students  
John Cromb  
Faculty Advisor: Dr. Chelsea Ratcliff

The History and Stigmatization of Borderline Personality Disorder and Evaluation of Symptomology in Relation to Everyday Interactions  
Sarah Weeks  
Faculty Advisor: Dr. Jaime Anderson

Traumatic Experience and Variability in DSM-5 PTSD Diagnostic Clusters  
Tyler Barnes  
Faculty Advisor: Dr. Tyler Matthew Barnes
Fire Prevention in Commercial Buildings  
Manuel Calzada, Dylan Gates, Tristan Waggoner, Christian Frohne  
Faculty Advisor: Dr. Terry Waugh

The Possibilities are Endless (Except When They’re Not): The Evolution of Character Creation in Dungeons & Dragons  
Zachary Adams, Ashlyn Uva  
Faculty Advisor: Dr. Nicolas Lantz Dr. Victoria Lantz

Evolution of Protest and Resistance: Rooted in the Great Migration(s)  
Cuinisia Joyce  
Faculty Advisor: Dr. Austin Dixon

Pride’s Paltry Feast; in Sir Gawain and The Green Knight  
Paige Nelson  
Faculty Advisor: Dr. Kimberly Bell

Grade 3 Acromioclavicular Sprains: Surgical or Conservative Intervention Effects on ROM  
Matthew Lord  
Faculty Advisor: Dr. Mary Williams

The Effects of Body Posture on Cardiopulmonary Restoration During Immediate Recovery After Submaximal Exercise  
Emily Telg, Kyndal Kutac, Emma Ritzberger  
Faculty Advisor: Dr. Patrick Davis

Using functional hop tests following ACL reconstruction to make return to participation decisions: A Literature Review  
Ally McKendree  
Faculty Advisor: Dr. Mary Williams
The Honors College Ambassadors would like to thank our faculty moderators for taking the time to share their expertise with our student scholars.

Hiranya Nath
Anna Miromanova
Madhu Choudhary
Stuti Kokkalera
Tracy Bilsing
Bram Sebio-Brundage
Matthew Griffin
Bob Anderson
Carlos Barron
Raisa Sara
Stephanie Baker
Shyam Nair
Thomas Meagher
Javior Ramos
Montse Feu

Rachel Lambert
Basem Boutros
Thomas Brommage
J. Tyler Davidson
Lee Courtney
Barbara Kaminska
The intricate path to discovery begins with research.