UNIVERSITY of WEST FLORIDA

STUDENT SCHOLARS SYMPOSIUM
AND FACULTY RESEARCH SHOWCASE

2019 Event Program
We gratefully acknowledge the faculty who review proposals and serve on the advisory board for the Office of Undergraduate Research. We also gratefully acknowledge the students, faculty, and staff who have contributed to the organization and have volunteered their time to hosting this symposium.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Page</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>P. 4</td>
<td>Scholars Symposium Schedule of Events</td>
</tr>
<tr>
<td>P. 6</td>
<td>Map of Poster Venues</td>
</tr>
<tr>
<td>P. 8</td>
<td>Oral Presentations</td>
</tr>
<tr>
<td>P. 10</td>
<td>Morning Poster Session</td>
</tr>
<tr>
<td>P. 14</td>
<td>Administration and Leadership Biology</td>
</tr>
<tr>
<td>P. 16</td>
<td>Computer Science</td>
</tr>
<tr>
<td>P. 17</td>
<td>Earth and Environmental Science</td>
</tr>
<tr>
<td>P. 19</td>
<td>Afternoon Poster Session</td>
</tr>
<tr>
<td>P. 19</td>
<td>Art</td>
</tr>
<tr>
<td>P. 20</td>
<td>Athletic Training</td>
</tr>
<tr>
<td>P. 21</td>
<td>Communication Arts Comprehensive Marketing English and Journalism Exercise Science</td>
</tr>
<tr>
<td>P. 22</td>
<td>Government Graphic Design Health Sciences and Administration History</td>
</tr>
<tr>
<td>P. 24</td>
<td>Kugelman Honors Program</td>
</tr>
<tr>
<td>P. 26</td>
<td>Movement Science and Health Nursing Philosophy</td>
</tr>
<tr>
<td>P. 27</td>
<td>Psychology</td>
</tr>
<tr>
<td>P. 29</td>
<td>Public Health Public History Theatre</td>
</tr>
<tr>
<td>P. 30</td>
<td>High Impact Practice Showcase</td>
</tr>
<tr>
<td>P. 30</td>
<td>Engineering Showcase Chemistry</td>
</tr>
<tr>
<td>P. 31</td>
<td>Computer Science Electrical and Computer Engineering Mechanical Engineering</td>
</tr>
<tr>
<td>P. 32</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>P. 33</td>
<td>Wall Poetry As A Community Beautification Project</td>
</tr>
<tr>
<td>P. 34</td>
<td>Other Special Sessions Controversial Conquests: War, Sex and Cannibalism in the Spanish Empire AT-Talks John Milton and the Resistance to Temptation The Passions of John Milton Evaluating the Quality and Accessibility of Public Beaches Music Concertos New Directions in History of Art: The Visual Turn Native American Women's Poetics #1 Native American Women's Poetics #2 Native American Women's Poetics #3 Music Lecture Recitals Student Presentations Seam in Action: Students' Reflections on the Value of Multidisciplinarity Earth &amp; Environmental Science Senior Seminar</td>
</tr>
<tr>
<td>P. 41</td>
<td>Author &amp; Faculty Index</td>
</tr>
</tbody>
</table>
### SCHEDULE AT A GLANCE

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00AM-4:00PM</td>
<td>Registration &amp; Check-in; Volunteer Check-In; Extra-Credit Sign-In</td>
<td>Auditorium, University Commons Building (Bldg 22)</td>
</tr>
<tr>
<td>9:15AM-2:00PM</td>
<td>Oral Presentation Sessions I-III</td>
<td>Nautilus Chamber, University Commons Building (Bldg. 22)</td>
</tr>
<tr>
<td>12:30PM-2:00PM</td>
<td>Oral Presentation Session IV</td>
<td>Conference Room B, University Commons Building (Bldg. 22)</td>
</tr>
<tr>
<td>10:00AM-2:00PM</td>
<td>Office of Undergraduate Research Special Panel Discussions</td>
<td>*Specifically designed for students not already engaged in research or those who are but have not yet received funding from OUR 1st Floor, Pace Library (Bldg 32)</td>
</tr>
<tr>
<td>9:00AM-4:00PM</td>
<td>Special Sessions (incl. Panel Discussions, ePortfolios, etc.)</td>
<td>Various Locations - University Commons and Conference Center (Bldg. 22)</td>
</tr>
<tr>
<td>9:00AM-4:00PM</td>
<td>Visual Art Exhibit</td>
<td>Conference Center Lounge (Bldg. 22)</td>
</tr>
<tr>
<td>10:00AM-12:00PM</td>
<td>Poster Session (HMCE and CEPS)</td>
<td>Great Hall, University Commons Building (Bldg. 22) - poster #s 1-64 2ND Floor, Pace Library (Bldg 32) - poster #s 65-148</td>
</tr>
<tr>
<td>10:00AM-12:00PM</td>
<td>Engineering Showcase</td>
<td>Cannon Green</td>
</tr>
<tr>
<td>10:00AM-3:30PM</td>
<td>Music Hall Performances</td>
<td>Center for Fine &amp; Performing Arts (Bldg. 82)</td>
</tr>
<tr>
<td>10:00AM-8:00PM</td>
<td>Visual Art Exhibitions</td>
<td>Center for Fine &amp; Performing Arts (Bldg. 82)</td>
</tr>
<tr>
<td>11:15AM-1:00PM</td>
<td>Lunch</td>
<td>All student presenters and faculty mentors welcome Upstairs Lobby, Conference Center (Bldg 22)</td>
</tr>
<tr>
<td>1:00PM-3:00PM</td>
<td>Poster Session (UKCOH, CASSH, and COB)</td>
<td>Great Hall, University Commons Building (Bldg. 22) - poster #s 1-64 2ND Floor, Pace Library (Bldg 32) - poster #s 65-148</td>
</tr>
<tr>
<td>1:00PM-3:00PM</td>
<td>Wall Poetry Feasibility Study</td>
<td>Cannon Green</td>
</tr>
</tbody>
</table>
SCHEDULE OF EVENTS

MORNING MAIN POSTER SESSION 10:00am – NOON
Hal Marcus College of Science & Engineering
College of Education & Professional Studies
Great Hall, Commons Building (Bldg 22) – poster #s 1-64
2nd Floor, Pace Library (Bldg 32) – poster #s 65-148
9:30-10:00am Poster Setup
10:00am-noon Main Poster Session (101 poster presentations)
Noon-12:25pm Remove Posters

AFTERNOON MAIN POSTER SESSION 1:00pm – 3:00pm
Usha Kundu, MD College of Health
College of Arts, Social Sciences, and Humanities
College of Business
Great Hall, Commons Building (Bldg 22) – poster #s 1-64
2nd Floor, Pace Library (Bldg 32) – poster #s 65-148
12:30pm-1:00pm Poster Setup
1:00pm-3:00pm Main Poster Session (134 poster presentations)
3:00pm-3:30pm Remove Posters

AUDITORIUM 9:00am – 4:00pm
9:00am-2:00pm Registration & Check-In of Presenters
Volunteer Check-In
Extra Credit Sign-In
9:00am-4:00pm High Impact Practice (HIP) Showcase Displays
9:30-11:00am Co-Op Student Presentations
(Faculty mentor: Sarah Fox)
9:00am-4:00pm STEAM in Action: Students’ Reflections on the Value of Multidisciplinarity
3:00-4:00pm Discussion Panel & Presentations
Interdisciplinary Undergraduate Student Research
(Faculty mentor: Marie-Therese Champagne)

CONFERENCE ROOM A 9:00am – 4:00pm
9:00am-2:00pm Beach Access Project
Kugelman Honors Program Undergraduate Student Project Displays
(10:00am-12:00pm Presentations)
(Faculty mentor: Jocelyn Evans)
3:00-4:00pm Earth & Environmental Science Senior Seminar
Undergraduate Poster Session (17 presentations)
(Faculty mentor: Chasidy Hobbs)

11:00am-12:30pm Oral Presentation Session II (5 presentations)
Session II presenters arrive at presentation room 10:45-10:55am
1:00-2:00pm Oral Presentation Session III (4 presentations)
Session III presenters arrive at presentation room 12:45-12:55pm

NAUTILUS CHAMBER 9:00am – 2:00pm
9:35-10:30am Oral Presentations Session I (5 presentations)
Session I presenters arrive at presentation room 9:00-9:10am
3:00-4:00pm Earth & Environmental Science Senior Seminar
Undergraduate Poster Session (17 presentations)
(Faculty mentor: Chasidy Hobbs)
CONFERENCE ROOM B 9:00am – 2:00pm

9:00am-12:00pm  At-Talks
Undergraduate Student Oral Presentations in Athletic Training
Faculty mentor: Chris Dake

12:30-2:00pm  Oral Presentation Session IV (6 presentations)
Session IV presenters arrive at presentation room 12:15-12:25pm

CONFERENCE ROOM C 9:00am – 3:00pm

9:00-10:00am  John Milton and the Resistance to Temptation
Student Research Discussion Panel
Faculty mentor: Katherine Romack

10:00-11:00am  The Passions of John Milton
Student Research Discussion Panel
Faculty mentor: Katherine Romack

12:00-1:00pm  Native American Women’s Poetics #1
Undergraduate Student Research Discussion Panel
Faculty mentor: Nicholas Mohlmann

1:00-2:00pm  Native American Women’s Poetics #2
Undergraduate Student Research Discussion Panel
Faculty mentor: Nicholas Mohlmann

2:00-3:00pm  Native American Women’s Poetics #3
Undergraduate Student Research Discussion Panel
Faculty mentor: Nicholas Mohlmann

CONFERENCE CENTER LOUNGE 9:00am – 4:00pm

9:00am-4:00pm  Visual Art Installation Displays
(Presentations 2pm-4pm)

Visual Art and STEAM Displays
Faculty mentor: Thomas Asmuth

Graphic Design Displays
Faculty mentors: Joseph Herring & Amy Ruddick

CANNON GREEN 10:00am–3:00pm

10:00am-noon  Engineering Project Showcase
Undergraduate Student Design Displays
Faculty mentors: John Ireton and Mohamed Khabou

1:00-3:00pm  Wall Poetry Feasibility Study
Kugelman Honors Program Project Displays & Discussion
Faculty mentor: Jocelyn Evans

ROOM 272 9:00am–3:00pm

9:00-11:00am  Controversial Conquests: War, Sex, and Cannibalism in the Spanish Empire
Graduate Student Research Panel Discussion
Faculty mentor: Erin Stone

12:00-3:00pm  New Directions in History of Art: The Visual Turn
Undergraduate Student Oral Presentations in Art History Methods
Faculty mentor: Justin Sturgeon

CENTER FOR FINE AND PERFORMING ARTS (BLDG 82)

MUSIC HALL 10:00am–3:30pm

10:00am-1:00pm  Concertos – Various Student & Faculty Presentations

2:00-3:30pm  Lecture Recitals – Various Student & Faculty Presentations
Faculty moderator: Sheila Dunn

CENTER FOR FINE AND PERFORMING ARTS (BLDG 82)

THE ART GALLERY (TAG) & ART WING 10:00am–8:00pm

10:00am-8:00pm  SynThesis, a Group BFA Exit Exhibition
Reception & Undergraduate Student Artist Presentations
Faculty moderator: Nick Croghan

OFFICE OF UNDERGRADUATE RESEARCH

ROUNDTABLE DISCUSSIONS

PACE LIBRARY (BLDG 32) – 1ST FLOOR

Join us for these low-key discussions; they are great for students who are not yet engaged in research or who have not yet received funding for their research from OUR.

10:00-10:45am  Dive Deep into Research: Exploring Research Opportunities in Non-Science Disciplines

Noon-12:45pm  Writing a Great Project Proposal: How to Write the Ideal Proposal to Get Your OUR Project Award Funded Academic Conferences 101: What They Are, Why Go, and How to Make the Most of Attending and Presenting

Faculty moderator: Nick Croghan
POSTER PRESENTATIONS MAP

COMMONS BUILDING - GREAT HALL

795 Undergraduate, Graduate and Faculty Authors
32 Departments
ORAL PRESENTATIONS

SESSION I (9:15-10:30AM)
NAUTILUS CHAMBER (ROOM 255), COMMONS (BLDG 22)

COB Elevator Pitch Winner - TBA
9:15 AM, Nautilus Chamber

Laura T Kirby
9:30 AM, Nautilus Chamber
Connections
Faculty Mentor(s): Kurt Wise
Department: Center for Entrepreneurship
Faculty
Funding or other research support: SURP, Center for Entrepreneurship

Logan Mullins
9:45 AM, Nautilus Chamber
When the magic's gone: A content analysis of The Walt Disney Company's crisis communications efforts
Faculty Mentor(s): Kelly Carr
Department: Communication
Undergraduate Student
Funding or other research support: SURP

Olivia A Drouillard
10:00 AM, Nautilus Chamber
Revolutionary Gender: Deborah Sampson Gannett and the Publick Universal Friend
Faculty Mentor(s): Nicholas Mohlmann
Department: English and Music Education
Undergraduate Student
Funding or other research support: SURP

Dakota Parks
10:15 AM, Nautilus Chamber
Disillusionment and Ideology in The Reluctant Fundamentalist
Faculty Mentor(s): Robin Blyn
Department: English: Creative Writing
Undergraduate Student
Funding or other research support:

SESSION II (11:00AM-12:30PM)
NAUTILUS CHAMBER (ROOM 255), COMMONS (BLDG 22)

Madeleine Hutchison
11:00 AM, Nautilus Chamber
The Revolution Will Be Televised: The Politics of Spectacle in Tropic of Orange
Faculty Mentor(s): Robin Blyn
Department: English-Creative Writing
Undergraduate Student
Funding or other research support: SURP

Kristy Davis
11:15 AM, Nautilus Chamber
Gravitational Waves
Faculty Mentor(s): Jim Jipson
Department: Studio Art
Undergraduate Student
Funding or other research support: OUR, Honors, NCUR 2019

Bethany Ryan
11:30 AM, Nautilus Chamber
The Wanting and the Having: Breaking Free from the Fast Fashion Machine
Faculty Mentor(s): Carrie Fonder
Department: Studio Art
Undergraduate Student
Funding or other research support: OUR, NCUR 2019

Garwin Ho
11:45 AM, Nautilus Chamber
Evaluating the Impact of the 5210 Social Marketing Campaign on Community Awareness and Behavior
Co-Author(s): Kimberly Pace, Denice Curtis, Justice Mbizo, John Lanza
Faculty Mentor(s): Denice Curtis, Justice Mbizo, John Lanza
Department: Master's in Public Health
Masters Student
Funding or other research support:

Mizanoor Rahman
12:00 PM, Nautilus Chamber
Robotics and intelligent systems for manufacturing, healthcare, social services, field operations and K-16 STEM education: Scope and opportunities for undergraduate research
Department: Intelligent Systems and Robotics
Faculty
Funding or other research support:
**SESSION III (1:00-2:00PM)**
**NAUTILUS CHAMBER (ROOM 255)**
**COMMONS (BLDG 22)**

- **Stephen Cook** 1:00 PM, Nautilus Chamber
  *Exploring the Use of the Big Bang Theory in ESL Teaching*
  Faculty Mentor(s): Mark Malisa
  Department: Curriculum & Instruction Ed.D.
  Doctoral Student
  Funding or other research support: SURP

- **Tadlee J Welty** 1:15 PM, Nautilus Chamber
  *Practicing Linguistic Strategies on an English Learning Avatar*
  Co-Author(s): Marya Shone
  Faculty Mentor(s): Shim Lew, John Pecore
  Department: Teacher Education and Educational Leadership
  Doctoral Student
  Funding or other research support: UWF ITEP grant

- **Chloe Diehl** 1:30 PM, Nautilus Chamber
  *The ABCs of Supervising Employees With Autism: Efficacy of Applied Behavior Analysis Therapy Training in an Income-Constrained Business Setting*
  Faculty Mentor(s): Fredrick Baker
  Department: Workforce and Program Development
  Undergraduate Student
  Funding or other research support: 

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**SESSION IV (12:30-2:00PM)**
**CONFERENCE ROOM B**
**CONFERENCE CENTER (BLDG 22)**

- **Melissa Nichols** 12:45 PM, Conference Room B
  *Secure Data Acquisition and Transfer for the Internet of Things*
  Faculty Mentor(s): Amitabhi Mishra
  Department: Cybersecurity
  Undergraduate Student
  Funding or other research support: OUR, NCUR 2019,

- **Daniel Tancredi Amorim** 1:00 PM, Conference Room B
  *IoT Smart Traffic Lights*
  Co-Author(s): Chandra Prayaga
  Faculty Mentor(s): Lakshmi Prayaga, Chandra Prayaga
  Department: Information Technology
  Undergraduate Student
  Funding or other research support: Honors

- **Elizabeth Barrett** 1:15 PM, Conference Room B
  *Exploring spatial and ideological variation in town hall meetings across the United States*
  Faculty Mentor(s): Derek Morgan, Jocelyn Evans
  Department: Earth and Environmental Sciences
  Undergraduate Student
  Funding or other research support: OUR, Honors, OUR Travel Award, SGA A&S Committee

- **Yanyan Liu** 1:30 PM, Conference Room B
  *Prediction of soil heavy metal concentration using a random forest machine learning algorithm*
  Co-Author(s): Liu Yanyan, Zhiyong Hu, Johan Liebens
  Faculty Mentor(s): Zhiyong Hu, Johan Liebens
  Department: Earth and Environmental Science
  Masters Student
  Funding or other research support: SURP

- **Jared White** 1:45 PM, Conference Room B
  *The North Atlantic Subtropical High: Late-20th Century Variability and U.S. Rainfall Influence*
  Co-Author(s): Allynn Burns, Anthony Oakafor, Dallas Snider
  Faculty Mentor(s): Jason Ortegren
  Department: Environmental science
  Undergraduate Student
  Funding or other research support: OUR, Honors
MORNING PRESENTATIONS

MORNING POSTER PRESENTATIONS

SESSION I (10:00AM–12:00PM)
GREAT HALL, COMMONS (BLDG 22) & 2ND FLOOR LIBRARY
HAL MARCUS COLLEGE OF SCIENCE & ENGINEERING
COLLEGE OF EDUCATION & PROFESSIONAL STUDIES

Organized by Department, then by Poster Number Time, Poster #, Location

**Administration and Leadership**

Clement Yeboah 10:00AM–Noon, Poster # 1, Great Hall
The Effect of In-Service Training on University of Ghana Employees Performance
Department: Administration and Leadership
Doctoral Student
Funding or other research support:

**Biology**

Olivia Stanhope 10:00AM–Noon, Poster # 65, 2nd Floor Library
Transgenic Zebrafish With Overexpressed Genes to Promote Retinal Repair
Faculty Mentor(s): Scott Taylor
Department: Biology
Undergraduate Student
Funding or other research support: OUR FYRE

Jamie Martinez 10:00AM–Noon, Poster # 66, 2nd Floor Library
Bacteriophage Hunting
Co-Author(s): Cassidy Paige, Andrew Brown
Faculty Mentor(s): Hui-Min Chung
Department: Biology
Undergraduate Student
Funding or other research support: OUR

Melissa Hebert 10:00AM–Noon, Poster # 67, 2nd Floor Library
Environmental DNA metabarcoding to characterize elasmobranchs in the Pensacola Bay System
Faculty Mentor(s): Alexis Janosik
Department: Biology
Masters Student
Funding or other research support:

Kelsey Hope 10:00AM–Noon, Poster # 68, 2nd Floor Library
The Influence of Environmental Factors on the Abundance and Composition of Vibrio vulnificus within Bacteria Communities of a Subtropical Coastal Estuary
Co-Author(s): Leila Harris, Mark Prousalis
Faculty Mentor(s): Lisa Waidner
Department: Biology
Undergraduate Student
Funding or other research support: OUR Project Awards

Jenna King 10:00AM–Noon, Poster # 69, 2nd Floor Library
Using environmental DNA and metabarcoding to investigate population genetic characteristics of Alabama Sturgeon, Scaphirhynchus tuttkusi, in the Alabama River system
Faculty Mentor(s): Alexis Janosik
Department: Biology
Masters Student
Funding or other research support:

Verdion Martina 10:00AM–Noon, Poster # 70, 2nd Floor Library
The role of HSP90 in regulating photoreceptor regeneration in the injured zebrafish retina
Faculty Mentor(s): Scott Taylor
Department: Biology
Undergraduate Student
Funding or other research support: OUR, Honors, OUR Project Awards, NCUR 2019, OUR Travel Award

Joshua Mishoe 10:00AM–Noon, Poster # 71, 2nd Floor Library
The Impact of Microplastics on Donax variabilis
Co-Author(s): Freedom Green
Faculty Mentor(s): Hui-Min Chung
Department: Biology
Masters Student
Funding or other research support: OUR Project Awards

Jack Prior 10:00AM–Noon, Poster # 72, 2nd Floor Library
An Exploration of the Epigenetic Effects of Microplastics Exposure on the Common Mysid Shrimp, Americamysis bahia
Faculty Mentor(s): Alexis Janosik
Department: Biology
Masters Student
Funding or other research support: HMCSE Graduate Research Grant

Hans Schroeder 10:00AM–Noon, Poster # 73, 2nd Floor Library
Characterization of calpains in Donax variabilis as a bioindicator of microplastics in the Gulf of Mexico
Faculty Mentor(s): Peter Cavnar
Department: Biology
Masters Student
Funding or other research support: HMCSE Grad Grant, OUR Works!
Isabelle Strohl 10:00AM–Noon, Poster # 74, 2nd Floor Library
The Effects of CBD Powder on hsp70
Co-Author(s): Caitlyn Waters, Jazmyn Singh, Rhianna Dalton
Faculty Mentor(s): Scott Taylor
Department: Biology
Undergraduate Student
Funding or other research support: SURP

Sheridan Wilkinson 10:00AM–Noon, Poster # 75, 2nd Floor Library
Investigating the Epigenetic Effects of Microplastic Exposure in Little Skates (Leucoraja erinacea) and Bluegills (Lepomis macrochirus) using methylRAD
Faculty Mentor(s): Alexis Janosik
Department: Biology
Masters Student
Funding or other research support: HMCSE Graduate Research Grant

Jazmyn Singh 10:00AM–Noon, Poster # 76, 2nd Floor Library
The role of Basigin in the development and regeneration of retinal neurons
Faculty Mentor(s): Scott Taylor
Department: Biology
Undergraduate Student
Funding or other research support: OUR Project Awards

Diane Hall 10:00AM–Noon, Poster # 77, 2nd Floor Library
Effects of Ginger on the CXCR1 Gene Expression
Co-Author(s): Chloe File, Cristina Black, Sarah Green
Faculty Mentor(s): Scott Taylor
Department: Biology
Undergraduate Student
Funding or other research support: QEP

Sam Alvarado 10:00AM–Noon, Poster # 78, 2nd Floor Library
Further Characterization of Phage Argie
Faculty Mentor(s): Hui-Min Chung
Department: Biology
Undergraduate Student
Funding or other research support: OUR, Honors, OUR Project Awards, OUR Travel Award

Niccole Auld 10:00AM–Noon, Poster # 79, 2nd Floor Library
Characterization of anti-cancer properties of Thiophene and Selenophene Compounds
Co-Author(s): Tanay Kesharwani
Faculty Mentor(s): Peter Cavnar
Department: Biology
Undergraduate Student
Funding or other research support: OUR Project Awards

Anna Colley 10:00AM–Noon, Poster # 80, 2nd Floor Library
SYTOX Green Staining of PLB-985 Cells treated with Atypical Anti-Psychotic Drugs
Faculty Mentor(s): Peter Cavnar
Department: Biology
Undergraduate Student
Funding or other research support: OUR Project Awards, NCUR 2019

Yanitzia De La Cruz 10:00AM–Noon, Poster # 81, 2nd Floor Library
The effect of probiotics on the neuron health of the D. Melanogaster pink1 mutant
Faculty Mentor(s): Hui-Min Chung
Department: Biology
Undergraduate Student
Funding or other research support: OUR, OUR Works!

Leonie Dupuis 10:00AM–Noon, Poster # 82, 2nd Floor Library
The effects of anti-inflammatory compounds on the suppression of the IL-1B and TNF-α pathways in Danio rerio
Co-Author(s): Mina Motakhaveri
Faculty Mentor(s): Scott Taylor
Department: Biology
Undergraduate Student
Funding or other research support: OUR, OUR Works!

Gianyce Gesualdo 10:00AM–Noon, Poster # 83, 2nd Floor Library
The effect of Probiotics on the lifespan of the D. Melanogaster a pink1 mutant
Faculty Mentor(s): Hui-Min Chung
Department: Biology
Undergraduate Student
Funding or other research support: OUR FYRE, NCUR 2019

Isabel Holland 10:00AM–Noon, Poster # 84, 2nd Floor Library
Assessing the Comfort of Nursing Students before and after Viewing Picture Cards during Simulation Education
Faculty Mentor(s): Jill Van Der Like
Department: Biology
Undergraduate Student
Funding or other research support: OUR FYRE

Luke Ryan Leggett 10:00AM–Noon, Poster # 85, 2nd Floor Library
The Prevention of the Delay in Inflammation with the use of CBD Powder Isolate on Hypoxia-inducible factor 1 alpha (Hif1-alpha) in Danio rerio
Co-Author(s): Alexandria Livermore
Faculty Mentor(s): Luke Leggett
Department: Biology
Undergraduate Student
Funding or other research support: SURP
Alex Livermore 10:00AM-Noon, Poster # 86, 2nd Floor Library
The effectiveness of bacterial removal via tongue scraping versus tongue brushing alone
Co-Author(s): Isaac Bennett
Faculty Mentor(s): Michelle Jenson
Department: Biology
Undergraduate Student
Funding or other research support: Department funds

Luisa Mason 10:00AM-Noon, Poster # 87, 2nd Floor Library
Comparative Analysis of Regional Versus General Anaesthesia
Faculty Mentor(s): Tiffany Jackman
Department: Biology
Undergraduate Student
Funding or other research support: OUR Explorers

Sydney Moore 10:00AM-Noon, Poster # 88, 2nd Floor Library
FreShavocado - a Bacteriophage to Guac About
Co-Author(s): Cassandra Kelso
Faculty Mentor(s): Hui-Min Chung, Kari Clifton
Department: Biology
Undergraduate Student
Funding or other research support: SURP

Jani Ngalame 10:00AM-Noon, Poster # 89, 2nd Floor Library
Spring Scholars Symposium
Faculty Mentor(s): Lisa Waidner
Department: Biology
Undergraduate Student
Funding or other research support: OUR Works!

Gabrielle Norman 10:00AM-Noon, Poster # 90, 2nd Floor Library
The Adventures of Sharkboy
Co-Author(s): Mallory Vining
Faculty Mentor(s): Gabrielle Norman
Department: Biology
Undergraduate Student
Funding or other research support: SURP

Jesse Pereira Pinto Neto 10:00AM-Noon, Poster # 92, 2nd Floor Library
The Primary Care Role on Depression Management: Discussion Over Team-Based Approach, Cost Reduction, and Increased Treatment Effectiveness
Faculty Mentor(s): Peter Cavnar
Department: Biology
Undergraduate Student
Funding or other research support: OUR Travel Award

Megan Rasmussen 10:00AM-Noon, Poster # 93, 2nd Floor Library
Pediatric Cancer and the Neurological Effects
Faculty Mentor(s): Tiffany Jackman
Department: Biology
Undergraduate Student
Funding or other research support: OUR Explorers

Elivet Rodriguez 10:00AM-Noon, Poster # 94, 2nd Floor Library
Exploring the Antimicrobial Properties of Novel Heterocyclic Compounds
Co-Author(s): Mina Motakhaveri, Mia Vertudez
Faculty Mentor(s): Prerna Masih, Tanay Kesharwani
Department: Biology
Undergraduate Student
Funding or other research support: OUR Project Awards

Emily Summers 10:00AM-Noon, Poster # 95, 2nd Floor Library
Undergraduate opportunities within a different realm of research: Clinical Trials
Co-Author(s): Josh Cook
Faculty Mentor(s): Rodney Guttmann, Kristina Robison
Department: Biology
Undergraduate Student
Funding or other research support:

Wendy Teuchtler 10:00AM-Noon, Poster # 96, 2nd Floor Library
Effects of Azaborine Compounds on HeLa Cells
Faculty Mentor(s): Peter Cavnar
Department: Biology
Undergraduate Student
Funding or other research support: MARC USTAR

May Zaw 10:00AM-Noon, Poster # 97, 2nd Floor Library
Characterization of the Gut Microbiota in Response to Probiotic Supplements in Drosophila melanogaster
Co-Author(s): Khursana Duty, Catherine Yoo, Haley Yuska
Faculty Mentor(s): Hui-Min Chung
Department: Biology
Undergraduate Student
Funding or other research support: OUR Project Awards
Riley Dibble 10:00AM-Noon, Poster # 98, 2nd Floor Library
Alakazam: Discovering a Phage
Co-Author(s): Ryan Werley
Faculty Mentor(s): Hui-Min Chung, Kari Clifton
Department: Biology
Undergraduate Student
Funding or other research support: OUR, SURP, SEA-PHAGES

Kaleen Brown 10:00AM-Noon, Poster # 99, 2nd Floor Library
Identifying the effects of microplastics on the coquina clam, Donax varabilis
Co-Author(s): Amara Ejikemeneuwa
Faculty Mentor(s): Peter Cavnar
Department: Biology
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards, OUR Travel Award

Melinda Morgan 10:00AM-Noon, Poster # 100, 2nd Floor Library
Coagulase Positive Staphylococcus aureus on Military Base Gym Equipment
Co-Author(s): Alexis Cole
Faculty Mentor(s): Joe Lepo
Department: Biology
Undergraduate Student
Funding or other research support: OUR Project Awards

Michael Swords 10:00AM-Noon, Poster # 101, 2nd Floor Library
Roman Salt Production
Co-Author(s): Amy Fellgren
Faculty Mentor(s): Jane Caffrey, Marie Therese Champagne
Department: Biology
Undergraduate Student
Funding or other research support: SURP

Peyton Sims 10:00AM-Noon, Poster # 102, 2nd Floor Library
The Effect of Microplastics on the Lifespan and Reproduction of D. melanogaster
Faculty Mentor(s): Hui-Min Chung
Department: Biology
Undergraduate Student
Funding or other research support: OUR Project Awards

Alli Honer 10:00AM-Noon, Poster # 103, 2nd Floor Library
Environmental DNA of the vulnerable Saltmarsh topminnow, Fundulus jenkinsi, in the Indian Bayou system, Pensacola, Florida
Co-Author(s): Hailee Holt, Barbara Albrecht
Faculty Mentor(s): Alexis Janosik
Department: Biology
Undergraduate Student
Funding or other research support:

Emily Hotinger 10:00AM-Noon, Poster # 104, 2nd Floor Library
Project Oyster
Co-Author(s): Wilfredo Quiles, Barbara Albrecht, Jane Caffrey
Faculty Mentor(s): Jane Caffrey
Department: Biology
Undergraduate Student
Funding or other research support: OUR

Barbara Klein 10:00AM-Noon, Poster # 105, 2nd Floor Library
Spatial Variability of the Microbial Community Structure in the Ross Sea, Antarctica
Faculty Mentor(s): Wade Jeffrey
Department: Biology
Undergraduate Student
Funding or other research support: OUR Project Awards

Trevor McMullen 10:00AM-Noon, Poster # 106, 2nd Floor Library
Marine Bacteriophage Hunting in Greater Pensacola Beach with Experimental Host Psychrobacter nivimaris
Co-Author(s): Grace Worley, Leila Harris
Faculty Mentor(s): Hui-Min Chung
Department: Biology
Undergraduate Student
Funding or other research support: OUR

Jenifer Prine 10:00AM-Noon, Poster # 107, 2nd Floor Library
Plastic Found in the Gastrointestinal Tract of Loggerhead (Caretta caretta) Post-Hatchlings
Faculty Mentor(s): Christopher Pomory
Department: Biology
Undergraduate Student
Funding or other research support:

Cara Womacks 10:00AM-Noon, Poster # 109, 2nd Floor Library
DNA barcoding of Crustacea from artificial reefs in the Gulf of Mexico
Co-Author(s): Katie Vaccaro-Garska
Faculty Mentor(s): Alexis Janosik
Department: Biology
Undergraduate Student
Funding or other research support: OUR FYRE

Danielle Frazier 10:00AM-Noon, Poster # 110, 2nd Floor Library
Phage-Based Biomarkers in Alzheimer’s Disease
Co-Author(s): Enid Sisskin, Matthew Hayslip, Anam Khan, Joshua Cook, Emily Summers, Elizabeth McDowell, Kiersten Anaberg
Faculty Mentor(s): Rodney Guttmann
Department: Biology
Recent Graduate (Undergraduate)
Funding or other research support: OUR, Grant of Florida Department of Health, OUR Project Awards
MORNING PRESENTATIONS

Center for Environmental Diagnostics and Bioremediation

Mark Prousalis 10:00AM-Noon, Poster # 111, 2nd Floor Library
The Regulation of Bacterial Activity and Abundance by Environmental Parameters within a Subtropical Coastal Estuary
Co-Author(s): Ari Simmering, Erika Neat, Kelsey Hope, Leila Harris, Beija Gore, Dr. Wade Jeffrey, Dr. Matt Schwartz
Faculty Mentor(s): Lisa Waidner
Department: CEDB
Masters Student
Funding or other research support: OUR, Graduate Grant, GeoScholars

Beija Gore 10:00AM-Noon, Poster # 112, 2nd Floor Library
Response of Microbial Processes Following Deployment of Artificial Reefs in the Northeast Gulf of Mexico
Co-Author(s): Juliana Giraldo, Kat Smyth, Florian Cesbron, Wade Jeffrey, Will Patterson
Faculty Mentor(s): Jane Caffrey
Department: CEDB
Recent Graduate (Undergraduate)
Funding or other research support: OUR, Honors, OUR Project Awards, OUR Travel Award

Chemistry

Aimee M Phillips 10:00AM-Noon, Poster # 9, Great Hall
Synthesis of 3-halo-7-azaindoles and 3-halo-thieno[2,3-b]pyridine derivatives using nucleophilic aromatic substitution and iodocyclization reactions
Co-Author(s): Christopher Cunningham
Faculty Mentor(s): Tanay Kesharwani
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, Honors, OUR Works!, OUR Explorers, OUR Explorers, OUR Project Awards, OUR Travel Award

Patrick Luciani 10:00AM-Noon, Poster # 10, Great Hall
Araxxi: The Phage of the Future
Co-Author(s): Katelyn Cleveland
Faculty Mentor(s): Hui-Min Chung
Department: Chemistry
Undergraduate Student
Funding or other research support: SURP, Sea-Phages Program

Christina Pizza 10:00AM-Noon, Poster # 11, Great Hall
Macrocyclic Amine Synthesis
Co-Author(s): Kevan English, Pamela Sandoval-Sanchez, Alexander Condoroteanu-Orovean, Andrew Porter
Faculty Mentor(s): Ajay Lajmi
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, Honors, OUR Project Awards

Katie Ellen Whalen 10:00AM-Noon, Poster # 12, Great Hall
Quantitative FTIR of Spices and Extracts (HPLC, GCMS, SPME, FTIR focus)
Co-Author(s): Courtney Butler, Sophia Porter
Faculty Mentor(s): Karen Barnes
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR Project Awards

Sam Skinner 10:00AM-Noon, Poster # 13, Great Hall
Magnetocaloric Effect in the triangulated Kagome lattice Cu9Cl2cpa6
Co-Author(s): Ronald Coro, William Farmer, Jack Lovett, Joseph Lupton, Jacob Moses, Brendon Ortolano, Lauryn Reid, Savannah Richardson, Jesse Taylor
Faculty Mentor(s): Leonard ter Haar
Department: Chemistry
Recent Graduate (Undergraduate)
Funding or other research support: Florida Space Grant Consortium

Jeff Wright 10:00AM-Noon, Poster # 14, Great Hall
DDT Extraction and Analysis: A Comparison of Methods
Co-Author(s): Michael Hopko
Faculty Mentor(s): Pamela Benz, Johan Liebens
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, Honors, GeoScholars, OUR Travel Award

Megan Gulsby 10:00AM-Noon, Poster # 17, Great Hall
Metalloenzyme mimic with Esterase Activity
Co-Author(s): Taylor Best, Madikay Faal, Lacey Carroll
Faculty Mentor(s): Ajay Lajmi
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR Travel Award

Daniel LeMay 10:00AM-Noon, Poster # 18, Great Hall
A Novel Synthesis of Copper (I) Phenylacetilides
Co-Author(s): Greg Ciangiotto, Wheeler Smith
Faculty Mentor(s): Tim Royappa
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR Project Awards

Rachel Nyenhuis 10:00AM-Noon, Poster # 19, Great Hall
Crystal structures of the Trifluoromethylator
Co-Author(s): Madison McInnis
Faculty Mentor(s): Tim Royappa
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR Project Awards

John Ducilon 10:00AM–Noon, Poster # 20, Great Hall
**High-Yield, One-Pot Synthesis of Copper(I) Carboxylate**
Co-Author(s):
Faculty Mentor(s): Tim Royappa
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, OUR Works!, OUR Project Awards

Brecklyn Groce 10:00AM–Noon, Poster # 21, Great Hall
**A Variability Study of the Synthesis and Growth Kinetics of Surface Modified ZnO Quantum Dots Using LiOH**
Co-Author(s): De'Zhanae McCall-Butler, Jessica Loguerio, Jessica Davis-Gunn, Dillion Francis, Aaron Mena, Brandon Colon, Alan Schrock, Karen Molek
Faculty Mentor(s): Pamela Benz
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, Honors, OUR Project Awards

Lauren Heidenreich 10:00AM–Noon, Poster # 22, Great Hall
**Photochemical Degradation and Relative Toxicity of Various Motor Oils**
Co-Author(s): Ian Parker, Philip Bann, Maria Bertelli, Constance Smylie, Connor Pratt, Wade Jeffery
Faculty Mentor(s): Pamela Benz
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, Honors, OUR Travel Award

Christopher Walter 10:00AM–Noon, Poster # 25, Great Hall
**Synthetic Development of Highly Functionalized Disubstituted 2-3 Benzo[b]thiophenes**
Co-Author(s): Natalie Fallows
Faculty Mentor(s): Tanay Kesharwani
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, Honors, SURP, OUR Works!, OUR Project Awards, OUR Travel Award

Christopher Walter 10:00AM–Noon, Poster # 26, Great Hall
**Advances in Electrophilic Carbocyclization to Generate Isoxazoles and Benzo[b]thiophenes**
Co-Author(s): Zahra Alikhani, Christopher Cunningham, Kelsi Fuentes
Faculty Mentor(s): Tanay Kesharwani
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, Honors, SURP, OUR Works!, OUR Project Awards

Megan Hinrichsen 10:00AM–Noon, Poster # 28, Great Hall
**Synthesis of diverse 3-thiocyanatobenzo[b]thiophenes derivatives via a one-pot successive cyclization reaction**
Co-Author(s): Christen Grant, Soha Khan
Faculty Mentor(s): Christopher Cunningham
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, OUR Works!

Megan Hinrichsen 10:00AM–Noon, Poster # 29, Great Hall
**Alternative Synthesis of Trifluoromethylating Agents**
Co-Author(s): Michael Wells
Faculty Mentor(s): Tim Royappa
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards

Michelle Lapak 10:00AM–Noon, Poster # 30, Great Hall
**Influence of Transition Metal Oxide Nanoparticle Size on Surface-Assisted Laser Desorption/Ionization Mass Spectrometry of Small Biomolecules**
Co-Author(s): Julia Schwieg, Savanna Ward, Steven Varnum, Lauren Barnes, Joseph Yount, Bryan Zanca, Alyssa McCoy, Abayomi Olaitan
Faculty Mentor(s): Karen Molek
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, Honors, OUR Project Awards, OUR Travel Award

Sohail Mirza 10:00AM–Noon, Poster # 33, Great Hall
**Environmentally Benign One Step Cyclization-Oxidation Methodology for the Synthesis of Biologically and Medicinally Significant Benzo[b]thiophenes**
Co-Author(s): Matthew Blum, Alex Tran
Faculty Mentor(s): Tanay Kesharwani
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards
MORNING PRESENTATIONS

Jesse Taylor 10:00AM-Noon, Poster # 34, Great Hall
Synthetic strategies for the chemical modification of the molecular magnet Cu9X2(cpa)6
Co-Author(s): Ronald Coro, Jack Lovett, Joseph Lupton, Jacob Moses, Brendon Ortolano, Lauryn Reid, Savannah Richardson, Samuel Skinner,
Faculty Mentor(s): Leonard Ter Haar
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, NASA Grant NNX15AI10H-FSGC-II-TO-007, OUR Project Awards, NCUR 2019, OUR Travel Award

Lacey Carroll 10:00AM-Noon, Poster # 35, Great Hall
Catalytic Activity of a Hydrolytic Enzyme Mimic
Co-Author(s): Megan Gulsby
Faculty Mentor(s): Ajay Lajmi
Department: Chemistry
Masters Student
Funding or other research support: OUR, OUR Project Awards

Computer Science

Tasvirul Islam 10:00AM-Noon, Poster # 135, 2nd Floor Library
Analysis of Parallel Low Discrepancy Sequence in Parameter Sweep Applications
Faculty Mentor(s): Ashok Srinivasan
Department: Computer Science
Masters Student

Kaixin Ren 10:00AM-Noon, Poster # 136, 2nd Floor Library
Using Deep Learning for Human Activity Recognition
Faculty Mentor(s): Sikha Bagui
Department: Computer Science
Masters Student

Katie Jin 10:00AM-Noon, Poster # 137, 2nd Floor Library
Mining Ownership Information of IoT Devices
Faculty Mentor(s): Sikha Bagui
Department: Computer Science
Masters Student

Andrew Merts 10:00AM-Noon, Poster # 138, 2nd Floor Library
Classifying Network Scanning Attacks Based on Flow Meta Data using Machine Learning Algorithms
Faculty Mentor(s): Sikha Bagui
Department: Computer Science
Undergraduate Student

John Stevens 10:00AM-Noon, Poster # 139, 2nd Floor Library
Using Machine Learning to classify attacks in the NSL-KDD dataset
Faculty Mentor(s): Sikha Bagui

Department: Computer Science
Undergraduate Student

Xiaojian Wang 10:00AM-Noon, Poster # 140, 2nd Floor Library
Machine learning based Intrusion detection for Internet of Things
Faculty Mentor(s): Sikha Bagui
Department: Computer Science
Masters Student

Daniel Kelley 10:00AM-Noon, Poster # 141, 2nd Floor Library
Development of a Security Engineered SCADA Testbed
Co-Author(s): Ezhil Kalaimannan, Stephen Hopkins, Bhavyansh Mishra
Faculty Mentor(s): Sikha Bagui
Department: Computer Science
Undergraduate Student
Funding or other research support: OUR, NCUR 2019

Dean Rosier 10:00AM-Noon, Poster # 142, 2nd Floor Library
Analysis of Password Cracking Mechanisms on Windows and Linux based Operating Systems
Co-Author(s): Ezhil Kalaimannan, Caroline John
Faculty Mentor(s): Ezhil Kalaimannan, Caroline John
Department: Computer Science
Undergraduate Student

David Benenati 10:00AM-Noon, Poster # 143, 2nd Floor Library
Passive Operating System Fingerprinting Analysis using Artificial Intelligence Techniques
Co-Author(s): Zach Mueller
Faculty Mentor(s): Ezhil Kalaimannan, Caroline John
Department: Computer Science
Masters Student
Funding or other research support: SURP

Regina Eckhardt 10:00AM-Noon, Poster # 144, 2nd Floor Library
Deep Learning for Phishing Email Classification
Faculty Mentor(s): Sikha Bagui
Department: Computer Science
Masters Student

Curriculum and Instruction

Tiffany Marlow 10:00AM-Noon, Poster # 2, Great Hall
Incorporation of Historical Thinking Skills in the Secondary History Classroom
Faculty Mentor(s): Giang-Nguyen Nguyen
Department: Curriculum and Instruction
Doctoral Student
**Earth and Environmental Science**

**Reilly Allman** 10:00AM–Noon, Poster # 36, Great Hall  
*Critical Physical Geography: Review of the Literature*  
Faculty Mentor(s): Kwame Owusu-Daaku  
Department: Earth and Environmental Science  
Undergraduate Student  
Funding or other research support: SURP

**Bryce Finch** 10:00AM–Noon, Poster # 37, Great Hall  
*Evaluating the BANCS Model in NW Florida*  
Co-Author(s): Chris Metcalf  
Faculty Mentor(s): Johan Liebens, Phillip Schmutz  
Department: Earth and Environmental Science  
Masters Student  
Funding or other research support: HMCSE Graduate Student Research Grant

**Andrew McManaway** 10:00AM–Noon, Poster # 38, Great Hall  
*Direct Point Contaminant Movement in Barrier Island Groundwater*  
Co-Author(s): Riley Dibble, Kianna Babakitis  
Faculty Mentor(s): Phillip Schmutz  
Department: Earth and Environmental Science  
Undergraduate Student  
Funding or other research support: OUR, OUR Project Awards

**Michael Hopko** 10:00AM–Noon, Poster # 41, Great Hall  
*DDT in Estuarine Sediments: Depth Trends and Pollution Levels*  
Co-Author(s): Jeffery Wright, Pam Benz  
Faculty Mentor(s): Johan Liebens, Pamela Benz  
Department: Earth and Environmental Science  
Undergraduate Student  
Funding or other research support: GeoScholars, OUR Project Awards, OUR Travel Award

**Michael Hopko** 10:00AM–Noon, Poster # 42, Great Hall  
*Agricultural Land Use: The Effects on Soil Health in Northwest Florida*  
Faculty Mentor(s): Johan Liebens  
Department: Earth and Environmental Science  
Undergraduate Student  
Funding or other research support: OUR Project Awards

**Ara Metz** 10:00AM–Noon, Poster # 43, Great Hall  
*Statistical Analysis of Beach Surveying Techniques by Citizen Science Groups*  
Co-Author(s): Watson Tyler  
Faculty Mentor(s): Phillip Schmutz, Samantha Seals  
Department: Earth and Environmental Science  
Undergraduate Student  
Funding or other research support: OUR

**Samantha Mumma** 10:00AM–Noon, Poster # 44, Great Hall  
*Battle of the sexes: perceptions of men vs women regarding to fertility factors*  
Faculty Mentor(s): Chasidy Hobbs  
Department: Earth and Environmental Science  
Undergraduate Student  
Funding or other research support: OUR, NCUR 2019,

**Lexi Nelson** 10:00AM–Noon, Poster # 45, Great Hall  
*The Utility of Using a Near-Infrared (NIR) Camera to Measure Beach Surface Moisture*  
Faculty Mentor(s): Phillip Schmutz  
Department: Earth and Environmental Science  
Undergraduate Student  
Funding or other research support: OUR, OUR Travel Award

**Chelsea Randall** 10:00AM–Noon, Poster # 46, Great Hall  
*Soil evolution across a chronosequence of marine terraces in Northwest Florida*  
Faculty Mentor(s): Johan Liebens  
Department: Earth and Environmental Science  
Masters Student  
Funding or other research support: HMCSE Graduate Research Grant

**Simone Schuster** 10:00AM–Noon, Poster # 49, Great Hall  
*Utilizing Microcontroller Systems to Collect Environmental Pollution Data*  
Faculty Mentor(s): Phillip Schmutz  
Department: Earth and Environmental Science  
Undergraduate Student  
Funding or other research support: OUR, NSF GeoScholars

**Jasim Sukhera** 10:00AM–Noon, Poster # 50, Great Hall  
*The more you pollute, the more you lose! The impact of environmental accounting on the measurement of wealth in petroleum firms, 1990 to current*  
Faculty Mentor(s): Chasidy Hobbs  
Department: Earth and Environmental Science  
Undergraduate Student  
Funding or other research support: OUR, NCUR 2019,

**Cameron Wakeland** 10:00AM–Noon, Poster # 51, Great Hall  
*Qualitative Research In Environmental Science*  
Faculty Mentor(s): Kware Owusu-Daaku  
Department: Earth and Environmental Science  
Undergraduate Student  
Funding or other research support:
Informal Education and Learning
Alba Rocio Soto-Delgado 10:00AM-Noon, Poster # 3, Great Hall
Students influences in Math
Co-Author(s): Tiffany Marlow
Faculty Mentor(s): Giang-Nguyen Nguyen
Department: Informal and Learning
Undergraduate Student

Information Technology
Malcolm Greene 10:00AM-Noon, Poster # 133, 2nd Floor Library
Hybrid Cloud system for Entertainment/Music Industry
Faculty Mentor(s): Dallas Snider
Department: Information Technology
Undergraduate Student
Funding or other research support: SURP
Dean Rosier 10:00AM-Noon, Poster # 134, 2nd Floor Library
Citizen Cyber Jedi
Co-Author(s): John Chamblee
Faculty Mentor(s): Lakshmi Prayaga
Department: Information Technology
Undergraduate Student

Mathematics and Statistics
Matthew Kimm 10:00AM-Noon, Poster # 53, Great Hall
Statistical Learning Techniques and Applications
Faculty Mentor(s): Anthony Okafor
Department: Mathematical Sciences
Masters Student
Funding or other research support:
Matthew Kimm 10:00AM-Noon, Poster # 54, Great Hall
An Application of Machine Learning to a Higher Education Dataset
Co-Author(s): Jay Kim, Yixin Shen, Tingfang Wang
Faculty Mentor(s): Anthony Okafor
Department: Mathematical Sciences
Masters Student
Funding or other research support:
Mechanical Engineering
Emma Roberto 10:00AM-Noon, Poster # 57, Great Hall
Identifying behavioral biases caused by satellite tags using geomagnetic navigation modeling
Co-Author(s): Sabrina Corbin, Andy Herrmann, Noah Valloch
Faculty Mentor(s): Joseph Piacenza, Susan Piacenza
Department: Mechanical Engineering

Physics
Benny Schundelmier 10:00AM-Noon, Poster # 58, Great Hall
3-Color Two Beam Broadband Nonlinear Frequency Mixing: from Physics to Applications for Molecular Spectroscopy
Co-Author(s): Trevor Bestor
Faculty Mentor(s): Laszlo Ujj
Department: Physics
Undergraduate Student
Funding or other research support: OUR, OUR Travel Award

Social Work
Eden S Ridgeway 10:00AM-Noon, Poster # 4, Great Hall
Risk Factors for Fetal Alcohol Spectrum Disorder in College Women
Faculty Mentor(s): Daniel Durkin
Department: Social Work
Undergraduate Student
Funding or other research support: OUR FYRE
Dylan Stovall 10:00AM-Noon, Poster # 5, Great Hall
Faculty Mentor(s): Daniel Durkin, Kristy Durkin
Department: Social Work
Masters Student

Sport Management
Teddy Feracho 10:00AM-Noon, Poster # 7, Great Hall
Assessing the Fans Brand Recall and the Effectiveness of Commercial Sponsorships at a NCAA D- II Football Home Games
Faculty Mentor(s): Charlie (Chenxiang) Song
Department: Sport Management
Undergraduate Student
Funding or other research support: OUR Project Awards
AFTERNOON POSTER PRESENTATIONS

SESSION II (1:00PM-3:00PM)
GREAT HALL, COMMONS (BLDG 22) & 2ND FLOOR LIBRARY
USHA KUNDU, MD COLLEGE OF HEALTH
COLLEGE OF ARTS, SOCIAL SCIENCES, & HUMANITIES
COLLEGE OF BUSINESS

Organized by Department, then by Poster Number
Time, Poster #, Location

Anthropology and Archaeology

**Kandiss Campbell** 1:00PM-3:00PM, Poster # 41, Great Hall
*Biodistance in the Roman Empire*
Faculty Mentor(s): Allysha Winburn
Department: Anthropology and Archaeology
Masters Student

**Bruna Fernandez Rodrigues Silva** 1:00PM-3:00PM, Poster # 42, Great Hall
*LGBTQ+ Population in Pensacola: Perception of Safety and Effects on Health*
Co-Author(s): Mariah Boucher, Brenna Harshman, Trace Parrish
Faculty Mentor(s): Bruna Fernandez Silva
Department: Anthropology and Archaeology
Undergraduate Student
Funding or other research support: OUR Project Awards

**Kathryn Patterson** 1:00PM-3:00PM, Poster # 43, Great Hall
*Pain is the Roman World*
Faculty Mentor(s): Allysha Winburn, Marie Therse Champagne
Department: Anthropology and Archaeology
Masters Student

**Mirabela Schleidt** 1:00PM-3:00PM, Poster # 44, Great Hall
*Archaeological Dating of Luna Settlement*
Faculty Mentor(s): John Worth
Department: Anthropology and Archaeology
Undergraduate Student
Funding or other research support: OUR Project Awards

Zack Pagels 1:00PM-3:00PM, Poster # 46, Great Hall
*Why did the chicken cross the ocean: an analysis of faunal remains from the Emanuel Point Shipwrecks*
Faculty Mentor(s): John Bratten
Department: Anthropology and Archaeology
Undergraduate Student
Funding or other research support: OUR Project Awards

Brandon Herrmann 1:00PM-3:00PM, Poster # 47, Great Hall
*The Salem Witch Trials: The Ann Foster Story*
Faculty Mentor(s): John Worth
Department: Anthropology and Archaeology
Masters Student
Funding or other research support: SURP

Lisa Matthies-Barnes 1:00PM-3:00PM, Poster # 48, Great Hall
*Seeing Red: The Prickly History of Cochineal Landscapes*
Faculty Mentor(s): Jamin Wells
Department: Anthropology and Archaeology
Masters Student
Funding or other research support: SURP

Art

**Rachel Oliver** 1:00PM-3:00PM, Poster # 93, 2nd Floor Library
*Documenting Decay*
Faculty Mentor(s): Jim Jipson
Department: Art
Undergraduate Student
Funding or other research support: OUR Project Awards

**Sonia Soto** 1:00PM-3:00PM, Poster # 94, 2nd Floor Library
*Demos*
Co-Author(s): Madi Heinze, Madisen Pooton
Faculty Mentor(s): Carrie Fonder
Department: Art
Undergraduate Student
Funding or other research support: OUR Project Awards

**Kaziyl Shouse** 1:00PM-3:00PM, Poster # 95, 2nd Floor Library
*Hasty Hair Waves*
Faculty Mentor(s): Thomas Asmuth
Department: Art
Undergraduate Student
Funding or other research support: OUR Project Awards, NCUR 2019
**Crystal Ryan** 1:00PM-3:00PM, Poster # 96, 2nd Floor Library
*Voyage*
Co-Author(s): Sean O’Hern, Victoria Palasciano
Faculty Mentor(s): Carrie Fonder
Department: Art
Undergraduate Student
Funding or other research support: OUR, SURP, OUR Project Awards

**Crystal Ryan** 1:00PM-3:00PM, Poster # 97, 2nd Floor Library
*Leatherworking and Electronics*
Faculty Mentor(s): Nicholas Croghan
Department: Art
Undergraduate Student
Funding or other research support: OUR Project Awards

**Haylee M Hickey** 1:00PM-3:00PM, Poster # 98, 2nd Floor Library
*The Macabre Table*
Faculty Mentor(s): Marzia Ransom
Department: Art
Undergraduate Student
Funding or other research support: OUR Project Awards

**Sarah Huckaby** 1:00PM-3:00PM, Poster # 99, 2nd Floor Library
*Cyanotypes and The Environment*
Faculty Mentor(s): Valerie George
Department: Art
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards

**Megan Gossett** 1:00PM-3:00PM, Poster # 101, 2nd Floor Library
*On the Psychological Nature of Kintsugi as Applied to the Contemporary Feminine Form and Function*
Faculty Mentor(s): John Markowitz
Department: Art
Undergraduate Student
Funding or other research support: OUR Project Awards

**Dylan Clark** 1:00PM-3:00PM, Poster # 102, 2nd Floor Library
*Building 10- Ascending Colors*
Co-Author(s): Laura Hydle, Kevin O’Leary
Faculty Mentor(s): Carrie Fonder
Department: Art
Undergraduate Student
Funding or other research support: OUR, SURP, Presidents Cabinet, OUR Project Awards

**Sam Earley** 1:00PM-3:00PM, Poster # 103, 2nd Floor Library
*Galene’s Wave - A Public Sculpture*
Co-Author(s): Summer Dozier, Ann Marie Nusrala
Faculty Mentor(s): Carrie Fonder

**Ali Houghton** 1:00PM-3:00PM, Poster # 104, 2nd Floor Library
*Building 11: Sound Sculpture*
Co-Author(s): Noah Peake, Alex Adcock
Faculty Mentor(s): Carrie Fonder
Department: Art
Undergraduate Student
Funding or other research support: OUR, SURP, OUR Project Awards

**Aidan DeLaGarza** 1:00PM-3:00PM, Poster # 106, 2nd Floor Library
*Eros and Thanatos, the Personal Pathos of Michelangelo’s Dying Slave*
Faculty Mentor(s): Justin Sturgeon
Department: Art History
Undergraduate Student

**Dutch Allen** 1:00PM-3:00PM, Poster # 112, 2nd Floor Library
*Isolated Soleus Tear in a High School Offensive Lineman*
Faculty Mentor(s): Chris Dake
Department: Athletic Training
Undergraduate Student

**Micaela Cooley** 1:00PM-3:00PM, Poster # 113, 2nd Floor Library
*Knee Reconstruction After Chronic Patella Dislocations in a High School Athlete*
Faculty Mentor(s): Chris Dake
Department: Athletic Training
Undergraduate Student
Funding or other research support: SURP

**William Hayes** 1:00PM-3:00PM, Poster # 114, 2nd Floor Library
*A Case Study: A 26 year old with Chronic Lateral Ankle Instability and Os Trigonum Fracture*
Faculty Mentor(s): Chris Dake
Department: Athletic Training
Undergraduate Student
Funding or other research support:

**Justin Klotz** 1:00PM-3:00PM, Poster # 115, 2nd Floor Library
*A High School Lacrosse Athlete with Clubfoot*
Faculty Mentor(s): Chris Dake
Department: Athletic Training
Undergraduate Student
Funding or other research support: SURP
Marisha Little 1:00PM-3:00PM, Poster # 116, 2nd Floor Library  
Idiopathic left-sided neurological deficit of a 35-year old marathon runner  
Faculty Mentor(s): Chris Dake  
Department: Athletic Training  
Undergraduate Student  

Cameron Mackey 1:00PM-3:00PM, Poster # 121, 2nd Floor Library  
Ankle Osteochondral Defect of Talus with Cyst Following a Previous Orif of Ankle Fracture in College Football Athlete  
Faculty Mentor(s): Chris Dake  
Department: Athletic Training  
Undergraduate Student  
Funding or other research support: OUR  

Gracie Thurson 1:00PM-3:00PM, Poster # 122, 2nd Floor Library  
Pronator teres syndrome in an adolescent high school baseball player  
Faculty Mentor(s): Chris Dake  
Department: Athletic Training  
Undergraduate Student  

Masters Student  
Funding or other research support: Student Government Association, Travel Grant; Graduate School, Travel Grant  

Communication Arts  
Logan Mullins 1:00PM-3:00PM, Poster # 50, Great Hall  
When the magic’s gone: A content analysis of The Walt Disney Company’s crisis communications efforts  
Faculty Mentor(s): Kelly Carr  
Department: Communication  
Undergraduate Student  
Funding or other research support: Honors  

Comprehensive Marketing  
Isaac Mohr 1:00PM-3:00PM, Poster # 85, 2nd Floor Library  
U Choose Awards  
Co-Author(s): Tyler Smith, Laura Bautista, Madison Alexander  
Faculty Mentor(s): James Mead  
Department: Comprehensive Marketing  
Undergraduate Student  
Funding or other research support: OUR, OUR Project Awards  

English and Journalism  
Gina Castro 1:00PM-3:00PM, Poster # 51, Great Hall  
The Case for Competition: Best Practices for Launching a Business Case Competition  
Faculty Mentor(s): Regina Sakalarios-Rogers  
Department: English and Journalism  
Undergraduate Student  
Funding or other research support: OUR, OUR Project Awards  

Exercise Science  
Stephan Quintin 1:00PM-3:00PM, Poster # 65, 2nd Floor Library  
Parkinson’s Pathology is Mitigated by Lactate in MPP+ Treated Neurons  
Co-Author(s): Youngil Lee  
Faculty Mentor(s): Youngil Lee, Yonchul Jang  
Department: Exercise Science  
Undergraduate Student  
Funding or other research support: OUR, OUR Works!
Matthew Hayslip 1:00PM-3:00PM, Poster # 66, 2nd Floor Library
*Damage dopaminergic neurons of the Substantia Nigra pars compacta (SNc) and produce animal and cellular models of Parkinson’s disease*
Faculty Mentor(s): Youngil Lee
Department: Exercise Science
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards

Haliegh Castonguay 1:00PM-3:00PM, Poster # 67, 2nd Floor Library
*Effects of Ironic Process Theory and Verbal Cues on Center of Pressure Excursions and Muscle Activity During Static Standing*
Co-Author(s): Jocelyn Arnett, Cameron Addie
Faculty Mentor(s): Jeffrey Simpson
Department: Exercise Science
Undergraduate Student
Funding or other research support: UWF Department of Exercise Science and Community Health

Sarai Flores Diaz 1:00PM-3:00PM, Poster # 68, 2nd Floor Library
*ECG Stress Testing as a Screening Tool for Sudden Cardiac Death in Division II College Athletes: A Pilot Study*
Co-Author(s): Emily Grammer, Cameron Addie, Jocelyn Arnett, Kameron Bethell
Faculty Mentor(s): Ludmila Cosio Lima
Department: Exercise Science
Masters Student
Funding or other research support: SURP

**Government**

Leonie Dupuis 1:00PM-3:00PM, Poster # 100, 2nd Floor Library
*The relationship between tango and political movements in Argentina.*
Faculty Mentor(s): Laura Arguea
Department: Government
Undergraduate Student
Funding or other research support: SURP

**Graphic Design**

Christopher Dexter 1:00PM-3:00PM, Poster # 107, 2nd Floor Library
*The Effectiveness of Wayfinding Signage Oriented to the Floor*
Faculty Mentor(s): Joseph Herring
Department: Graphic Design
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards

**Health Sciences and Administration**

Stephanie McNamara 1:00PM-3:00PM, Poster # 69, 2nd Floor Library
*Immigrants Paradox: Assessment of the effects of time of residence on high blood pressure status among immigrants in the US*
Co-Author(s): Stephanie McNamara, Guy Lucien Whembolua
Faculty Mentor(s): Daudet Tshiswaka
Department: Health Sciences & Administration
Undergraduate Student
Funding or other research support: OUR, Health Science Department, OUR Project Awards, OUR Travel Award, NCUR 2019

Kimberly Stephens Rudd 1:00PM-3:00PM, Poster # 70, 2nd Floor Library
*The Cost of Chronic Obstructive Pulmonary Disease (COPD) in Compliant Versus Non-Compliant Patients*
Faculty Mentor(s): Tiffany Jackman
Department: Health Sciences & Administration
Undergraduate Student
Funding or other research support: OUR, Health Science Department, OUR Project Awards, OUR Travel Award, NCUR 2019

**History**

Seth Gregory 1:00PM-3:00PM, Poster # 1, Great Hall
*Rise of the Miskito Kingdom*
Faculty Mentor(s): Erin Stone
Department: History
Masters Student
Funding or other research support: SURP

Jessica Freeman 1:00PM-3:00PM, Poster # 2, Great Hall
*Pedro IV of Portugal*
Faculty Mentor(s): Erin Stone
Department: History
Undergraduate Student
Funding or other research support: SURP

Rhiannon A Rice 1:00PM-3:00PM, Poster # 3, Great Hall
*Masters of the Mediterranean*
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP

Isaac Richardson 1:00PM-3:00PM, Poster # 4, Great Hall
*The Roman Body*
Co-Author(s): Nadirah Mclean
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP
Tyla Cohen 1:00PM-3:00PM, Poster # 5, Great Hall
The Scale of Danger and Labor for Roman Slaves
Co-Author(s): Joshua Martus
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP

Robby Elmore 1:00PM-3:00PM, Poster # 6, Great Hall
From Unknown Depths: Conserving and Identifying the Jeffcoat Anchor
Faculty Mentor(s): Jamin Wells
Department: History
Masters Student
Funding or other research support: SURP

Jason Bingham 1:00PM-3:00PM, Poster # 7, Great Hall
Perceptions of the German Combat Soldier from 1930 through the 1950s
Faculty Mentor(s): Jason Bingham
Department: History
Masters Student
Funding or other research support: SURP

Rollin Cluff 1:00PM-3:00PM, Poster # 8, Great Hall
Legio Aeterna Victrix
Co-Author(s): Austin Grieser
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP

Valarie Collins 1:00PM-3:00PM, Poster # 9, Great Hall
Patrem et Matrem Imperii (Mother and Father of the Empire)
Co-Author(s): Chase Babin
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP

Valarie Collins 1:00PM-3:00PM, Poster # 10, Great Hall
Patrem et Matrem Imperii (Mother and Father of the Empire)
Co-Author(s): Chase Babin
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP

Charles Cox 1:00PM-3:00PM, Poster # 11, Great Hall
Forty-One Years of Neglect: The Outcome the British did not Expect
Faculty Mentor(s): Amy Mitchell-Cook
Department: History
Undergraduate Student
Funding or other research support: SURP

Bruno De Freitas Cordeiro 1:00PM-3:00PM, Poster # 12, Great Hall
The Stumbles of a Weak King: John’s Colonial Administration and Napoleon’s Role in the True Birth of Brazil
Faculty Mentor(s): Erin Stone
Department: History
Undergraduate Student
Funding or other research support: SURP

Anna Del Gallo 1:00PM-3:00PM, Poster # 13, Great Hall
Captain Clark’s Romantic South: The Lost Cause in Clarksville, TN
Faculty Mentor(s): Jamin Wells
Department: History
Masters Student
Funding or other research support: SURP

Emily Dobson 1:00PM-3:00PM, Poster # 14, Great Hall
Palmares: The Great Slave Community
Faculty Mentor(s): Erin Stone
Department: History
Undergraduate Student
Funding or other research support: SURP

Conor Flanagan 1:00PM-3:00PM, Poster # 15, Great Hall
Co-Author(s): Robert Black
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP

Jordan Goad 1:00PM-3:00PM, Poster # 16, Great Hall
Slavery in the Cape Verde Islands
Faculty Mentor(s): Erin Stone
Department: History
Undergraduate Student

Sydnee Hammond 1:00PM-3:00PM, Poster # 17, Great Hall
Death and Destruction: Two Sides to Dozier
Faculty Mentor(s): Amy Mitchell-Cook
Department: History
Undergraduate Student
Funding or other research support: SURP

Patrick Hebert 1:00PM-3:00PM, Poster # 18, Great Hall
A life measured in victories
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP
Sidney King 1:00PM-3:00PM, Poster # 19, Great Hall
The Mali Empire
Faculty Mentor(s): Sidney King
Department: History
Undergraduate Student
Funding or other research support: SURP

Ariane Martinez Simmons 1:00PM-3:00PM, Poster # 20, Great Hall
The Invasion of the Canary Islands
Faculty Mentor(s): Erin Stone
Department: History
Undergraduate Student

Gene McGuire 1:00PM-3:00PM, Poster # 21, Great Hall
My historical work
Faculty Mentor(s): Amy Mitchell-Cook
Department: History
Undergraduate Student
Funding or other research support: SURP

Brian Phillips 1:00PM-3:00PM, Poster # 22, Great Hall
Are we going Dutch on this date?
Faculty Mentor(s): Erin Stone
Department: History
Undergraduate Student
Funding or other research support: SURP

Brain Phillips 1:00PM-3:00PM, Poster # 23, Great Hall
Historians, Romans, Countrymen, Lend Me Your Ear
Co-Author(s): Christopher Mann
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP

Matthew Seaton 1:00PM-3:00PM, Poster # 24, Great Hall
Thermopolia of Ancient Rome
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP

Edna Sheppard 1:00PM-3:00PM, Poster # 25, Great Hall
Women’s Roles In Ancient Rome
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP

Gretchen Strohl 1:00PM-3:00PM, Poster # 26, Great Hall
ACLU: Reproductive rights
Faculty Mentor(s): Amy Cook
Department: History
Undergraduate Student
Funding or other research support: SURP

Alyssa Webb 1:00PM-3:00PM, Poster # 27, Great Hall
Political Influences on Religion: Cults of Ancient Rome
Co-Author(s): Rowan Pelfrey
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP

Tyler Wible 1:00PM-3:00PM, Poster # 28, Great Hall
Divination of Rome
Co-Author(s): Brannach Craig
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP

Brandon Jose 1:00PM-3:00PM, Poster # 29, Great Hall
Roman Politicians in Times of Conflict
Co-Author(s): Nic Schellin
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: OUR, SURP, OUR Works!

Zackary Newman 1:00PM-3:00PM, Poster # 30, Great Hall
Major Roman Reforms of the Second Century BC
Co-Author(s): Hank Hard
Faculty Mentor(s): Marie Therese Champagne
Department: History
Undergraduate Student
Funding or other research support: SURP

Anna V Adams 1:00PM-3:00PM, Poster # 31, Great Hall
A Wolf in Sheep’s Clothing: Elizabeth I and the Female Embodiment of Masculine Authority
Faculty Mentor(s): Jamin Wells
Department: History
Masters Student
Funding or other research support: SURP
Tori Van Scyoc 1:00PM-3:00PM, Poster # 32, Great Hall
The Women’s March on Versailles and the Feminist Movement
Faculty Mentor(s): Jamin Wells
Department: History
Masters Student
Funding or other research support: SURP

Kugelman Honors Program

Eric Bolter 1:00PM-3:00PM, Poster # 87, 2nd Floor Library
Role of Public Parks in Fostering a Sense of Community and Collective Efficacy in Englewood
Co-Author(s): William Bigger, Ryan Werley, Patrick Burdick, Stephanie Jones, Emma Grider, Mady Fraga
Faculty Mentor(s): Jocelyn Evans
Department: Honors
Undergraduate Student

Lily Trissel 1:00PM-3:00PM, Poster # 89, 2nd Floor Library
Community and Collective Efficacy in Myrtle Grove
Co-Author(s): Garrett Gibson, Mason Hutchinson, Kayleigh Barnes, Gianyce Gesualdo, Valery Serrano
Faculty Mentor(s): Jocelyn Evans
Department: Honors
Undergraduate Student

Lily Trissel and Eric Bolter 1:00PM-3:00PM, Poster # 91, 2nd Floor Library
Measuring Collective Efficacy in Midsized Cities Through Neighborhood Survey Research in Pensacola Communities
Co-Author(s): Lily Trissel, Eric Bolter, Arturo Bello, Mady Fraga, Tucker Meece, Emerson Cheney
Faculty Mentor(s): Jocelyn Evans
Department: Honors
Undergraduate Student

International Studies

Ana Beatriz De Alencar De Oliveira Goes 1:00PM-3:00PM, Poster # 39, Great Hall
Meeting Our Subjects: a 2D and 3D analysis and reconstruction of the UWF skeletal collection
Faculty Mentor(s): Allysha Winburn
Department: Honors
Undergraduate Student

Management Information Systems

Nicholas Billings 1:00PM-3:00PM, Poster # 60, Great Hall
An Investigation of Information Security Attacks and Safeguards in Intelligent Healthcare Systems
Co-Author(s): Alex Ottley
Faculty Mentor(s): June Wei
Department: Management Information Systems
Undergraduate Student
Funding or other research support: SURP, OUR funding undetermined

Marketing, Supply Chain Logistics and Economics

Andrea Martinez-Martinez 1:00PM-3:00PM, Poster # 57, Great Hall
Does Device Attachment Influence Consumers Perceived Credibility of Fake News?
Co-Author(s): Stephanie LaLuzerne
Faculty Mentor(s): James Mead
AFTERNOON POSTER PRESENTATIONS

Department: Marketing, Supply Chain Logistics, and Economics
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards, NCUR 2019

Masters of Accountancy

Victoria Guboglo 1:00PM-3:00PM, Poster # 58, Great Hall
Paycheck, Culture, Work-Life Balance: What is the Secret to Attract and Retain Millennial Accountants?
Faculty Mentor(s): Barbara White, Bruce Davidson
Department: Masters of Accountancy
Masters Student

Yiqiu (Rachel) Huang 1:00PM-3:00PM, Poster # 59, Great Hall
JetPay Corporation: A Case Study
Co-Author(s): Karen Barbee, Jimmy Vuong
Faculty Mentor(s): Gerald Goldstein
Department: Masters of Accountancy
Masters Student

Movement Science and Health

Karli Conti 1:00PM-3:00PM, Poster # 123, 2nd Floor Library
17-Year Old Football Player with Osteochondroma
Faculty Mentor(s): Chris Dake
Department: Movement Science and Health
Undergraduate Student
Funding or other research support: SURP

Ashlee Viray 1:00PM-3:00PM, Poster # 124, 2nd Floor Library
Accelerated Recovery Following ACL, LCL, MCL, and Medial Meniscal Reconstruction in a High School Athlete
Faculty Mentor(s): Christopher Dake
Department: Movement Science and Health
Undergraduate Student
Funding or other research support: SURP

Gabby Ball 1:00PM-3:00PM, Poster # 129, 2nd Floor Library
Torn Rectus Femoris with Ossification and Hip Labrum Tear
Faculty Mentor(s): Christopher Dake
Department: Movement Sciences and Health
Undergraduate Student

Faithe Franklin 1:00PM-3:00PM, Poster # 131, 2nd Floor Library
Sickle Cell Disease in a White Teenage Football Player
Faculty Mentor(s): Christopher Dake
Department: Movement Sciences and Health
Undergraduate Student

Nursing

Cheyanne D Franklin 1:00PM-3:00PM, Poster # 71, 2nd Floor Library
How Effective is Active Management of the Third Stage of Labor in Decreasing Postpartum Hemorrhage
Faculty Mentor(s): Crystal Bennett
Department: Nursing
Undergraduate Student
Funding or other research support: OUR, SURP; OUR Travel Award

Eva Grumbir 1:00PM-3:00PM, Poster # 72, 2nd Floor Library
Ventilator Associated Pneumonia
Faculty Mentor(s): Crystal Bennett
Department: Nursing
Undergraduate Student
Funding or other research support: OUR, OUR Travel Award

Maria McLain 1:00PM-3:00PM, Poster # 73, 2nd Floor Library
Adapted dance interventions for Alzheimer’s disease and related disorder patients
Co-Author(s): Emily Bailey, Camila Medina Pacheco
Faculty Mentor(s): Crystal Bennett
Department: Nursing
Undergraduate Student
Funding or other research support: Florida Department of Health

Jake Bush 1:00PM-3:00PM, Poster # 74, 2nd Floor Library
Barriers to Primary Care for Transgender Patients
Faculty Mentor(s): Jake Bush
Department: Nursing
Faculty

Samay Ersoff 1:00PM-3:00PM, Poster # 84, 2nd Floor Library
Impact of Music in the Operating Room: EBP
Co-Author(s): Hillary Fox
Faculty Mentor(s): Crystal Bennett
Department: Nursing
Undergraduate Student
Funding or other research support: OUR, Sigma Theta Tau International, Upsilon Kappa Chapter, OUR Travel Award
Sonia Yanovsky 1:00PM-3:00PM, Poster # 127, 2nd Floor Library
Can a positive mindset about stress positively influence cognitive performance?
Co-Author(s): Tesa Saulmon, Paula Pham
Faculty Mentor(s): Hui-Ya Han
Department: Psychology
Undergraduate Student
Funding or other research support: OUR, Honors, OUR Project Awards, NCUR 2019

Elizabeth Shin 1:00PM-3:00PM, Poster # 128, 2nd Floor Library
Think Before You Speak: Executive Function and Language Comprehension in Bilingual Children
Co-Author(s): Dillon Berry
Faculty Mentor(s): Vanessa Rainey
Department: Psychology
Undergraduate Student
Funding or other research support: SURP

Scott Boatright 1:00PM-3:00PM, Poster # 133, 2nd Floor Library
Improving the Fidelity of Training for Baseball Umpires
Faculty Mentor(s): Steven Kass, Lisa Blalock
Department: Psychology
Masters Student

Daniel Vickers 1:00PM-3:00PM, Poster # 134, 2nd Floor Library
Grit and Frustration
Faculty Mentor(s): James Arruda, Sherry Schneider, Robert Rotunda
Department: Psychology
Masters Student
Funding or other research support: SURP

Heather Lutkins 1:00PM-3:00PM, Poster # 135, 2nd Floor Library
Maintaining Mindfulness in a Consumerist Culture
Faculty Mentor(s): Sherry Schneider, Carolyn Pritchett
Department: Psychology
Masters Student
Funding or other research support: SURP

Delaney Diehl 1:00PM-3:00PM, Poster # 136, 2nd Floor Library
Putting Repetitive Thought to Bed: Suggestions for Mindfulness as an Intervention for Improving Employees Sleep
Faculty Mentor(s): Valerie Morganson
Department: Psychology
Masters Student
Funding or other research support: SURP

Ashley Mayfield 1:00PM-3:00PM, Poster # 137, 2nd Floor Library
Shared and Unique Properties in the NFL and Its Effect on Team Performance
Co-Author(s): Meagan Kent, Yildiz Clayborn, Bryce Helton
Faculty Mentor(s): April Schantz

Haley Adams 1:00PM-3:00PM, Poster # 138, 2nd Floor Library
Increasing Organ Donation: Terror Management Application
Faculty Mentor(s): Sherry Schneider
Department: Psychology
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards, OUR Travel Award

Kaitlyn Baldwin 1:00PM-3:00PM, Poster # 139, 2nd Floor Library
Sleepiness in Classrooms
Co-Author(s): Anna Nguyen
Faculty Mentor(s): Hui-Ya Han
Department: Psychology
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards

Kaleb Farman 1:00PM-3:00PM, Poster # 140, 2nd Floor Library
Virtual Reality Education
Faculty Mentor(s): Steven Kass
Department: Psychology
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards, NCUR 2019

Ana Borja Ceballos 1:00PM-3:00PM, Poster # 141, 2nd Floor Library
Household Organization and Language Ability in Children with Autism Spectrum Disorder
Co-Author(s): Arielle Ramey, Preya Ramey
Faculty Mentor(s): Carolyn Pritchett, Vanessa Rainey
Department: Psychology
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards

Shonte A Devonish 1:00PM-3:00PM, Poster # 142, 2nd Floor Library
Are maximizers too focused on the present to enjoy their future?
Co-Author(s): Heather Lutkins, Hunter Carlson, Haley Adams
Faculty Mentor(s): Sherry Schneider
Department: Psychology
Undergraduate Student
Funding or other research support: SURP

Ashli Barnes 1:00PM-3:00PM, Poster # 143, 2nd Floor Library
An anxiety-stricken past: Does anxiety hinder positive academic strategies in emerging adult translators?
Co-Author(s): Sonia Yanovsky
Faculty Mentor(s): Vanessa Rainey
Department: Psychology
Undergraduate Student
Funding or other research support: SURP
Gabbie Harris 1:00PM-3:00PM, Poster # 144, 2nd Floor Library
The Effects of Pretesting on Course Performance in Online and Face-to-face Classes
Faculty Mentor(s): Lisa Blalock
Department: Psychology
Undergraduate Student
Funding or other research support: OUR, OUR Works!

Mackenzie Jensen 1:00PM-3:00PM, Poster # 145, 2nd Floor Library
Changes by the Probiotic Lactobacillus plantarum on Serum Markers for Human Metabolism
Co-Author(s): Rachel Nyenhuis, Philip Gigstad
Faculty Mentor(s): Carolyn Pritchett
Department: Psychology
Undergraduate Student
Funding or other research support: OUR, NCUR 2019

Meagan Kent 1:00PM-3:00PM, Poster # 147, 2nd Floor Library
Expatriate Family Adaptability
Co-Author(s): Yildiz Clayborne, Bryce Helton, Ashley Mayfield
Faculty Mentor(s): April Schantz
Department: Psychology
Recent Graduate
Funding or other research support: OHS Lab

Fiama Mastrangelo 1:00PM-3:00PM, Poster # 148, 2nd Floor Library
Lactobacillus plantarum alters food cravings without changing body composition
Faculty Mentor(s): Carolyn Pritchett
Department: Psychology
Undergraduate Student
Funding or other research support: OUR, FYRE

Public Health

Brittany Hensley 1:00PM-3:00PM, Poster # 81, 2nd Floor Library
Together We Fight: Take Back the Night
Faculty Mentor(s): Justice Mbizo
Department: Public Health
Masters Student

Alison J Fields 1:00PM-3:00PM, Poster # 82, 2nd Floor Library
Utilization of NHANES data via Harvard’s Dataset Explorer to Investigate Associations Between Exposomes and Diseases
Faculty Mentor(s): Denise Curtis
Department: Public Health
Masters Student
Funding or other research support: SURP

Garwin Ho 1:00PM-3:00PM, Poster # 83, 2nd Floor Library
Evaluating the Impact of the 5210 Social Marketing Campaign on Community Awareness and Behavior
Co-Author(s): Kimberly Pace, Denice Curtis, Justice Mbizo, John Lanza
Faculty Mentor(s): Denice Curtis, Justice Mbizo, John Lanza
Department: Public Health
Masters Student
Funding or other research support: SURP

Public History

Skyler Browder 1:00PM-3:00PM, Poster # 33, Great Hall
The AAA: a Blessing and a Curse
Faculty Mentor(s): Jamin Wells
Department: Public History
Masters Student
Funding or other research support: SURP

Robin Dunn 1:00PM-3:00PM, Poster # 34, Great Hall
Historical Hauntings: Ghost Tours in Pensacola
Faculty Mentor(s): Jamin Wells
Department: Public History
Masters Student
Funding or other research support: SURP

Bailey Phillips 1:00PM-3:00PM, Poster # 35, Great Hall
In the Shadow of the Khans: The Lasting Impacts of Mongol Rule in China
Faculty Mentor(s): Jamin Wells
Department: Public History
Masters Student
Funding or other research support: SURP

Theatre

Josh Birdsong 1:00PM-3:00PM, Poster # 37, Great Hall
The Hoodie Play by Liz Amadio, Directed and submitted by Joshua Birdsong, 2019
Faculty Mentor(s): Marci Duncan
Department: Theatre
Undergraduate Student
Funding or other research support: OUR, SURP, OUR Project Award
HIGH IMPACT PRACTICE SHOWCASE

9:00AM–4:00PM DISPLAYED; WITH INDIVIDUAL PRESENTATIONS THROUGHOUT THE DAY
AUDITORIUM, COMMONS (BLDG 22)

Will Blankenship
*Type of HIP Experience: Cooperative Education (Co-op)*

Eric Bolter
*Type of HIP Experience: Service Learning*
Psychology
Undergraduate Student

Sam Brown
*Type of HIP Experience: Cooperative Education (Co-op)*
Mechanical Engineering
Undergraduate Student

Hunter Clayton
*Type of HIP Experience: Research Project*
Marketing
Undergraduate Student

Brooke Davis
*Type of HIP Experience: Cooperative Education (Co-op)*

Justin Fruitticher
*Type of HIP Experience: Cooperative Education (Co-op)*

Milena Ghtait
*Type of HIP Experience: Research Project*
Comprehensive Marketing
Undergraduate Student

Valentim Goncalves, Jr
*Type of HIP Experience: Study Abroad*
MBA
Graduate Student

Yiqiu (Rachel) Huang
*Type of HIP Experience: Research Project*
Master of Accountancy
Graduate Student

Morgan Peppers
*Type of HIP Experience: Research Project*
MBA
Graduate Student

Jasim Sukhera
*Type of HIP Experience: Service Learning*
Finance
Undergraduate Student

Isabel Teller
*Type of HIP Experience: Capstone*
Social Work
Graduate Student

Lily Trissel
*Type of HIP Experience: Service Learning*
Cybersecurity
Undergraduate Student

Jodie Welch
*Type of HIP Experience: Cooperative Education (Co-op)*

Shiana Youngblood
*Type of HIP Experience: Research Project*
Comprehensive Marketing
Undergraduate Student

ENGINEERING SHOWCASE

10:00AM–NOON
CANNON GREEN

Chemistry

Jacob A Moses
*Microgravity Synthesis of Cu9Cl2cpa6*
Co-Author(s): Joseph Lupton, Ronald Coro, Brendon Ortolano
Faculty Mentor(s): Leonard ter Haar
Department: Chemistry
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards

**Computer Science**

Andrew Petrovsky
*Using Low-level Sensory Data to Recognize Events in a Smart Home*
Faculty Mentor(s): Thomas Reichherzer
Department: Computer Science
Undergraduate Student
Honors

**Electrical and Computer Engineering**

Andrew Petrovsky
*Design of an Autonomous Robot*
Co-Author(s): Michael Wagner, Dustin Williams
Faculty Mentor(s): Andreas Fuchs
Department: Electrical and Computer Engineering
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards

Bhavyansh Mishra
*Autonomous Surveillance Quadcopter for Indoor Mapping in Unknown Environments*
Co-Author(s): Scotty Peirce, James Brown, Bryan Powell
Faculty Mentor(s): Mohamed Khabou
Department: Electrical and Computer Engineering
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards

Bhavyansh Mishra
*Indoor Mapping and Inspection using Autonomous Quadcopter Drone*
Co-Author(s): James Brown
Faculty Mentor(s): Mohamed Khabou
Department: Electrical and Computer Engineering
Undergraduate Student
Funding or other research support: OUR, NCUR 2018, OUR Project Awards, NCUR 2019

Bhavyansh Mishra
*A Testbed for Analysis on Cyber-Physical Security of Connected and Self-Driving Cars*
Faculty Mentor(s): Lakshmi Prayaga
Department: Electrical and Computer Engineering
Undergraduate Student

Devin McCormick
*Real Time IIOT Network to Monitor Energy*
Co-Author(s): Khoi Chu, Mitchell Posey, Ernie Hogan
Faculty Mentor(s): Bhuvaneswari Ramachandran, Elsayed Tarek

Stephen Harris
*Transient Stability Assessment in Power Systems Using a Convolutional Neural Network*
Faculty Mentor(s): Bhuvaneswari Ramachandran, Tarek Youseff
Department: Electrical and Computer Engineering
Undergraduate Student
Funding or other research support: Faculty Funds

Jerrad Havemann
*Design of a Real-Time Energy Monitoring and Reporting Tool*
Co-Author(s): Hannah Nano, Savanna New, Zian Wang
Faculty Mentor(s): Mohamed Khabou Ramachandran, Tarek Youssef
Department: Electrical and Computer Engineering
Undergraduate Student

Savanna New
*Load Forecasting using Multiple Linear Regression with the Indian Calendar*
Co-Author(s): Hannah Nano
Faculty Mentor(s): Mohamed Khabou Ramachandran, Achraf Cohen
Department: Electrical and Computer Engineering
Undergraduate Student

Riley Newton
*IC Dispensing System*
Co-Author(s): Cody Feldman, Kurtis McKissack, Joshua Brown
Faculty Mentor(s): Sam Russel
Department: Electrical and Computer Engineering
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards

Dominique Thompson
*Robotic Arm Delivery System (RADS)*
Co-Author(s): Bryan Alen, Andrew Parker, Norm Tanguilian
Faculty Mentor(s): Jeff McGuirk
Department: Electrical and Computer Engineering
Undergraduate Student
Funding or other research support: OUR, OUR Project Awards

Keenal Shah
*Comparison of Machine Learning Algorithms for Classification of Network Generated Flow Data*
Co-Author(s): Yizhi Hu
Faculty Mentor(s): Sikha Bagui
Department: Electrical & Computer Engineering
Undergraduate Student
Funding or other research support: OUR, OUR Travel Award
Matthew Walker  
**IEEE Southeast Con 2019 Hardware Competition**  
Co-Author(s): Edward Ligenfelter, Connor Avery, James Bailey  
Faculty Mentor(s): Mohamed Khabou  
Department: Electrical Engineering & Computer Engineering  
Undergraduate Student  
Funding or other research support: OUR, OUR Project Awards

### Mechanical Engineering

**Brian Arnold**  
**Investigating Mechanochemical Effects in Industrial Scale Metal Cutting Processes**  
Co-Author(s): Samantha Brown, Jacob Norre, Simon Marchetti, Marcus Jackson  
Faculty Mentor(s): Dr. James Mann  
Department: Mechanical Engineering  
Undergraduate Student  
Funding or other research support: OUR, OUR Project Awards, NCUR 2019

**Renan Monteiro Barbosa**  
**Design of Dual Action based Robotic Gripper with Jamming and Multi-finger Mechanisms**  
Faculty Mentor(s): Hakki Erhan Sevil  
Department: Mechanical Engineering  
Undergraduate Student  
Funding or other research support: OUR, OUR Project Awards, NCUR 2019

**Maria Biteeva**  
**The Surface Profilometer Team**  
Co-Author(s): John Kopala, Grant Caillouet, James Carlson, Jonah Hooton  
Faculty Mentor(s): Maria Biteeva  
Department: Mechanical Engineering  
Undergraduate Student

**Nathaniel D Blackowiak**  
**The Human Powered Vehicle project**  
Co-Author(s): Sibyl Cox, Thomas Crowson, Guadalupe Nava-Pina  
Faculty Mentor(s): John Todorovich  
Department: Mechanical Engineering  
Undergraduate Student  
Funding or other research support: OUR, OUR Project Awards

**Jaret Bruce**  
**Energy Recovery Team**  
Co-Author(s): Lem Rush, Jake Groves, Jared Hendricks, Alex Hamid, Dylan Gibson, Lucas DeGraw  
Faculty Mentor(s): Michael Reynolds  
Department: Mechanical Engineering  
Undergraduate Student  
Funding or other research support: OUR, OUR Project Awards

**John Facer**  
**UWF’s NASA Rover Team**  
Co-Author(s): Anthony Kaono, Austin Flack, Evan Rowell, Jacob Meyer, Josh Johnson, Nick Berling, Sommer Johnson, William Preston  
Faculty Mentor(s): Michael Reynolds,  
Department: Mechanical Engineering  
Undergraduate Student  
Funding or other research support: OUR, OUR Project Awards

**Luke Fina**  
**Toward Cost Efficient Robotic Arm for Object Pick-and-Place Application: Design and Feasibility Study**  
Co-Author(s): Max Quaranta, Gabriela Arajudo, Kendrick Chau, Wade Earnest  
Faculty Mentor(s): Hakki Erhan Sevil,  
Department: Mechanical Engineering  
Undergraduate Student

**Caleb Hudson**  
**Development of a Mobility Device for a Paraplegic Dog**  
Co-Author(s): Anita Banning- Harris, Dalton Grubbs, Paityn Maynard, Victoria Hoang, Perez Deven  
Faculty Mentor(s): Joseph Piacenza  
Department: Mechanical Engineering  
Undergraduate Student  
Funding or other research support: OUR Project Awards

**Connor Macdonald**  
**Lawn Device for UWF Community Garden**  
Co-Author(s): Patrick Wellborn, Ross Hefner, Darren Landis, Sean McGee, Christian Johnson  
Faculty Mentor(s): John Ireton  
Department: Mechanical Engineering  
Undergraduate Student  
Funding or other research support: OUR Works!

**Heather Mixon**  
**Modeling and Testing Satellite Tracking Tags on Juvenile Sea Turtles**  
Co-Author(s): Michael Teets, Sabrina Corbin, Noah VanLoch  
Faculty Mentor(s): Joseph Piacenza  
Department: Mechanical Engineering  
Undergraduate Student  
Funding or other research support: OUR Project Awards

**Eric Muller**  
**Cluster-Motor Rocket**  
Faculty Mentor(s): James Mann  
Department: Mechanical Engineering  
Undergraduate Student  
Funding or other research support: OUR Project Awards
Brendon Ortolano
IHMC Water Bridge
Co-Author(s): Joseph Lupton, Jacob Moses, Ronald Coro, Christian Carle, Josh Farina, Renan Barbosa, Preston Mann, Jaren Lawhon, Savannah Richardson
Faculty Mentor(s): Bradley Regez
Department: Mechanical Engineering
Undergraduate Student
Funding or other research support: OUR Project Awards

Nick Paciaroni
Suspension Design for a Competition Solar Car
Co-Author(s): Tyrell Owens, Eric Rowland, Thomas Hammond, Josh Aiken, Wesley Knowles, Dakota Lawson, Santos Garcia, Megan O’Neal
Faculty Mentor(s): Cheng Zhang
Department: Mechanical Engineering
Undergraduate Student
Funding or other research support: OUR Project Awards

Tyler Petrbok
Residential Solar Tracking Review
Co-Author(s): Connor Stevens, Sarah Aguirre
Faculty Mentor(s): Sam Gharehdaghi
Department: Mechanical Engineering
Undergraduate Student
Funding or other research support: OUR, Mechanical Engineering, OUR Project Awards

Trent Piotrowski
SAE Aero Argonautics OUR Symposium Abstract
Co-Author(s): Brandon Addison, Brandon Beckowitz, Gustavo Beltra, Carson Bronnenberg, Tyler Fortson, Liam Pilyon, Joshua Smiley, James Underwood, Nathan Waldorff
Faculty Mentor(s): Carolyn Mattick
Department: Mechanical Engineering
Undergraduate Student
Funding or other research support: OUR Project Awards, OUR Travel Award

Meridith Schmieder
Wireless Blind Spot Detection System
Co-Author(s): Danita Marcum, Gabriella Gressett, Curtis Becker
Faculty Mentor(s): Bassam Shaer
Department: Mechanical Engineering
Undergraduate Student
Funding or other research support: OUR Project Awards

Shane Smith
Argotots: Modified Vehicle for Children With Disabilities
Co-Author(s): Phillip Mitchell, Isaac Brunet, Fred Anderson, Cody Sewell, Selena Beasley, Harley Tagert
Faculty Mentor(s): Bradley Regez

Emily Terwilliger
Building a Baja Car
Co-Author(s): Shelbi Warner, Steven Thornton, Michael Letsinger, Jorge Guedez, Dalton Mason, Bryce Follett, Ben Cook, Jonathan Myers, Robert Strong, Kyle Preston
Department: Mechanical Engineering
Undergraduate Student
Funding or other research support: OUR Project Awards

Bethany Kelly
Exploring Design Trades To Extend Useful Life of Platform Terminal Transmitters on Sea Turtles
Co-Author(s): Zach Miles, Kenny Nguyen, Stone Hewitt
Faculty Mentor(s): Joseph Piacenza, Cheng Zhang
Department: Mechanical Engineering
Undergraduate Student
Funding or other research support: OUR Project Awards

WALL POETRY AS A COMMUNITY BEAUTIFICATION PROJECT

1:00–3:00PM
CANNON GREEN
Faculty Mentor: Jocelyn Evans
Kugelman Honors Program

Wall Poetry: The Big Picture
Student Co-Authors: Jesse Brown, Logan Mullins

Wall Poetry: Campus and Community Identity
Student Co-Authors: Hunter Lyons, Leesa Marie Price, Stefica Milor, Liz Teets, Raven Hunter

Wall Poetry: A Look at Finance and Feasibility
Student Co-Authors: Sofia Rundini, Jocelyn Daquila, Henry Kimberl, Fiama Mastrangelo, Sophia Porter
Wall Poetry: Creative Minds
Student Co-Authors: Erika Enriquez, Dixie Lauderdale, Lael Littell, Morgan Churchill, Bailyn Webb, Andrew Gregg, Morgan Guyette-Lancto, Grace Schulte

Wall Poetry: Keeping Track of it All
Student Co-Authors: Samantha Mumma, Mattie Wagner, Jessica Jones, Markus Madden, Sam Dickey, Rebecca Yates

OTHER SPECIAL SESSIONS

9:00AM–4:00PM
VARIOUS LOCATIONS IN COMMONS & CONFERENCE CENTER

CONTROVERSIAL CONQUESTS:
WAR, SEX AND CANNIBALISM IN THE SPANISH EMPIRE
9:00AM–11:00AM
GRADUATE STUDENT RESEARCH PANEL DISCUSSION
Room 272, Commons Bldg
Faculty Mentor: Erin Stone

Chris Johnson
Killing Quetzalcoatl: How the Reconquista led to the Spanish Conquest of Mexico
Faculty Mentor: Erin Stone
Early American Studies
Masters Student

Robert Petty
Conquistadors and the Aztecs: Spanish Military Tactics in the New World
Faculty Mentor: Erin Stone
Early American Studies
Masters Student

Maggie Crain
Bestial Bodies: Sex, Race, and the Intimate Colonial World on Display in Casta Paintings
Faculty Mentor: Erin Stone
History
Masters Student

AT-TALKS
9:00AM–12:00PM
UNDERGRADUATE STUDENT ORAL PRESENTATIONS IN ATHLETIC TRAINING
Conference Room B, Conference Center

Faculty Mentor: Chris Dake
Athletic Training Talks (AT-Talks) are an out of the box project that AT students complete each semester. These talks are designed to have students explore a skill, technology, or concept that they have been exposed to that textbooks do not completely cover. Students perform 4-6 minute presentations that are informative and concise.

Dutch Allen
Heart Rate Variability
Athletic Training
Undergraduate Student

Gabby Ball
CRISPR Gene Editing
Athletic Training
Undergraduate Student

Joseph Boyd
Instrument Assisted Soft Tissue Mobilization
Athletic Training
Undergraduate Student

Karli Conti
Zero gravity treadmill
Movement Sciences and Health
Undergraduate Student

Micaela Cooley
Athletic Training
Undergraduate Student

Faithe Franklin
PupilScreen
Athletic Training and Exercise Science
Undergraduate Student

Josh Gardner
Caffeine and Sports
Athletic Training
Undergraduate Student
Kylie Harris
MeTro Glue
Athletic Training
Undergraduate Student

William Hayes
High Intensity Stretching Routines for Patients with Adhesive Capsulitis
Athletic Training
Undergraduate Student

Kelsie Johnson
HyperSphere
Athletic Training
Undergraduate Student

Justin Klotz
AlterG Pro: Zero Gravity Treadmill
Athletic Training
Undergraduate Student

Zhakori Lewis
The importance of Athletic Trainers in Combat Sport
Athletic Training
Undergraduate Student

Marisha Little
Bridging the Cultural Gap among Navajo High School Students and the Athletic Training Profession
Co-Authors: Kelsey Vondenstein, Ashley Covington, Ignacio Barajas
Athletic Training
Undergraduate Student

Cameron Mackey
Telemedicine
Athletic Training
Undergraduate Student

Marcus Malley
Levitation Knee Brace
Athletic Training
Undergraduate Student

Dominque McWaine
PowerDot 2.0
Movement Sciences and Health
Undergraduate Student

Gracie Thurson
Electronic Aspirin
Athletic Training
Undergraduate Student

Ashlee Viray
Automatic CPR
Movement Sciences & Health
Undergraduate Student

Kelsey Vondenstein
Intervention and Diagnosis of Viral Myocarditis Causing Sudden Cardiac Arrest
Athletic Training
Undergraduate Student

Dylan Wilson
Athlete Recovery Sleepwear
Athletic Training
Undergraduate Student

JOHN MILTON AND THE RESISTANCE TO TEMPTATION 9:00AM-10:00AM
STUDENT RESEARCH DISCUSSION PANEL
Conference Room C, Conference Center
Faculty Mentor: Katherine Romack

Andrew Mathews
Re-versing the Curse of Comus
Faculty Mentor(s): Katherine Romack

Allicyn Baldwin
Pride goeth before destruction, and a haughty spirit before a fall':
Satan’s Willful Descent into Evil in Paradise Lost
Faculty Mentor(s): Katherine Romack

Nick Villanova
Decadent Milton: Exploring An Augustinian Christian Philosophy
Replicated in A Picture of Dorian Gray from Paradise Lost
Faculty Mentor(s): Katherine Romack
THE PASSIONS OF JOHN MILTON
10:00AM-11:00AM
STUDENT RESEARCH DISCUSSION PANEL
Conference Room C, Conference Center
Faculty Mentor: Katherine Romack

Elishia Perez Forrester
Reason and the Passions in Paradise Lost
Faculty Mentor(s): Katherine Romack

Nyralda Lindsey-Bradley
Fama in ‘Lycidas’
Faculty Mentor(s): Katherine Romack

Madelyn Almond
God by Merit; Man by Mercy
Faculty Mentor(s): Katherine Romack

EVALUATING THE QUALITY AND ACCESSIBILITY OF PUBLIC BEACHES
9:00AM-2:00PM
DISCUSSION & PRESENTATIONS
Conference Room A, Conference Center
Faculty Mentor: Jocelyn Evans
Kugelman Honors Program
In our geographic region, territorial disputes are common because of competing claims of ownership over beachfront access. Landowners claim to hold exclusive rights to beach access on their property. Other residents claim public ownership of the beach as a natural resource. This debate raises questions concerning the geographic boundaries of the “beach.” Where does the beach begin? Why does it begin there? Who says? What are their interests in defining it in such a way? The state of Florida recently passed a law limiting access to public beaches. However, there is currently a moratorium on its enforcement. This project involves firsthand observation of a sample of Gulf Coast beaches in Escambia, Santa Rosa, and Okaloosa Counties. Students will use a modified index developed by Dr. Vikas Mehta, professor of urban design, to evaluate beach access and quality. Students will use paper sketch maps to capture perceptions of spatial access and note features shaping space utilization (e.g. signs and fencing). The resulting data will demonstrate the utility of public space measures to systematically evaluating public beach access and quality. And students will engage in performative and installation art to capture the meaning and significance of this territorial contestation along Florida’s coast.

Elizabeth Barrett
Space Index and Sketch Mapping
Co-Authors: William Tice, Bruno Schmidt, Steven Fulton, Tucker Meece, Emerson Cheney

Jolvin Mejias Fernandez
Legal and Cultural Geography
Co-Authors: Riley Dibble, Dagan Duke, Elliot Miller, Brittney Duffy, Jessica Butler

Lucas Kimmel
Accessibility at the Beach
Co-Authors: Clark Bailey, Andrew Brown, Jackson Reimer, James Watkins,

Cameron Wakeland
Working with K
Co-Authors: Priya Pilla, Sydney Moore, Marisa McClatchey, Haliee Meenan, Sadie Hough

Cameron Wakeland
Art Installation
Co-Authors: Jamie Martinez, Faith Flawn, Reilly Allman, Patrick Luciani, Isabel Holland

MUSIC CONCERTOS 10:00AM-1:00PM
Music Hall, Center for Fine and Performing Arts
Faculty Moderator: Sheila Dunn

10:00 AM: Jahni Joisin, Isabelle Areola
Instrument: Piano
Piece: Concerto in c minor for two pianos by J. S. Bach (1685-1750)

10:15 AM: Andrew Gregg
Accompanist: Hedi Salanki
Instrument: Piano
Piece: Concert No 1, Op. 11 in e minor I. -Allegro Maestoso by Frederic Chopin (1810-1849)

10:30 AM: Elisha Miller
Accompanist: Blake Riley
Instrument: Soprano
Piece: “Toothbrush Time”, “Waitin”, “Surprise!”, and “George” from Cabaret Songs by William Bolcom b. 1938

10:45 AM: Kelly Pohl
Accompanist: Andrew Gregg
Instrument: Tenor
Three Gentlemen of Penzance; “The Pirate King”, “Oh Is There Not One Maiden Breast,” “I am the Very Model of a Modern Major-General” from The Pirates of Penzance by W. S. Gilbert (1836–1911) and Arthur Sullivan (1842–1900)

11:00 AM: Isabelle Peterson
Accompanist: Blake Riley
Instrument: Mezzo-soprano
Piece: La regata veneziana by Gioachino Rossini (1792-1868)

11:15 AM: Ashly Faircloth
Accompanist: Hyunjoo Kim
Instrument: Soprano
Piece: I Hate Music by Leonard Bernstein (1918-1980)

11:30 AM: Samantha Stott
Accompanist: Meredith Stemen
Instrument: Soprano
Piece: Fiançailles pour rire by Francis Poulenc (1899-1963)

11:45 AM: Justin Mozina
Accompanist: Blake Riley
Instrument: Trumpet
Piece: Concertino in Eb by Ernst Sachse (1810-1849), Edited by Stephen L. Glover and H.M. Lewis

12:00 AM: Joseph Herring
Accompanist: Meredith Stemen
Instrument: French Horn
Piece: Horn Concerto No. 2 TrV 283 Movement 1 by Richard Strauss (1864-1949)

12:15:00 PM: Nate McManus
Accompanist: Meredith Stemen
Instrument: trumpet
Piece: Concerto No. 1 in Eb by Johann Wilhelm Hertel (1727-1789)

12:30PM: Noah Klauss
Instrument: Cello
Piece: J.C. Bach (1685-1750)/H. Casadesus - Cello concerto in C minor (it was finished by Casadesus in 1947) 1. Allegro molto ma maestoso 2. Adagio molto espressivo 3. Allegro molto energico

12:45 PM: Margaret Duke
Accompanist: Blake Riley
Instrument: Viola
Piece: Viola concerto in D major 1st movement by Franz Hoffmeister (1754-1812)

NEW DIRECTIONS IN HISTORY OF ART: THE VISUAL TURN 12:00PM-3:00PM
UNDERGRADUATE STUDENT ORAL PRESENTATIONS IN ART HISTORY METHODS
Room 272, Commons Bldg
Faculty Mentor: Justin Sturgeon

NATIVE AMERICAN WOMEN’S POETICS #1 12:00PM-1:00PM
STUDENT RESEARCH DISCUSSION PANEL
Conference Room C, Conference Center
Faculty Mentor: Nicholas Mohlmann

Brittany Hinkle
The Injustices Continues

Crystal Holt
Proposal

Olivia Mendez
Cultural Appropriation and Native American Heritage

Kylie Pugh
Inequality in the Ways of Knowing

NATIVE AMERICAN WOMEN’S POETICS #2 1:00PM-2:00PM
STUDENT RESEARCH DISCUSSION PANEL
Conference Room C, Conference Center
Faculty Mentor: Nicholas Mohlmann

Elishia Perez
Clay Beads and Ghost Fingers

Delaney Anderson
Use of Navajo Ritual to Represent Colonization in Rain Scald

Tressie Davis
i mua over their queynt might

Katelyn Tener
Proposal for Kula: Defining Where One Comes From
**NATIVE AMERICAN WOMEN’S POETICS #3**  
2:00PM–3:00PM

**STUDENT RESEARCH DISCUSSION PANEL**  
Conference Room C, Conference Center  
Faculty Mentor: Nicholas Mohlmann

Chelsea Cournyea  
*Proposal Draft*

Michaela Meggison  
*Classroom Colonization Proposal*

Tana Rogers  
*Proposal*

Maddy Thomas  
*The Goddess of Fire Proposal*

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**MUSIC LECTURE RECITALS**  
2:00PM–3:30PM

Music Hall, Center for Fine and Performing Arts  
Faculty Moderator: Sheila Dunn

2:00 PM: Erica Scharrón  
Title: “You Think This Torment is Romantic? Analyzing the Link Between Genius and Madness”

2:15 PM: Morgan Seip  
Accompanist: Meredith Stemen  
Piece: Wanderers Nachtlied II by Franz Schubert (1797-1828)  
Title: “Franz Schubert’s effortless fusion of poetry and music and his immeasurable contribution to the art of the Lied”

2:30 PM: Harry Larimer  
Title: “Peering down the stroboscope – raising awareness of dysphonia, its diagnosis, and its treatment”

2:45 PM: Kelly Pohl  
Title: “Courting Clara: An exploration of Schumann’s Liederjahr and his quintessential song cycle, Dichterliebe”

3:00 PM: Alisha Hernandez  
Accompanist: Meredith  
Title: “The Phoenix of Mexico, Sor Juana Ines de la Cruz: the enduring themes in women’s words, image and sound across time and culture.”

3:15 PM: Jonathan Frederickson  
Accompanist: Hyunjoo Kim  
Title: “*Spoiler alert: the hurdy-gurdy man’s song is the last one you will ever hear. Examining Schubert’s Winterreise: a stark musical journey of despair and isolation.*”

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**STUDENT PRESENTATIONS**  
2:00PM–4:00PM

Lounge, Conference Center  
Faculty Mentors: Thomas Asmuth, Joseph Herring, Amy Ruddick

Iian Berkstein  
*Designing a Designer Toy*  
Faculty Mentor: Joseph Herring  
Undergraduate Student  
Funding or other research support: OUR Project Award

Margaret Crane  
*Installation Structures and Visual Merchandising Using Various Materials*  
Faculty Mentor: Joseph Herring  
Undergraduate Student  
Funding or other research support: OUR Project Award

Christopher Dexter  
*Colossal Exhibition Signage*  
Faculty Mentor: Joseph Herring  
Undergraduate Student  
Funding or other research support: OUR Project Award

Christopher Espejo  
*Caffeinated Surrealism*  
Faculty Mentor: Thomas Asmuth  
Undergraduate Student  
Funding or other research support: OUR Project Award

Tyler Grubb  
*Guerrilla Marketing Campaign for COLOSSAL: UWF BFA Graphic Design Exhibition*  
Faculty Mentor: Joseph Herring  
Undergraduate Student  
Funding or other research support: OUR Project Award

Jesse Steele  
*Shadows, Plexiglass, and Human Interaction*  
Faculty Mentor: Joseph Herring  
Undergraduate Student  
Funding or other research support: OUR Project Award
STEAM IN ACTION: STUDENTS’ REFLECTIONS ON THE VALUE OF MULTIDISCIPLINARITY

3:00PM-4:00PM

Commons Auditorium

Faculty Mentor: Marie-Therese Champagne

This student discussion panel and poster session will be composed of a representative from each of the programs that participated in “Daily Life in Ancient Rome” on March 20 and 21, 2019, a STEAM multidisciplinary project. The representatives will present their perspectives on the value of multidisciplinarity and whether their understanding of their own research topic benefited from the perspectives of other disciplines.

Hayden Cornelius
The Power of Religion and Symbolism in Ancient Rome
Co-Author(s): Jessica White
Faculty Mentor: Champagne Marie Therese
History
Undergraduate Student

Markus Madden
Modernizing the Fresco
Co-Author(s): Brooke Hull, Jolie Sebastian
Faculty Mentor: Ransom Marzia
Art
Undergraduate Student

Alyssa Webb
Political Influences on Religion: Cults of Ancient Rome
Co-Author(s): Rowan Pelfrey
Faculty Mentor: Champagne Marie Therese
History
Undergraduate Student

EARTH & ENVIRONMENTAL SCIENCE SENIOR SEMINAR

3:00PM–4:00PM

CLASS POSTER PRESENTATIONS
Conference Room A, Conference Center

Faculty Mentor: Chasidy Hobbs
Seniors from the Earth & Environmental Sciences department present either undergraduate research or internships worked on while completing degree requirements in a poster session.

Matt Allen
Faculty mentor(s): Chasidy Hobbs
Earth and Environmental Science
Undergraduate Student
Funding or other research support: SURP

Justin Causey
Title TBA
Faculty mentor(s): CHASIDY HOBBES
Earth and Environmental Science
Undergraduate Student
Funding or other research support: SURP

Ethan Cruz
Infiltration Rate/Hydraulic Conductivity of Soils on UWF Main Campus
Faculty mentor(s): Chasidy Hobbs
Earth and Environmental Science
Undergraduate Student
Funding or other research support: SURP

Jonah Cruz
Using ArcGIS to highlight potential water pollution sources in DeSoto County, FL.
Faculty mentor(s): Amber Bloechle
Earth and Environmental Science
Undergraduate Student
Funding or other research support: SURP

Kelly Anne Dunn
Faculty mentor(s): Chasidy Hobbs
Earth and Environmental Science
Undergraduate Student
Funding or other research support: SURP

Jordana Lujan Ferreyra
Faculty mentor(s): Chasidy Hobbs
Earth and Environmental Science
Undergraduate Student
OTHER SPECIAL SESSIONS

Michael Garrett
Shoreline Development and Escambia Bay Water Temperatures
Faculty mentor(s): Chasidy Hobbs
Earth and Environmental Science
Undergraduate Student
Funding or other research support: Honors, SURP

Isaac Gonzalez
Faculty mentor(s): Isaac Gonzalez
Earth and Environmental Science
Undergraduate Student
Funding or other research support: SURP

Chris Hunt
Wind Dynamics at an Erosional Wall in the Throat Region of a Peanut Blowout Dune on Santa Rosa Island, Florida.
Faculty mentor(s): Chasidy Hobbs
Earth and Environmental Science
Undergraduate Student
Funding or other research support: SURP

Adam Kohl
Identifying a positive correlation between 2015 VIIRS NTL data and GDP data using sub-categories of GDP in Alabama, Georgia, Florida, North Carolina, South Carolina, and Tennessee MSAs
Faculty mentor(s): Zhiyong Hu
Earth and Environmental Science
Undergraduate Student

Aspen Martin
How common diets affect the environment
Faculty mentor(s): Chasidy Hobbs
Earth and Environmental Science
Undergraduate Student
Funding or other research support: SURP

Ara Metz
Faculty mentor(s): Chasidy Hobbs
Earth and Environmental Science
Undergraduate Student
Funding or other research support: SURP

Natalie Rockett
Faculty mentor(s): Chasidy Hobbs
Earth and Environmental Science
Undergraduate Student

Gregory Rowland
Analyzing Potential Police Station Locations in San Diego, CA
Faculty mentor(s): Chasidy Hobbs
Earth and Environmental Science
Undergraduate Student

Emily Schroeder
Title TBA
Faculty mentor(s): Chasidy Hobbs
Earth and Environmental Science
Undergraduate Student
Funding or other research support: SURP

Malina Swayne
Evaluating the Benefits of Volunteering for the National Park Service Through Review of My Personal Experiences
Faculty mentor(s): Chasidy Hobbs
Earth and Environmental Science
Undergraduate Student
Funding or other research support: SURP
<table>
<thead>
<tr>
<th>Author Name</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Varnum, Steven</td>
<td>15</td>
</tr>
<tr>
<td>Vertudez, Mia</td>
<td>12</td>
</tr>
<tr>
<td>Vickers, Daniel</td>
<td>28</td>
</tr>
<tr>
<td>Villanova, Nick</td>
<td>35</td>
</tr>
<tr>
<td>Vining, Mallory</td>
<td>12</td>
</tr>
<tr>
<td>Viray, Ashlee</td>
<td>26, 35</td>
</tr>
<tr>
<td>Vuong, Jimmy</td>
<td>26</td>
</tr>
<tr>
<td>Wagner, Mattie</td>
<td>34</td>
</tr>
<tr>
<td>Wagner, Michael</td>
<td>31</td>
</tr>
<tr>
<td>Waidner, Lisa</td>
<td>10, 12, 14</td>
</tr>
<tr>
<td>Wakeland, Cameron</td>
<td>17, 36</td>
</tr>
<tr>
<td>Waldorff, Nathan</td>
<td>33</td>
</tr>
<tr>
<td>Walker, Matthew</td>
<td>32</td>
</tr>
<tr>
<td>Walter, Christopher</td>
<td>15</td>
</tr>
<tr>
<td>Wang, Tingfeng</td>
<td>18</td>
</tr>
<tr>
<td>Wang, Xiaojian</td>
<td>16</td>
</tr>
<tr>
<td>Wang, Zian</td>
<td>31</td>
</tr>
<tr>
<td>Ward, Savanna S</td>
<td>15</td>
</tr>
<tr>
<td>Warner, Shelbi</td>
<td>33</td>
</tr>
<tr>
<td>Waters, Caitlin</td>
<td>11</td>
</tr>
<tr>
<td>Watkins, James</td>
<td>36</td>
</tr>
<tr>
<td>Watson, Tyler</td>
<td>17</td>
</tr>
<tr>
<td>Wayer, Sarah</td>
<td>27</td>
</tr>
<tr>
<td>Webb, Alyssa</td>
<td>24, 39</td>
</tr>
<tr>
<td>Webb, Baily</td>
<td>34</td>
</tr>
<tr>
<td>Wei, June</td>
<td>25</td>
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