



2019 ANNUAL CONFERENCE

PERCEPTIONS

POSSIBILITIES

PARADOXES

Hosted By



**SEMINOLE
STATE COLLEGE**

GRINDLE HONORS INSTITUTE

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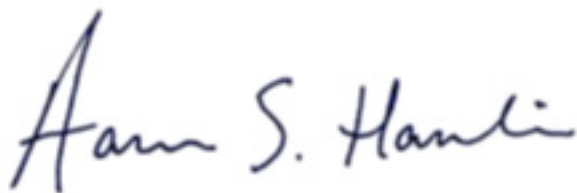
**WRITING & FINE
ARTS CONTEST**

Dear Honors Students and Colleagues,

On behalf of the Florida Collegiate Honors Council executive board and the Grindle Honors Institute at Seminole State College, welcome you to the 2019 Florida Collegiate Honors Council Annual Conference! We are pleased that you have chosen to spend the weekend with us. I am hopeful you will meet new friends and enjoy celebrating the work of students, faculty, and staff from across the state of Florida.

Our theme this year is “Perceptions, Paradoxes, and Possibilities.” It is our hope that this theme will encourage educational exchanges that consider the way the world appears and functions. This year’s theme relates to both scientific breakthroughs as well as socio-cultural and value changes. Throughout the weekend, we encourage you to consider perceptions of reality, individually or collectively, to question assumptions and long-held beliefs, and to consider how shifts in perceptions and values affect our society.

I want to thank the Seminole State College faculty, staff, and students as well as the FCHC executive board in all their hard work in making this a successful conference.



Aaron Hanlin
FCHC President-Elect and 2019 Conference Chair
Director, Grindle Honors Institute
Seminole State College of Florida

FRIDAY, FEBRUARY 8

3:00 - 6:00 PM	Registration	Crystal Foyer
6:30 - 8:00 PM	Dinner	Crystal Ballroom
8:00 - 8:15 PM	Get Involved with FCHC	
8:30 - 10:30 PM	Student Reception	Crystal Ballroom
8:30 - 10:30 PM	Director's Reception	U Restaurant

SATURDAY, FEBRUARY 9

7:00 - 9:00 AM	Breakfast	Crystal Ballroom
8:00 - 10:00 AM	Registration Tables Open	Crystal Foyer
9:00 - 9:50 AM	Breakout Sessions I	Various Locations
10:00 - 10:50 AM	Breakout Sessions II	Various Locations
11:00 - 11:50 AM	Breakout Sessions III	Various Locations
12:00 - 1:30 PM	Lunch	Crystal Ballroom
	<i>Welcome Address, Dr. Georgia Lorenz</i>	
	<i>Art Contest Award Winners</i>	
	<i>Writing Contest Winners</i>	
	<i>Scholarship Award Winners</i>	
2:00 - 2:50 PM	Breakout Sessions IV	Various Locations
3:00 - 3:50 PM	Breakout Sessions V	Various Locations
4:00 - 4:50 PM	Breakout Sessions VI	Various Locations
5:30 PM	Dinner (on your own)	

SUNDAY, FEBRUARY 10

7:00 - 9:00 AM	Breakfast	Crystal Ballroom
9:00 - 11:00 AM	Poster Session	Royal Palm Ballroom
9:00 - 11:00 AM	Writing Contest Presentations	
	Creative Writing and Poetry	Capital Salon I
	Documented Research/Critical Thinking	Capital Salon II
11:00 - 11:30 AM	Faculty/Staff Meeting and Election of 2019-2020 FCHC Executive Board	Capital Salon I
11:00 - 11:30 AM	Student Meeting & Election of 2019-2020 Student Representatives	Capital Salon II
12:00 - 12:30 PM	Annual Business Meeting	Capital Salon I
12:30 - 1:30 PM	Executive Board Meeting	Capital Salon I

ABOUT FCHC

The Florida Collegiate Honors Council (FCHC) is a professional association of undergraduate honors programs and colleges in Florida. FCHC is closely associated with the Southern Regional Honors Council (SRHC) and the National Collegiate Honors Council (NCHC). Since the early 1990s, FCHC has held an annual conference in February for Florida Honors students, faculty, directors, and deans. The conference provides an opportunity to network with Honors professionals and Honors students, to share Honors expertise, and to hear presentations from across many disciplines.

MISSION

The mission of FCHC is:

- To provide a forum for sharing information about and improving the quality of Honors programs;
- To provide students with greater opportunities for intercollegiate Honors program activities;
- To collaborate with the regional and national organizations which have similar goals;
- To encourage articulation and collaborative programming between Honors programs at associate and baccalaureate institutions;
- To increase the public and private awareness of and fiscal commitment to Honors programs and projects.

FCHC EXECUTIVE COMMITTEE

Clay Motely	President	Florida Gulf Coast University
Leslie Kaplan	Past President	University of North Florida
Aaron Hanlin	President-Elect	Seminole State College of Florida
Rachel Luria	Vice President	Florida Atlantic University
Janet Haavisto	Secretary	Jacksonville University
Kyla Williams	Treasurer	Broward College
Quakish Liner	Scholarship Coordinator	Broward College
Kate Kellen	Writing Contest Coordinator	Seminole State College of Florida
Trent Tomengo	Art Contest Coordinator	Seminole State College of Florida
Angela Mick	2 Year Public Representative	Hillsborough Community College
(Open)	4 Year Public Representative	
Kasey Tillman	4 Year Private Representative	University of Tampa
Vinicius Vieira	2 Year Public Representative	Hillsborough Community College
Eddie Thinger	4 Year Public Representative	Florida Gulf Coast University
Jason Behnke	4 Year Private Representative	University of Tampa
James Rowland	Webmaster	Florida Collegiate Honors Council



FGHC MEMBER INSTITUTIONS

ETIQUETTE

In order to ensure a positive conference experience, we ask that participants follow these guidelines:

- Conference name badges should be worn at all times including sessions, meetings, and meals.
- Be considerate of when session times begin and end. If you need to leave early, please wait until a presenter has finished their presentation.
- Please arrive to the session you are attending at least five minutes early.
- Presenters utilizing A/V should set-up and test their equipment prior to the start of a session.
- Show respect for the presenters by turning off your electronic devices.
- Moderators should be in every session to make sure presentations run the appropriate length and to moderate the Question and Answer session afterward.
- Show respect for other guests at the hotel.
- Dress appropriately for all conference events.

MEALS

Breakfast is included in the hotel room rate. Breakfast tickets for up to four guests per room will be issued upon check-in.

Dinner on Friday night and lunch on Saturday are included in the conference registration rate. Attendees will be responsible for their dinner on Saturday evening. A list of local restaurants is provided at the registration desk.

TRANSPORTATION

The hotel offers complimentary shuttle service within a three (3) mile radius of the hotel.

FLOOR PLAN FOR CONFERENCES & EVENTS ROOMS



- KEY**
- Meeting/Conference Rooms
 - Food & Beverage
 - Amenities
 - Restroom

HOTEL MAP

OVERVIEW

FRI

3:00 - 6:00 PM

REGISTRATION

Crystal Foyer

6:30 - 8:00 PM

DINNER

Crystal Ballroom

8:00 PM

**GET INVOLVED
WITH FCHC**

2019-2020 Election
Information

Crystal Ballroom

8:15 PM

CHAIR YOGA

Relax prior to the beginning
of Breakout Sessions

Crystal Ballroom

8:30 - 10:30 PM

**STUDENT
RECEPTION AND
TRIVIA**

Crystal Ballroom

8:30 - 10:30 PM

**FACULTY/STAFF
RECEPTION**

U Bar

SAT

OVERVIEW

7:00 - 9:00 AM

BREAKFAST

Crystal Ballroom

9:00 - 9:50 AM

**BREAKOUT
SESSION I**

Various Locations

10:00 - 10:50 AM

**BREAKOUT
SESSION II**

Various Locations

11:00 - 11:50 AM

**BREAKOUT
SESSION III**

Various Locations

12:00 - 1:30 PM

LUNCH

Crystal Ballroom

2:00 - 2:50 PM

**BREAKOUT
SESSION IV**

Various Locations

3:00 - 3:50 PM

**BREAKOUT
SESSION V**

Various Locations

4:00 - 4:50 PM

**BREAKOUT
SESSION VI**

Various Locations

5:30 PM

DINNER

On Your Own

See Suggested
Locations

6:30 PM

FREE TIME

See Around Altamonte
Guide

CAPITAL SALON I

Ireland Wiedholz Abbot
Florida Southwestern State College

An Abundance of Algae: Limiting Nutrient Loading to Reduce Harmful Algae Blooms

As Florida continues to overload its precious local water sources with large amounts of nutrients, many people only see Harmful Algae Bloom's (HABs) devastating effects on the environment, the economy, and their own health. Residents and visitors alike assume the problem is only in the hands of large corporations and agricultural businesses. Solutions currently offered typically only give short-term results and can involve adding more chemicals, such as algacides, into the water. To prevent the continuous growth of HABs by limiting total nitrogen and phosphorus inputs, we must first change our perceptions about how each person is personally affecting the environment and the value of Florida's watersheds. While we need to influence policy makers to enforce stricter regulations, Florida residents can contribute by educating the public and practicing more sustainable techniques. Changing our perspective on the environment is key to reducing the effects of HABs on the environment.

Anna Raquel Tripp
Jacksonville University

Temporal Changes in the Abundance of Inshore and Offshore Stoplight, Redband, and Rainbow Parrotfish in the Lower Florida Keys, USA

The Lower Florida Keys make up part of the Florida Keys National Marine Sanctuary (FKNMS) which consists of the Florida Reef. As of today, there is little information on how factors affect the parrotfish abundance and size in the FKNMS. A specific factor of interest that may affect the abundance and parrotfish size are temporal changes. So, the question for this paper is, do temporal changes influence the abundance and size of inshore and offshore parrotfish in the Lower Florida Keys, USA? Three parrotfish species were studied: Stoplight, Redband, and Rainbow parrotfish. This study is supported by primary data which was collected by Jacksonville University students and Dr. Daniel McCarthy from August 2015-August 2017. The parrotfish were observed in three to six inshore and offshore sites. The purpose of this study is to gain a greater understanding of these species abundance and size to aid in their conservation management.

Owen David McNamara
Florida Atlantic University

The Effect of Red Tide on Florida's Wildlife and Tourism

Red tide kills thousands of organisms each summer off the coasts of Florida. This annual algal bloom is a direct result of the improper waste water management of the Lake Okeechobee agricultural area. There are solutions to this issue that are met with opposition from the Florida sugar industry and lobbyists who profit off of the cheap runoff methods currently in place. This presentation will speak about how the red tide affects the wildlife in the coastal waters of Florida, how the resulting effects of the major fish kills can deter tourism to the state and harm businesses on both coasts, and what can be done in order to help fight this recurring issue.

CAPITAL SALON II

Aubrie Marie Gibbons
Florida Atlantic University
The Violence Contagion

At present, the American populace is engulfed in a paradox in which perceptions of crime rates are considerably higher than actual crime rates. Given both the populace's preoccupation with the threat of violent crime as well as the impacts of violence on the psyche and body of victims, it would seem valuable to explore the ways in which violence spreads. Throughout the semester, I have researched and written about the concept of 'The Violence Contagion,' a theory which asserts that violence transfers between people in the form of a disease. The similarities between the spread of violence and the transference of disease are significant in three ways: transmission patterns, historical treatment of those afflicted, and the influence of risk factors.

Olivia Alice Ducram
Florida Atlantic University
Prison Visitation

Over the summer of 2018 the Florida Department of Corrections deliberated over restricting prison visitation to every other weekend, which risks increasing recidivism rates, as incarcerated men and women will have no familial contact to maintain social networking outside of prison. The FDOC stated the proposed visitation restriction are precaution due to the influx of contraband. However, inmate families argue that restriction of visitation is an attempt to replace in-person visitation with video call services. Rather than fault families, I argue the FDOC should focus its funds on programs and staff training, in order to reduce in-prison crime and recidivism rates. I will problematize the FDOC's response to illegal contraband and their use of funding against the benefits of visitation and the necessity of prison programs. It is imperative, for the safety of both the officers and the inmates, that the focus of prison be on rehabilitation, not just incarceration.

Ryan Louis Bisson
St. Petersburg College
Spanking: Human Rights Violation or Necessary Evil?

Spanking leaves a lasting negative impact on a child; one study has found that there is a correlation between how much an individual was spanked or slapped as a child, and lifetime anxiety disorders or alcohol abuse. Studies have not shown spanking to have any positive effects on children. Additionally, research has discovered physical discipline elicits conformity in the moment, but later in life led to aggression and trouble behaviors. Physically punishing a child is a violation of basic human rights and should have no place in modern society. Hitting an adult is not tolerated, however children, the most vulnerable members of society, are allowed to be physically punished by adults. The harmful effects of spanking are well documented, and backed up by science and research; therefore, the United States should ratify the CRC (Convention on the Rights of the Child) and abolish spanking.

DOGWOOD

Reinaldo Cabrera-Pérez
Hillsborough Community College

The Influence of Language: Perceptions, Paradox, and Possibilities

The human experience has much to do with perception which is influenced through language. Every language has its own unique characteristics. Language and other influences such as geographic and environmental factors, shape the way people act, think, and perceive. Over time language evolves often borrowing words from other languages. Identity through language shapes individual thought. Paradoxes such as contradictions, anomalies, enigmas, and errors occur through language. As a result, this leads to new possibilities in the evolution of language including the modification of language itself.

Yarinez Batista
Florida Atlantic University

It's Pronounced "Yat-cht": The Psychological Effects of Nominal Mispronunciation

When one's name is routinely mispronounced, it is more than a mere mispronunciation; it becomes a refusal to acknowledge and appreciate an aspect of a person's identity. Someone's name is a reflection of one's identity, history, and culture. This presentation will discuss the power of a name as a label and the importance of making the effort to pronounce it correctly. We will discuss the topic using personal examples, examples in media, and historical contexts.

Alyssa Payne
Florida Atlantic University

The "Spanglish" Debate: Sociocultural Influences & Hispanic Identity

In recent years, "Spanglish" has become increasingly prevalent among Hispanic communities in the United States. This transition from communicating monolingually to using a mixture of Spanish and English appears to have integrated itself as a sociocultural norm, especially in the daily lives of recent Hispanic generations raised in bilingual environments. In turn, this phenomenon has sparked conversations regarding the origins, permeance, and role of Spanglish in what constitutes the Hispanic identity. With the existence of an overwhelming amount research and articles on the matter, this presentation will address these topics in addition to explaining the varying perspectives of where Spanglish is classified in both those within and outside of the Hispanic community.

WALDORF

Michelle Helminen
Florida Gulf Coast University

Workshop: Violence Prevention Online

After attempting a quasi-cross-sectional study on violence prevention efforts with the Lee County Public Schools, I decided that a more widespread and immediate approach was necessary when the community partner I was working with was unwilling to take on the liability issues regarding surveying children about violence they may be predisposed to from inside their homes. Violence is preventable, and precursors to it can be detected, even in youth. I created a website and am developing an incognito app, in the Runway Program, where victims of intimate partner violence can go to receive down-to-earth education about recognizing if they're being abused, online therapy to build their self-esteem enough to attend in-person therapy in their local areas, where rural shelters can gain access to more support, and many other resources to help save someone's life. Tracking research already suggests high need for government funding in our area.

Riley Lampert, Karelyn Figueroa, Dakota Holley

Daytona State College

#Thinspiration: Linking Instagram Use and Diagnosable Eating Disorder Symptoms in High School Students

As Instagram gains popularity, it becomes increasingly necessary to examine its impact on the psychological health of its users. This study aimed to evaluate the relationship between Instagram use and diagnosable eating disorder symptoms in high school students between the ages of 14 and 19 as a measure of this influence. To do so, researchers conducted a survey of 232 local high school students, assessing their Instagram use, self-esteem, body dissatisfaction, and presentation of diagnosable eating disorder symptoms. The results of this study indicate negative correlation between Instagram use and eating disorder symptoms: as Instagram use increases, symptoms decline. These findings supplement existing research (Feltman & Szymanski, 2018; Frison & Eggermont, 2017; Ging & Garvey, 2018; Sherlock & Wagstaff, 2018) on the impact that Instagram has on its users' psychological health and illuminate the unique relationship between high school students and social networking services.

Kayla Umpierre

Daytona State College

The Relationship Between Instagram Use and Depressive Symptoms

Social medias such as Instagram have been gaining traction in popularity and thus have sparked the interest of researchers (Marino, Toma, Sherlock). Researchers previously investigated the causes of attraction to these platforms, as well as effects it has on users. The purpose of this study is to study the effects of Instagram on its users' mental health, specifically on depressive symptoms. In attempt to find the relationship between Instagram use and depressive symptoms we used a sixteen-question survey and asked participants to self-identify whether and how much they exhibit the symptoms for depression. This was done using a two-tailed difference of means test. Although the initial thought was that instagram users had a significant difference in the number of depressive symptoms, the most interesting data was that there was a significant difference of the number of depressive symptoms in Instagram users between individuals who prefer to view celebrities vs. family/friends.

Chelsea Cima Neder

Daytona State College

The effect of Instagram on College Aged Student's Self Esteem

The purpose of this study is to explore the relationship between the use of Instagram and how it affects an individual's overall body image. For the researchers to conduct the current study, they created a ten question survey designed for Daytona State College students aged 16-25. The difference in means tested the hypothesized study and created the negative and positive correlation. The results found Instagram to be a positive influence rather than a negative influence in reference to an individual's body confidence.

CAPITAL SALON I

Courtney Purcell
Jacksonville University

Low Cost Triboelectric Device for Harvesting Residual Mechanical Energy

Certain materials generate charges due to friction at surface of contact during motion. The charges are generated at the surface if the surfaces on contact have different affinity to electrons. Such charges are called triboelectric charges which are wasted as static electricity. Developing mechanisms that generate triboelectric current from these static charges can serve as alternative method of energy generation from residual mechanical energy. Devices with nanostructured surfaces that perform such functions are called triboelectric nanogenerators (TENGs). We present our work on developing cost effective TENG devices based on commonly found printing paper as nanostructured components. Along with paper, we use polyimide film as substrate surface to construct TENG devices. Electricity generated from these devices can be used to operate electronic devices or stored. We will discuss the process of optimization of the output power of TENGs based on electrode geometries and use of various substrate materials with different electron affinity.

Joshua Pruitt
Jacksonville University

Automated Precipitation Sampler

The design of an Automated Precipitation Sampler is an ongoing, collaborative project between the Marine Science Research Institute (MSRI) and the Engineering Department at Jacksonville University. The MSRI uses rainwater samples to further study the hydrogen and oxygen isotopes, as well as the ions in the rainwater. It is important to collect and test these samples with as little contamination and evaporation as possible. that can collect rainwater autonomously. The device should be able to gather information related to specific rainfall periods, as well as notify the MSRI when rainfall begins and ends, and collect the samples, grouping them specific to rainfall periods. Research has been related to the development of the current design, as well as creating a better, cheaper design for the device. The key factors of this design that have required extensive research are related to the method for filling the test tube samples, the capping mechanism for the samples, the automation and code, as well as the storage and drainage of the system. The group will continue to research the best methods for this design as the design is required to analyze the water without the risks of contamination, evaporation and manual labor. The final product will be a more efficient method of collection that does not require manual labor or give up the risks of contamination and evaporation, ultimately giving the most accurate result possible.

Phillip Billings, Nathaniel Blackowiak
University of West Florida

UWF Human Powered Vehicle Project

The UWF Kugelman Honors Program, in conjunction with the Engineering and Exercise Science Departments, began the Human Powered Vehicle Project in Spring of 2018. Many universities across the nation have similar teams, but few integrate departments outside of mechanical engineering. The ultimate goal of this project is to build a human powered vehicle, like a bicycle, which can travel upwards of 100 miles per hour and compete in the 2020 world competition. So far, our team has disassembled various bikes and have been hard at work building our first prototype. This year, we will be competing in ASME E-Fest North in Michigan with our first prototype bike. During this presentation, we will discuss our project progress and present the various challenges we have faced while building a complex machine.

CAPITAL SALON II

Danielle Tjon
Broward College
An Asian Abroad

Traveling is the most exciting and exhilarating journey one can appreciate; however, not everyone has the same experiences. Gender, ethnicity, and physical appearance are all factors that could lead to different paths while traveling, despite visiting the same destinations. I plan to explore more on this topic through my personal travels studying abroad in Sevilla, Spain, and ask other Broward College students on their experiences. I also had the opportunity to visit Sao Rafael, Portugal; Amsterdam, Netherlands; Paris, France; and multiple cities in Morocco. Growing up in South Florida's melting pot, I am constantly questioned of my background. I get a widespread of guesses: Hawaiian, Filipino, Native American, and of course, Chinese. Since I have experienced this in America, I expected the same behavior during my time in Spain. What I failed to realize is that even though Europeans are curious to know things, they are not as brave as Americans to just ask. It also did not register for me that the places I visited are filled with tourists from all over the world. However, I did experience some racial problems during my time in Morocco. Being a heavily populated Muslim country, Morocco is a very intimidating country for women travelers. Lingering stares and continuous whistles from guys were heard as our study abroad group walked the cobbled streets. Some of the girls were even harassed, even though they were covered from head to toe. What I realize now is that the outcome of being Asian Abroad depends on location, history, people, and values of the country.

Jane Marie Lozada Foster
Seminole State College of Florida
Assessing Students' Learning about the Troubles in Northern Ireland

In Northern Ireland, 94% percent of students attend either a Catholic or a Protestant school with only 6% of students attending integrated schools. Given the nature of the conflict during the Troubles, my hypothesis is that these schools teach history differently. By analyzing students' responses to imagery, interviewing young adults about their history education, and analyzing curriculum texts and instructors' methods when teaching the Troubles, it was possible to assess how school religious affiliations impacted students' learning and perspectives. The findings concluded that religious affiliation has less of an influence than how much conflict a community has experienced historically. Students who are in high-conflict areas receive very little instruction on the Troubles, while students in rural areas that experienced less conflict have a better chance of receiving substantial instruction with exploration into differing perspectives. By emphasizing inquiry-approach education that allows students to explore differing perspectives, students can build better relations with members of other religions in their community.

Lindsey Frein
University of Tampa
Sociocultural Perceptions of Slavery

The Spanish American independence struggles caused Venezuelans to migrate in search of refuge from political instability but also presented opportunities for the region's Afro-descendant people to achieve a degree of freedom. Letters addressed by José Policarpo Ortiz to the powerful plantation masters the Marquis del Toro and Fernando del Toro, reveal valuable insights about the independence movement and the enslaved population's own struggles for freedom. The existence of such letters, which were prohibited in Caraccas in 1816, yield information about the values of an elite slave-owning family in a period during which there is little known about the brothers. My paper will explore how their experiences as refugees seeking political asylum exposed shifts in sociocultural perceptions of slavery. Their active support of slave emancipation was one facet of the changing perceptions about freedom which affected not only the migration and rights of these two refugees but the entirety of Venezuela.

DOGWOOD

Tracey Belle Tobkin
Florida Atlantic University

Watercolor: The Medium of Life

What is the medium of life? Water achieves so much of which no other chemical is capable. When water is used as an artform, what does it reveal to us about living things? How does it open our perspective to the world around us? Watercolors are one of many overlaps between art and science as they allow us to newly visualize life of the natural world using the water and light fundamental to it. Through watercolor painting, the interrelationships of our universe can be better understood. This presentation will explore how the fluidity of water, the quality of light, and the theory of color coalesce to illustrate the wonder of life.

Sarah Elizabeth Buckman
Jacksonville University

Transgenerational Genetic Changes Stemming from Trauma: An Interdisciplinary Reading of Toni Morrison's Beloved

This study utilizes an interdisciplinary approach to analyze character development in Toni Morrison's *Beloved* using biological research on transgenerational genetic changes due to trauma. The application of this research to the characters in *Beloved* illuminates what physical changes could occur to an individual's genetic makeup after a traumatic experience. Many characters in *Beloved* suffer from post-traumatic stress disorder symptoms resulting from their experiences of enslavement. *Beloved's* narrative about the trans-Atlantic slave traffic utilizes descriptive imagery to convey a collective memory that goes beyond her personal experience. Drawing upon the most recent research on transgenerational genetic modification, this interpretation examines the impact of trauma in Morrison's characters who live with the presence of terror even after their escape from slavery, a somatic presence we call "racial memories." Furthermore, this interpretation explores how Morrison portrays transgenerational genetic changes that stem from trauma.

James Alexander Adaryukov, Hannah Tarleton
Florida Atlantic University

iLove: Romance and Sex in a Digital World

As digital technology has become an integral part of everyday communication, it has begun to define and redefine our relationships with each other. From simple voice-chat and social media platforms to specialized inventions such as VR immersion chat and Realbotix, an increasing body of devices are either being repurposed for or dedicated to matters of love and sex. However, academic research into these new forms of interaction tends to stigmatize them, painting them as symptomatic of larger issues or inherently problematic. This presentation aims to examine the ways in which new technologies can influence human relationships and sexuality, both positive and negative. We will discuss both recent inventions developed specifically to facilitate these relationships and the psychological and emotional impacts they might have on existing couples, new couples, and single users alike.

CONRAD

Rafael Alejandro Columbie
Florida Southwestern State College
The Digital Avatar of the Modern Self

In our continued pursuit of progress, we presently find ourselves faced with virtual gremlins of our success, which perpetuate ignorance and convoluted morality. In this ethical meta-analysis, we seek to add to the ongoing discourse by identifying one among these: The Digital Avatar of the modern self. This avatar manifests itself through the technologically mediated communications we have with one another, expressed as our online persona. Sherry Turkel, in her work *Alone Together*, sets the baseline for our discourse: our preference of digital communication over physical, and the dangers thereof. The Digital Avatar enjoys of this same preeminence, thus usurping our true self. All major theories on morality echo the same ancient Greek maxim expressed through differing words, that one which mandates one must “know thyself”. The Avatar is a Frankenstein monster of one’s own creation, a yoke which keeps one from knowing one’s self, whose fruition cannot be realized.

Sydney Gragg
Daytona State College

Relationship Between Self-reported Self-esteem and Tinder Use in Daytona Beach College Students

This psychological study considers how Tinder use may correlate with negatively self-reported self-esteem among Daytona State College Students. A previous study analyzed why people use Tinder, but one of their sections, self-esteem, needed more research (Orosz, G. et al, 2018, p. 311). Students were given an online survey with 8 questions that were used to assess if students reported low-self esteem and/or utilized the Tinder application. Of the 100 viable participants, resulted in significant correlation in people that use Tinder having a lower average self reported self esteem than non-users, as well as suggesting correlation in having lower average self esteem with increased Tinder usage. Though we weren’t able to prove correlation due to a lack of viable tinder users in our sample population, our results suggest a negative trend in self-esteem for tinder users versus non-tinder uses; therefore, further research is required.

Tina M. Bhatt
St. Petersburg College

Freedom of Speech and Social Media: The Role of the First Amendment in Our Everyday Lives

The First Amendment outlines freedom of speech in a very broad manner, but has been interpreted by many people to apply differently to regular speech and online speech, in both the press and on social media. In today’s society, presence on a social media platform has become the norm, but there are still some grey areas around what speech is and is not protected under the First Amendment and how that speech should be regulated. This research discusses what type of speech is protected under the First Amendment, how the the right to freedom of speech has changed on online platforms, and what the relationship between social media and the First Amendment may look like in the future.

WALDORF

Josh Cook, Emily Summers
University of West Florida

Roundtable: Clinical Trials: A Guide for Understanding Them

Clinical trials are a form of research plan used to test experimental medical interventions on willing participants. They help us investigate new drugs and find new ways of treating illness. Currently, there are over 100,000 clinical trials registered in the United States with 293,000 registered worldwide. These trials are managed by clinical trial sites, many of which provide students with a unique opportunity to gain exposure to research and learn more about the pharmaceutical industry. This will be an open forum meant to facilitate open discussion and inquiry on Clinical Trials and how they apply to students, patients, and society.

CAPITAL SALON I

Jada Michelle Glenn
Jacksonville University

Forensic Pathology: Past, Present, and Future

Forensic Pathology is about finding the cause of death of a victim through an autopsy and a variety of other subfields found in forensic science, such as molecular biology. The history of forensic pathology is extensive, starting with the first documented human forensic autopsy done in 44BC by Antistius on the body of Julius Caesar. Since then, the newest technological advancements include photogrammetric based 3D imaging and the use of immunostaining mRNA to find cause of death. Forensic pathology is not perfect and due to lack of research and inadequate training, the cause of death in many cases has never been found, determined to be incorrect, or the autopsy performed was poorly done. A culmination of case studies, autopsy reports and scholarly articles were used to research the history, current progress and problems, and projected development of the forensic pathology field.

Ashley Leigh-Ann Stevens
Florida Atlantic University

A Sea of Poppy Tears

During my short stint interning at Palm Beach County Medical Examiner's Office, I was faced with the dark reality of the opioid epidemic: the sheer volume of human lives extinguished because of opioid abuse, from heroin to morphine to fentanyl and more. It's easy to ignore the rampant drug abuse across the country because people simply are not faced with it daily; no matter how many statistics you hear, it is difficult to comprehend until you physically see the results of it or, in more unfortunate cases, are directly affected by it. This talk will discuss the devastating consequences of the ongoing opioid epidemic, particularly focusing on the increasing frequency of overdoses that resulted from the incorporation of fentanyl and its derivatives into street opioids.

Carley Marissa Dummitt
Saint Petersburg College

West Nile Neuroinvasive as an Autoimmune Disease: A Personal Perspective

On Sunday, September 16th, 2018 I woke up and felt the old familiar pains of a head cold coming on. I had a headache, my sinuses hurt, my nose was so runny it was also running down the back of my throat; not to mention, my head had the usual two ton feeling to it. By evening, I was in full on flu mode; fever, chills, the whole shebang. That Wednesday, I went to a minute clinic and by Saturday, I was in the ER for the first time. What would follow would entail four more ER visits, an urgent care trip, a month of steady decline until eventually my body reached a scary point of sickness. At that point, my Mother, an O.R. manager at St. Anthony's in Oklahoma City, a 5am plane ride and a Neurosurgeon she worked with would lead to my hospitalization and discovery of WNV in my spinal fluid. Currently still sick with the infection, I have decided to document my illness and use it with outside research to examine West Nile Virus as a foreign borne autoimmune disease that wreaks havoc on the entire nervous system.

CAPITAL SALON II

Gabriela Fernandez

Hillsborough Community College

Influences of "Movement" in Perceptions and Possibilities

Life in our world has been shaped by the physical movement of the earth, the waves, the sequence of days and nights, among others. Humankind was also molded by the movement of early civilizations seeking progress. These constant migrations influenced the way our species defined the different cultures, rituals, and traditions. As we move physically we change our perceptions of everything around us. Hence we reshape our conception of the world. Without movement there is no progress, there are no challenges to make us grow as better and more capable individuals. Moving implies change, it also impacts our daily lives. If you move you evolve, you transform perspectives, for yourself and for the people around you.

Bernadine Vassor

Broward College

The Globalization of Democracy: Resisting Democracy

The western idea of Democracy works within the borders of the United States. As we travel to other countries we begin to see resistance. If democracy is the key to prosperity, why it met with resistance? My topic will dissect the resistance that arises with the globalization of democracy. I will make use different states as examples to the failed democracy and I will talk about the Arab countries where democracy has never had a fighting chance. The three countries will be first Haiti. I will explain the political corruption Haiti has been riddled with since the first democratic election, as well as the role, played by rebels. The next country will be Venezuela. Venezuela 's democracy hangs by a thread these days. I will enter the Chavez era to explain the beginning of the democratic era. The third and final democratic Country will be Brazil. While democracy in Brazil is not as failed as that seen in the previous countries, it is still riddled with violence and corruption. I will talk about the current political state amongst the presidential election now taking place. I will lastly talk about the Arab countries that have never had democracy. As democratization grows there is pressure for these states to switch over to democratic ways. This pressure has always been met with pressure and that is not expected to change. Where resistance meets democracy, degradation is produced. The western idea of democracy has excelled in the west, however when it spreads problems arise.

David Ramirez

Broward College

The Impact of Globalization on International Business

What is globalization? What is International business? What they have in common? How is international business affected? This presentation will explore future advantages and disadvantages in the market, the dramatic change of domestic to international trade, and overseas business and how it works. The expansion of every business is an advantage for globalization. The impacts of globalization on international business will eventually create a great union between countries. Oversea business will help every partner country with the economy.

11:00 - 11:50 AM

BREAKOUT SESSION III

DOGWOOD

Christopher Tepetitlan
Florida Atlantic University

Finding Your Success: An Artist's Perspective

Achieving one's own goals can seem like a daunting task, even in the best of circumstances. This presentation will take viewers through the narrative journey of an artist, as they've progressed towards their aspirations. The aim of this experience is to share a fresh perspective on work ethic and planning for the future in this ever-changing world, using real examples of perseverance through difficulties. The concepts of networking, time and resource management, as well as self-promotion will be examined and discussed in the context of interdisciplinary education. Examples of each concept will be given, that relate to the field of study of the arts and humanities.

Michael Wayne Berg
Florida Atlantic University

Art's Significant Role in Public Education

In recent years, public schools, where over 90% of children in the United States are educated, have been forced to cut the funding given to art programs available to students through classes. While we know that art education is an integral piece in the development of children, public schools have missed the opportunity to integrate the arts into the core subjects of study. Through this research, I will be assessing the state of our public schools and art education, as well as exploring the profound impact that art can have on a student's cognitive performance and abilities outside the classroom.

AMPITHEATER

Jack Matthew Davis, Sydney Michelle Wissinger
University of North Florida

The Stories of Us

"The Stories of Us" is a short documentary about the refugee population in Jacksonville, Florida. It was created as a project for the UNF Hicks Honors College Colloquium film class. The workshop will consist of a showing of the 22 minute film followed by a short commentary and Q&A by myself and Sydney Wissinger, another Honors film student. The documentary sheds light on the struggles of life as a refugee, and aims to challenge the viewers perception of the refugee crisis. But most of all, "The Stories of Us" shows that refugees are more than statistics or people we hear about on the news -- refugees are real life people. Just like us. By sharing our film with the Florida Collegiate Honors Council Conference, we hope to give the Honors community a new perspective on the refugee community and how they contribute to the city of Jacksonville and the entire country.

Valentina Sanchez
Sante Fe College

Now You See Me

My video narrates the story of two individuals who had died at a protest and are now in Purgatory, waiting to be held accountable for their sins. My own experiences living in an oppressed country, Venezuela, and moving to the US, inspired the themes of the video. Specifically, I address the attitudes of protestors, media bias in coverage of international issues, and increasing discrimination in the US against foreigners and people of Hispanic and Latinx heritage.

Lydell Kerbo
Hillsborough Community College
Misperceptions of the Sense of Self

A common dilemma that humans face at different points in life is understanding the sense of self. Whether it occurs during adulthood as a midlife crisis or during college years when deciding on a career, answering questions that deal with the deepest levels of the self can be a difficult task. Selfhood is essentially unstable which leads to the misperception of the self. As a result, there are important consequences that follow. In order to realize these consequences, the instability and misperception will be explored using relevant literature and appropriate paradoxes which will uncover the true nature of selfhood.

Alexandra Rosario-Tamayo
Seminole State College
Psychology Behind The Parkland Shooting: Nikolas Cruz

This research examines the psychological state of 19-year-old student, Nikolas Cruz, who opened fire on February 14, 2018 at Marjory Stoneman Douglas High School in Parkland, Florida. Is it possible that Nikolas Cruz committed the shooting because of his unhealthy mental condition or did he intentionally commit the crime? The research will go over Nikolas Cruz's mental health before the shooting and how to prevent this from happening again.

Rachel Chaput
Jacksonville University
Exploring Stress Between the Speaking and Silent Pilot

This study explored how vocalizing actions affects pilot stress and pilot errors during a simulated flight in a SR20 flight training device (FTD). Two groups, "Speaking Pilots" and "Nonspeaking Pilots" participated. The NSP did not vocalize any cockpit actions. The SP group vocalized all cockpit actions. Pilot stress levels during phases of flight were monitored using a heart rate monitor. All pilot errors were recorded. The data collected was matched by phase of flight. The results showed that pilot stress has a positive relationship with piloting errors. SP group had fewer errors and less stress compared to the NSP group.

CAPITAL SALON I

Artur Nascimento

Broward College

The Potential of Artificial Intelligence in the World

The presentation relates to artificial intelligence in its entirety. The flow of ideas is coherent, following the organization pattern of giving a swift overview when it comes to artificial intelligence (Examples; who coined the term? what is the goal? have researchers reached it?). Additionally, the speech will give the audience information on current events concerning the topic, by explaining some of the AI breakthroughs and projects being developed in recent years (Examples; Blue Brain Project and personal assistants like Siri and Alexa). Furthermore, the closing argument will relate to how Artificial Intelligence may help society in the future to come, along with explaining and answering one of the major criticism against it. Lastly, the conclusion will hopefully leave the audience with something to ponder about, since it reflects to the idea of what should be the true value of a human, during a time where technology becomes more prevalent in society. I have visuals along the speech, so the audience can be engaged; in the form of a PowerPoint, pictures and videos. When it comes to videos, it will essentially be related to current events, like; Google Duplex and its showcase during Google I/O, as well as, IBM Watson capability to compete against previous Jeopardy champions. The overarching goal of the speech will be to; inform the audience about AI being a rapidly emerging technological advancement and above all else, instead of being concerned about it the correct thing to do will be to embrace it.

Sawdah Asim

Broward College

3-D Printing Body Parts

I would like to conduct an individual power point presentation on 3D printing body parts, like internal organs- like blood vessels, bladder, and the liver- and external organs- like prosthetic limbs and skin reparation. My presentation will be titled "Can Artificial Body Parts Benefit Humanity?" It is based on an Honors by Contract research paper I completed for a previous Biology for Non-Majors class (BSC1005). In the presentation, I will address the points I made in my research, which were: what artificial body parts actually are, how they are constructed, how can we 3D print cells, how the printed organ can fit the body, organ transplantation issues in general, research being conducted over 3D printing, the pros and cons of 3D printing organs, the replacement for animal and human testing, and morals of 3D printing (how 3D print could allow us to live longer and thus we could be playing God). The presentation will touch base on lot of topics, and I am very enthusiastic about the research I conducted.

Migdalia Azucena Cordova

Talahassee Community College

Artificial Intelligence in the Healthcare System

The goal of this project is to explain the biotech innovations that are being developed with the help of major AI companies, worldwide organizations, health care providers and software companies. I will address how AI is aiding the healthcare industry by analyzing the info given such as patient data example: symptoms, patient history, tests results and other important factors that are fully disclosed to the public. This new modern technology has made sure to also comply with privacy policies such as HIPPA. We will learn how biotech companies, organizations, healthcare providers around the world are collaborating by developing pathways to include AI to innovate such industry. In this specific technology versus man industry perspective, it is important to understand that AI won't replace human consciousness completely meaning that human input will still be required for this technology to move forward. This healthcare and cloud computing initiative will work side by side with major experts in the healthcare industry and programming. I will focus on developing a claim of how AI and cloud computing evolves around these projects developed by Microsoft within an interactive platform such as the Healthcare Bot.

CAPITAL SALON II

Marium Abboud Houraney
Florida Atlantic University

Water & Racism: A Discussion Concerning the Severity of the Flint Water Crisis

Since 2014, the city of Flint, Michigan has suffered a severe water crisis that has jeopardized the health and safety of the entire community. Flint's water was found to have extremely dangerous amounts of lead in it, which has resulted in various health problems among the residents of Flint. In my presentation, I wish to talk about the cause of the Flint water crisis, what has been done about it so far, and why we should care about it. Flint is a city with a 54% Black population. The crisis has gotten little attention from the government and media so far, as do most issues that plague many other minority communities throughout the United States. Many issues that cities with a significant minority population suffer from concern access to clean water. How widespread is this problem, and what can we do ensure clean water for all Americans, regardless of their backgrounds?

Gabriel German Perez-Pujols
Seminole State College of Florida

The Parallels of Hypocrisy

The Black Lives Matter movement is a chapter-based social movement that began to combat systematic oppression, diversify activists to protect those of all genders and sexualities, and most notoriously combat police brutality. In the coalescent stage, after the outburst of police brutality cases, a general stigma grew into popularity, grouping all police officers as prejudice individuals thus leading to the creation of Blue Lives Matter, a movement which seeks to protect police officers from widespread hatred and injustices acted upon them. This paper examines the relationship between both sides and seeks to compare and contrast their views of one another.

Nicolas Cardenas
Broward College

Addiction

Growing up I saw my uncle go through the struggle of addiction with nicotine. Every day after school he would pick me up and my cousin, and the smell of cigarettes quickly filled my air once I opened the door. It saddens me to see him smoke almost every day and not caring for the potential risks he may be brought to his health. My uncle often struggled with anxiety and found cigarettes as an escape, which eventually consumed his life. However, thankfully he was able to quit through many interventions by our family. If he had not quit, he would've risked having lung cancer and would face losing everything. To this day, my uncle still struggles with his addiction and has sadly fallen back into his old habits. In today's society, many people battle with addiction and there's not much discussion about it. Many people don't understand addiction and why people may become addicted to drugs or alcohol. Many people believe that addiction is a choice and that these people choose to not find help. However, many people with addiction also face issues with mental health and they struggle to stop. Addiction hijacks brain and consumes an individual's very thought and emotion. Mental health isn't a relevant topic that many like to speak about and I hope by sharing this story and offering more information, there may be a focus of attention to addiction. Hopefully, this will not only help the individuals suffering from addiction but educate those who are ignorant to the struggles of addiction. I find this topic important to me because I want to hopefully become a clinical psychologist and help those that face issues concerning mental health like an addiction. I also see many people around me that suffer from addiction, like my uncle, and many famous celebrities die from addiction. For example, a famous rapper, Mac Miller, recently passed from a drug overdose. I hope that through long discussion it may allow those to find the courage to seek help, and overall bring awareness to this issue.

DOGWOOD

Sara Haman

Florida Atlantic University

How Writing as Self-Expression Influences Mental Health

Poetry, taken as a medium which is arranged into stanzas rather than paragraphs and which ascribes particular intensity to metaphor, symbolism, and rhythm, provides a unique capacity for emotional expression. The art forms' intrinsic connection with emotionality has resulted in its use in congruence with other reflective techniques, such as cognitive therapy, in order to instigate a greater understanding of one's own emotional identity, their relationships to both the world and those around them, and why they perceive the world as such. Cognitive therapy operates off the assumption that psychopathologies are ultimately the result of dysfunctional thoughts and that one can be helped by better understanding their cognitions so that they can control them and grow towards a more productive, peaceful life. Poetry therapy, then, encourages people to express their emotions through poetry as a platform by which to analyze themselves and eventually progress forward.

Lacey Nicole Micklet, Mikaela Dalton, Wesley Urbanczyk, Jules Bouchard

Jacksonville University

Researching Movement Through a Focus on Energy and Emotional Quality

This choreographic project uses a focus on direction and manipulation of energy to develop a specific emotional quality in a narrative piece. First, the flow of energy was established to direct the narrative. In order to specify the flow of energy, it was decided that movement would exist only when there was physical contact between the dancers. This created grounds for experimentation in shapes and movement in which physical contact had to be maintained. The direction of energy and the reliance of the dancers on each other mimics that of struggling relationships, in which each dancer embodies different qualities and characteristics. Finally, details such as eye focus and texture were added which made the narration specific. This process directs the creation of an energetically focused work that invites the audience to participate in emotional qualities of the narrative.

AMPITHEATER

Bobby Hom

Sante Fe College

Story Slam! The Value of Personal Storytelling in the Classroom

NCHC18 featured the National Collegiate Honors Council's first ever conference Story Slam. The event celebrated the art of storytelling and the personal stories that we all have that are worth sharing. While NCHC's Story Slam was a competition, our FCHC Workshop will be more casual--you'll listen to stories from students, hear how one professor used storytelling as a teaching tool in his classroom, and perhaps learn how to author (and present) your own story.

CONRAD

Caleb Michael Schaefer
Seminole State College of Florida

Cooperating for Bipartisan Change Through Media Usage to Diminish the Aids Epidemic

This presentation will examine the history of how opposition overcame differences and conjoined to tackle a common goal and interest. In regards to the epidemic of AIDS in America, what was once an issue singularly understood became a bipartisan subject thanks to persuasion via media. Looking first at the solo effort from the liberal Democratic Party, transitioning to how one speech brought on board the masses of the conservative republican sector, to ultimately their joint efforts and the impact that was produced thanks to mutual efforts of media usage to conjure support.

Shelby Daidone
Seminole State College of Florida

Rape Culture: Can the Disabled say #MeToo?

Rape culture toward the disabled remains a hidden truth, however, recently the Me Too movement has brought attention towards such insensitive actions encouraging more involvement of the disability community. The infantilization of disabilities has made these individuals more of a target for sexual assault and has created communication barriers when faced with these experiences. By identifying rape culture toward the disabled, we can eliminate communication barriers and rid stigmas surrounding the disabled. This will in turn establish more consideration of disabled people as key figures in the movement.

Hannah Tarleton
Florida Atlantic University

Learning Consent from Kink

The increased visibility of sexual assault and the resultant call for action have created an interest in providing education to help recognize and value affirmative consent. The BDSM (bondage and discipline, domination and submission, and sadism and masochism) community has historically, and currently, highly valued affirmative consent as the bedrock of their practices. Through the assessment of the BDSM community's practices of consent and a review of research literature about consent within BDSM, this presentation will introduce a model of safe, sane, and consensual sex that values affirmative consent and has been employed by the kink community. It will also suggest the possibilities created by this model to be adopted by sex educators to help decrease sexual assault and ensure that everyone's sexy times are consensual.

WALDORF

Ahmad Maher Harb, Richa Bisht, Danilo Anthony Polanco
University of South Florida

Engagement in Honors: Untapped Potential

Student engagement outside the classroom is vital to the success of every Honors program. When given the opportunity to connect more deeply with their peers and faculty, students can achieve a greater sense of community and receive more meaning from their college experience. Many schools struggle with student involvement despite their best efforts. Low event participation is detrimental to the collective Honors experience, preventing students from building connections that can enrich and transform their lives; however that is not to say that nothing can be done to fix such a problem. With this roundtable discussion, we hope to address the topic of involvement programs and find ways to access traditionally uninvolved populations through collaborative means. The aim is to understand past experiences, programs that have succeeded and failed, and work together to develop new strategies that may benefit all those grappling with low student involvement.

CAPITAL SALON I

Scott Armstrong

St. Petersburg College

The Multiple Benefits of Brooker Preserve

This presentation aims to show the cultural history, ecosystem diversity, and quality of life benefits from the Brooker Creek Preserve. Cross-managed by multiple agencies including Southwest Water, Florida Fish and Wildlife, and Homeland Security, Brooker Creek Preserve is a 9,500-acre preservation in Pinellas County. The preserves history dates back to the Tocobaga Indians from 900 CE and was in continuous use for ranching and orange groves up to 1993 when it was purchased by the county. With 274 birds, reptiles and mammal species notated and 83 of these threatened or endangered, Brooker Creek offers a rare habitat in one of Florida's most populated counties. Supplying 45% of Lake Tarpon's water, a large provider of Tampa Bay's ground and surface water requirements, and also a direct outlet into the bay, this watershed is extremely important for everyone that lives in the metropolitan area through managed water augmentation.

Ninoska Smith

Seminole State College

Preventing Skin Damage with the Use of Sun Protection Factors

Because we live in Florida, we spend many hours outside enjoying the warm sunshine. Tanning can make us feel beautiful and look healthy. However, too much sun exposure can increase our risk of cancers, sun burns, and premature aging. This presentation will explain the dangers of ultraviolet radiation exposure from the sun and tanning beds, show images of melanoma, basal carcinoma, and squamous cell carcinoma, and discuss how sun protectants can work to help us safeguard our skin. My goal is heightening awareness about sun exposure to change the perception and clarify how sun exposure can affect our skin, even though we don't see it.

Jacqueline Campbell Calderwood, Philip Souza

Florida Southwestern State College

The Gardening Solution

There is a vast disconnect between Americans and their food sources which fuel our convenience-oriented perspective towards food production and consumption. Americans are consuming processed foods and fresh food grown in different states, and often in foreign countries, that then have to be transported to their local supermarket. These behaviors have created unsustainable farming practices that result in deforestation and poisoning the land to accommodate a cultural habit of over-consumption. These habits are not only unhealthy but they increase our carbon footprint. FSW's Sustainability Club explores the world of sustainable gardening by teaching college students how to effectively cultivate land and foster healthy eating habits that will naturally grow out of the practice of cultivating their own food.

CAPITAL SALON II

Olga Medalith Aranzabal, Dr. Athena Smith

Hillsborough Community College

Perceptions of Female Inferiority: A Case Study of Peru

Gender discrimination in many countries has been perpetuated through a social construction of reality that has empowered patriarchy. Women in the past, influenced by this perception, came to accept male dominance as a norm and thus gender discrimination was strengthened. This presentation will concentrate on the country of Peru, by discussing how the perception of women as “inferior” has led to domestic violence, femicide, and pay gap differences. It will also discuss the effects of social class on the perception of “inferiority” and the level of discrimination. Finally it will include the effects of such perceptions on the indigenous women, who suffered forced sterilization. The presentation will also emphasize the importance of implementing women’s studies as part of the honors classes, that will enable students to be informed about gender problems around the world.

Katherine Hernandez

Florida Atlantic University

Toxic Masculinity and Violence: The case for Redefining Masculinity

The goal of this paper is to explore precarious manhood and its effects in order to better understand the relationship between societal violence and our current conception of masculinity. As stated in the documentary, “The mask we live in” one of the biggest problems in Western society is that it demands that their men improve while its working definition of “man” prevents that from happening. Lacking formal manhood rituals, men may prove themselves with informal—and sometimes harmful—demonstrations of masculinity. In fact, The World Health Organization identified several risk factors, including rigid gender roles and the desire for power and control, as associated with a man’s risk for perpetrating violence. Current research suggests that by redefining manhood and providing better examples of what it means to be male we help create a healthier perception of masculinity, and a healthier emotional environment, thus combatting violence that stems from toxic masculinity.

Erica B Yedwab

Florida Atlantic University

Feminism and the Pursuit of Equality

Equality is “the state of being equal, especially in status, rights, or opportunities”.^[1] However, reaching this goal is easier said than done. One barrier to achieving equality is confirmation bias, a phenomenon where people overestimate the accuracy of their own perceptions and seek to find information to further confirm their beliefs. To help overcome these misconceptions, I propose that we use feminism. Many “...think that feminism is always and only about women seeking to be equal to men.”^[2] Their misunderstanding reflects the reality that most people learn about feminism from patriarchal outlets and never seek to disaffirm their beliefs due to confirmation bias. Today, I seek to define feminism in a manner that makes it accessible to all and explain how it can be used as a tool in the Pursuit of Equality.

DOGWOOD

Carie Ann Lopez Melendez, Amanda Hoffman

Daytona State College

Self-Reported Addiction in Video Gamers and Social Media Users: A Comparative Study

An inflation in contemporary technological advances over recent years has resulted in an increased amount of research regarding “problematic” technological use. This is due to the negative association that technology has developed with mental health. The present study aims to compare both social media and video game users, to obtain a better understanding of whether they would self-report addictive-like symptoms to their desired technology source. An online survey was conducted with 113 adult participants where they were presented with ten questions based on the DSM-5’s proposed diagnostic criteria for Internet Gaming Disorder. The survey was composed of nine Likert scale questions with a single multiple answer question. The data showed that both gamers and social media users share multiple similarities regarding how they self-report symptoms of addiction. However, even if both gamers and social media users reported symptoms, neither of the sample groups would admittedly self-report addiction to their preferred technology.

Kelly Ann Ridge

Daytona State College

Self-Reported Narcissistic Tendencies of College Students and the Correlation with Selfie Culture on Social Media

The aim of this study was to examine college students’ use of social media to post selfies while displaying narcissistic behaviors and self-reported narcissism on social media platforms. 252 college undergraduates completed an eleven part survey to evaluate narcissistic tendencies and self-reporting identifying traits such as, conceit, lack of empathy for others, and seeking praise. A two tailed T test was conducted, which determined that our sample population had a higher percentage of self-reported narcissists than the general population. The results of this test was $p < 0.011$. Thus, the findings suggest that college age students may be more likely to self-report narcissism. Three trends were also observed in the present study: Males significantly self-reported narcissism compared to females, self-reported narcissism was highest in the late 20’s demographic, and college students preferred Snapchat and Instagram for posting of selfies.

Apryl Sambucharan, Ashley Bossardet

Daytona State College

Social Media Desensitization and Cyberbullying

Social networking sites (SNS), although relatively recent in their creation, have become a key way for users to communicate and interact with others. Often these sites allow users to create a version of themselves that may differ from the traits they display in the world outside of the internet. These online versions of the users may create a false impression, which may lead users to publish things they would otherwise keep private. Previous studies have found that there can be a relationship between time spend on the internet and a risk of cyberbullying victimization (Lee, 2017). Researchers hypothesize the prolonged use of these social interactions may result in desensitization to cyberbullying without recognition. Desensitized users may not realise these online publishings could be considered harmful by other users. This study reflects upon how time spent on these “social interactions” may allow regression in integrity and lead users to desensitize feelings and interactions through the allotment of publishing things they would otherwise not present in the outside world. Researchers tested whether prolonged social media usage created a statistical difference between participants in ability to determine whether or not a published post was an example of cyberbullying through a two-tailed t-test. Through this test, researchers gathered that there was minimal statistical difference to be proven.

CONRAD

Sara Lattman

The University of Tampa

Using Andragogy to Motivate Millennials in the Workplace

The practice of andragogy, the art and science of teaching adults, is often overlooked by many teaching professionals for traditional pedagogical techniques. As millennials and Generation Z complete and enter their higher education and their careers, working professionals need to start implementing andragogy into their training and coaching techniques in order to ensure their new workforce is as efficient as possible. Students and entry-level workers in these generations are more autonomous and self-motivated than ever before, calling for their bosses and trainers to tap into those traits to allow workers to reach their fullest potential. Implementing andragogy techniques into professional coaching will help employees feel important, utilized, and comfortable communicating with their older colleagues.

Levi Keith Scheller, Nicholas Harry Pracko

Hillsborough Community College

Gender Identity in Higher Education

Misinterpretations and misleading information about transgender students leads to a lack of understanding about their needs pertaining to higher education. Instances of intentional usage of unwanted names or pronouns causes a singling out of transgender students by peers and professors. Higher education can be slow to adapt to transgender students due to the lack of correct information and resources. A variety of impactful circumstances include: school travel, name use, and campus life. These circumstances will be discussed in this presentation.

Kathleen McBride

Seminole State College of Florida

23 & Not Just For Me: An Ethical Dilemma in Data Privacy

Do you know who has your information? When an individual agrees to genetic testing to find out their heritage and which diseases are they prone to, do ethics become a liability during the process? This is a focus on the moral and ethical philosophy concerning the data privacy used by the genetic testing companies and how they handle your DNA.

AMPITHEATER

Richa Bist, Anisha Joshi

University of South Florida

Andy Warhol: A Workshop on Visual Analysis and Identity Creation

Through this interactive workshop, participants will engage in active visual analysis, develop strategies that foster collaborative understanding, and learn how these skills can be applied to other fields in today's increasingly interdisciplinary world. In the Honors course "Picture This," art exploration and research at the USF Contemporary Art Museum with the Andy Warhol Collection provided artwork as a means to study the paradoxes and perceptions associated with individual realities. By simulating the approach used in this course, we will impart workshop attendees with the basic tools to begin unraveling the visual arts, regardless of area of study or prior artistic knowledge. We will also be presenting group research partly rooted in largely-unseen works by Andy Warhol, investigating his childlike imagination and the private and public personas of well-known cultural icons.

CAPITAL SALON I

Kara Horwood

Hillsborough Community College

Advising Paradoxes, Perceptions and Possibilities

Hamlet states “I must be cruel, only to be kind” (Shakespeare 3.4.193) this line truly embodies honors advising at the community college level. Students often must take classes they perceive as not needed or not worth their time. Showing students why they must take these classes that they view as unnecessary (but enrich their possibilities) is a trick of the trade. Informing students about the necessity of general education in order to progress towards the classes that they are excited about: their major courses. Tips, ideas, and suggestions will be discussed with fellow advisors about conversing with and convincing students why these classes are important.

Jaylene N Kennedy

Florida Atlantic University

Time Management for First Time in College Students

Many college freshmen struggle with time management. To help solve this issue, all universities should require a one credit course for all incoming students to take their first semester of college. Since the course would be mandatory, it can assure better management skills to the students who decide to participate in all activities. It will provide one-on-one guidance to the students through their first semester, as a mentor would. The course would be focused on teaching students time management skills by a professor who specializes in organization and time management as well as an upperclassman from the university. Some institutions such as Wake Forest University and Northeastern University offer time management courses to their students and their success rate with their students time management has been remarkable. In this presentation, I will propose an ideal time management course modeled on those already in use at several universities.

CAPITAL SALON II

Anisha Joshi, Julia Coenen

University of South Florida

Creating Lasting Connections: Methods for Closing the Divide Between Faculty and Students

A challenging aspect of Honors Education is getting students to perceive their faculty as approachable, beyond the classroom. At the University of South Florida, our Events Committee of the Honors College Student Council has established a mission of facilitating genuine bonds between our staff and students that transcend traditional settings (such as the classroom or office). Social connection between constructed hierarchical positions softens the harsh division between superior and subordinate, which transforms our program into a safe place for students to explore their minds without fear of judgment or misguidance. This presentation will feature techniques we explore in facilitating these interactions during events we hold for the Honors College.

Charlotte Pressler, Amy Bohan

South Florida State College

Connecting Honors for All: Undergraduate Research and the Two-Year Honors Program in the Age of Guided Pathways

The redesigned honors program at South Florida State College embeds undergraduate research projects in courses that students can use to meet their state- and program-specific general education requirements. We use a model of honors education developed in Dutch technical universities, but extend it, through an innovative NEH grant, to research projects in humanities and social science courses. Charlotte Pressler will give an overview. Amy Bohan will present her project: student researchers check dogs’ blood samples, donated by local veterinarians, for micro-RNA markers showing the presence of canine congestive heart failure. The findings could one day contribute to a cure.

DOGWOOD

Adrianna Elizabeth White, Rebecca Anne Venable

University of North Florida

Facilitation: Student-Led Leadership

The cornerstone of UNF's Honors College is the uniquely structured and developed freshman seminar course which fuses professor-led and student-led instruction. Sophomore and up honors students, dubbed "facilitators", are integrated into the course structure to lead class discussions and provide guidance, while garnering leadership experience. There are several essential components of the facilitation program that set it apart. First, the mentoring relationship that exists between facilitators and their class. Facilitators are the first to welcome freshmen to campus, and spend a semester developing their relationship. As students, facilitators relate to the freshmen differently than most adult professors and advisors. Next, both freshmen and facilitators can provide input about changes in the seminar and facilitation program. Students not only have a voice, but a stake in the programs. Finally, an incredible support network exists for facilitators. Honors staff and veteran facilitators provide guidance in weekly meetings, addressing any questions or concerns.

Angela Mick, Mary Hamilton

Hillsborough Community College

Service Learning: Perceptions and Misconceptions

Community service can often be seen as a chore or punishment rather than a positive experience. Honors programming enables students to put service into practice as a learning experience.

Thomas Grey Higginbotham, Courtney Marie Ardizzoni

University of North Florida

Building Community Through Liaisons

Each fall the freshmen class participate in a first-year seminar called Colloquium. The course is divided into multiple breakout groups, all tasked with a unique service project designed to impact the Jacksonville refugee population. Our task is to bring together a class of over 200 students in a cohesive manner while also allowing them to communicate freely to one another about their service projects. We created the Liaisons program within Colloquium to provide professional development while teaching the importance of interdisciplinary communication. At the same time, we coordinated guest speakers to develop the student's leadership skills, emotional intelligence and soft skills. Throughout the course Liaison students served as a focus group, giving an additional perspective on the class. Liaisons new perspective helped strengthen their ownership of the course and created a more unified freshman class.

CONRAD

Vinicus F. Vieira, Fernando Melo, Gustavo Corrente Teixeira
Hillsborough Community College
Strange Misconception

A diverse student body with multiple cultural backgrounds brings many benefits to any college environment. However, there are also misconceptions and stereotypes regarding different nationalities and cultures. Join international students and international ambassadors on a presentation that will focus on the benefits of having a global network on campus, deconstructing cultural ethnocentrism, and on how to build a healthy multicultural environment for the students.

Ar-Rafiq Khan, Stephanie Roberts
University of South Florida

International Day: How the USF Honors College Expands Its Global Perspective

The Honors College at the University of South Florida hosts an event called International Day, at which students who have either studied abroad or are classified as an international student get to present about their experience. This event aims to expound on the diversity of the student body and the opportunities provided by the college as students learn about the experiences their peers encountered abroad. By hearing other students' stories, participants may be inspired to pursue their own venture in that country. International Day builds a more open-minded and diverse Honors College community that embodies the meaning of being a global citizen. The event consists of students presenting using posters, performing songs, dances, etc. Our presentation will focus on how International Day serves to create a more global-centric education environment where students get to challenge stereotypes about cultures different from their own, and explore cuisines from outside their bubble.

WALDORF

Joe Culbreth
Palm Beach State College

Roundtable: What is the Role of the Honors Student Advisory Council?

This roundtable will explore the evolving role of the Honors Student Advisory Council.

AMPITHEATER

Ryan Cragun
University of Tampa

Workshop: Tracking Honors Progress with a Custom-Built Database

One of the first obstacles I encountered upon becoming the Honors Program Director (now co-Director) at The University of Tampa was a lack of records on student progress. It took close to two years to find a solution to this problem after trying a variety of different options. We have now created our own, custom-built database in Airtable that allows us to track Honors student participation and progress. The database also allows us to communicate with specific subsets of the students in the Honors Program (e.g., all Accounting majors, all freshmen, etc.) and also allows us to generate data for annual reports. The database is free, but the ability to email students costs us just under \$150 per year. In this presentation, I will detail the database, highlight its features, and explain how other Honors Programs can create a similar database.

SUN

OVERVIEW

7:00 AM

BREAKFAST

Crystal Ballroom

9:00 AM

POSTER SESSION

Royal Palm Ballroom

9:00 AM

**WRITING CONTEST
PRESENTATIONS**

Capital Salon II

11:00 AM

**FACULTY/STAFF
MEETING & 2019-
2020 EXECUTIVE
BOARD ELECTIONS**

Capital Salon I

11:00 AM

**STUDENT
MEETING & 2019-
2020 EXECUTIVE
BOARD ELECTIONS**

Capital Salon II

12:00 PM

**ANNUAL
BUSINESS
MEETING**

Capital Salon I

12:30 PM

**EXECUTIVE BOARD
MEETING**

Capital Salon I

Christian Appenzeller
Seminole State College of Florida
Lobsters and Serotonin

Humans and lobsters have very similar neurological functions as lobsters do. The production and regulation is extremely similar. In observation, Prozac, the anti depressants, (or Selective Serotonin Reuptake Inhibitor) work on lobsters.

Chloe Bean
St. Petersburg College
The Art of Artificial Wombs

In my research poster, I will be discussing the recent scientific breakthrough of artificial wombs. I will be discussing what an artificial womb is, the benefits of artificial wombs, and the possible consequences of artificial wombs.

Emily Bradley, Edward McFarland
Seminole State College of Florida
Educational Requirements Compared to National Test Scores

This project looks at how Common Core standards reflect on nationally standardized test scores (ACT/SAT). We will use multiple states to help determine if Common Core influences scores compared to states who don't use Common Core. Specifically, how Common Core standards in Math, Science, and English can compare to how well a student scores on the standardized tests. In addition, we will look at high school graduates per state in order to better compare how many students took the test per state. This correlation between Common Core standards, its impact on test scores, and the percentage of graduates taking the standardized tests is significant because it portrays the necessity for Common Core or similar college preparatory programs. Our goal is to identify correlation or causation of how these programs aid students in meeting curriculum standards in order to meet college entrance requirements.

Sara Czoka
Florida Atlantic University
American Mosques and Mobile Communities: Co-Locating Physical and Virtual Sites of Muslim Community

The goal of this research project is to observe and interpret expressions of community among the American Muslim populations in both local and digital contexts. The project is ongoing and this poster displays my involvement with the project as an undergraduate research assistant.

Leonie Dupuis
University of West Florida
Preparing for the Age of Precision Medicine in ALS Genomics

Over the past 25 years of published ALS genetics, there have been over 160 genes and several hundred variants previously linked to ALS. The consistency, or lack thereof, in these previously published papers could pose a challenge as genetics research approaches the age of precision medicine. By manually data mining previously published papers and analyzing them in a uniform manner, a comprehensive database of published ALS genetic variants was created with the goal of determining which reported genes and mutations are truly causative and which represent spurious associations. The potential of Oxford Nanopore sequencing in ALS genetics was also explored by searching for G/C bias in the Oxford Nanopore sequence data of ALS patients compared to those patients' Next-Generation Sequencing data and to controls (individuals without ALS). These two methods help provide insight in the validity of currently available ALS genetics data in preparation for the era of precision medicine.

Megan Frisina**Florida Southwestern State College***The Effects Hyper-Sexualization in Superhero Media Has on Young Females*

Superhero media is a both a culprit and a victim of hyper-sexualization by its creators and consumers. However, in an age of superheroes and female empowerment, Western culture needs to address the hyper-sexualization and the male gaze in the superhero genre because it creates a false reality that negatively effects young women. This research poster challenges the perceptions and the long-held values of the “male gaze” in the superhero genre, and it brings attention to the damaging impact it has on young women’s body image and self-esteem. Moreover, this research strives to educate the public about these harmful effects while also helping young females recognize them in this genre so that they deepen their understanding of related mental health issues.

Hayley Furman**Seminole State College of Florida***Sustainability in an Unfamiliar Environment: Resilience of the Earth Ship Biotecture Community*

Since 1971, Mike Reynolds, the founder of Earthship Biotecture Community, envisioned self-sustaining homes which address the six pillars of human need: heating and cooling, electricity, waste treatment, water harvesting, food production and incorporation of waste material. The community he developed, near Taos, NM, incorporates untraditional building codes and architectural composition, epitomizing the resilience of off-grid creative home design. This presentation highlights a tour of active Earthship construction sites. I further discuss how the stay in an Earthship, living unconventionally and sustainably as part of an experiential learning activity in a Women in Science Travel Studies in Biology class, fostered a sense of environmental awareness and stewardship.

Morgan Humphrey, Cassandra Bayes, Sandra Un Jan Contreras, Sarah Stauring**Florida Gulf Coast University***Evaluation and optimization of floating aquatic treatment wetlands for phytoremediation pre-treatment of municipal landfill leachate employing saline-tolerant plants natural to South Florida*

Municipal solid waste (MSW) is commonly disposed of in landfills, which are known to produce both leachate and methane gas. The processing and treatment of leachate is expensive due to its variability and typically high toxicity and biological oxygen demand (BOD). It is customary to send this leachate to wastewater treatment plants (WWTPs) for disposal, but this is costly and difficult to find adequate plants for treatment. This experiment is designed to accomplish four objectives through the creation of a constructed wetland (CW). The primary objective is to identify three saline-tolerant, leaf-floating or emergent plants that can survive in a floating wetland of leachate. The secondary objective is to examine the efficiency of the plants in the removal of chemical oxygen demand (COD) and inorganic nitrogen, while the tertiary objective is to study the effects of dissolved oxygen (DO) and pH on this removal. The quaternary objective involves performing a cost benefit analysis to determine the ideal dilution of leachate and conclude if using a CW to treat leachate as a secondary measure is cost-efficient. As such, the experiment will be influential in the upcoming research into CW and other associated means for leachate treatment and disposal.

Vanina Iordanova**University of Tampa***Chipotle vs. E-coli*

Chipotle is a fast casual restaurant which offers Mexican-style food. The restaurant prides itself on its commitment to natural food sources and use of healthy ingredients. Despite this dedication, Chipotle was tied to an outbreak of E. coli in 2015. This led to the temporary closure and cleaning of multiple locations. The outbreak weakened the company’s reputation and caused a drop in sales. In order to combat this damage, Chipotle implemented several programs to regain customers and improve sales. These included a loyalty promotion and a new menu item. Recent improvement in sales, suggest that Chipotle is making progress toward effectively dealing with the aftermath of the E. coli outbreak.

Lacey Lynch
Seminole State College of Florida
Russell's Paradox

We use sets to describe first principles of various disciplines of mathematics. So it is natural to ask: What do we mean by a set? Can we describe a universal set that contains all sets? Are sets the same as the members of the set? The answer to that question is: "Yes, but with extraordinary care." If an object x belongs to set A then we denote that as x is an element of A . If we say that set A is contained in set A then we would write A is a subset of A because all the objects belonging to set A implies that each element is in set A . Although this consequence is rather obvious, this begs the question can A is an element of A ever be true? The short answer is no. We shall see this as we consider Russell's Paradox.

Luke Miller
Seminole State College of Florida
Charlottesville is the Coalescence of the Alt-Right

Charlottesville was a wake-up call for all Americans to the presence of the alt-right. Unite the Right rally consisted of alt-righters, white supremacists and the KKK gathering to protest confederate statue removals. This paper explains how Unite the Right rally can be considered as the coalescence of the alt-right social movement. I am going to talk about how the protestors got their permits all the way up to the death of Heather Heyer, who was killed by a rogue driver. The end of the paper will discuss how the rally was ultimately a failure in the long run.

Melinda Morgan
University of West Florida
Coagulase-Positive Staphylococcus aureus on Military Base Gym Equipment

Bacteria from the genus *Staphylococcus* inhabit the skin, nose, digestive tract, blood, lungs, heart and joints of the human body, but not without consequence. Staph causes skin infections, acute food poisoning, septicemia, toxic shock syndrome, septic arthritis, and more. The dense walking population of military gyms leads to inadequate cleaning of equipment after every use and an ideal bacterial fomite. Research Question: Does gym equipment on military bases serve as reservoirs for *Staphylococcus aureus* that harbor the virulence factor of coagulase? Exercise equipment in six military gyms in Northwest Florida will provide inocula for microbiological media selective for staph and tested for coagulase. My research will comment on the sanitary status of a regionally relevant environment that may harbor and transmit a significant human pathogenic bacterium.

Nancy Morrissey
South Florida State College
Ancient DNA, a gene trail within a modern human family

Anthrogeneticists have sequenced ancient DNA from around the world and geneticists have compared those ancient DNA SNPs to modern humans. In this case study, those results are compared to the subjects' DNA sequencing within a modern human family group. Genome patterns, admixture mode populations, percentages, distances, and genealogical ancestral history, and probable migration routes are identified through modern DNA sequencing analysis and comparable reports and tabulations. The result is the building of an ancient track of migration and intermingling of DNA. Ancient DNA samples were compared with GENmatch Genesis processing utilizing Oracle data programming. Admixtures of populations and genetic distances traces the migration, natural selection and genetic drift of this case study family.

Austin Philipson
Broward College

Cults and You: A Case Study on Cults

This project will be a presentation on cults focusing mainly on the beliefs, doctrines, structures, as well as factors that permit them; with the presentation using the Aum Shinrikyo cult and People's Temple cult as case studies, the title of this presentation will be "Cults and You: A Case Study on Cults". This presentation will start by focusing on the Aum Shinrikyo cult in Japan, known for the 1995 Tokyo Subway terrorist attack. Among the topics being discussed will be the sociocultural factors that permitted the growth of this cult, the personality of the leader, Shoko Asahara who headed Aum, the role cult members played in perpetuating the cult and performing actions demanded by the leader of the cult; as well as the societal effects Aum has had on Japan. Along with these topics there will be a focus on how a cult can go from an innocuous group to one capable of perpetrating mass murder, specifically a focus on the doctrine of poa in Aum that managed to legitimize violence against enemies of the cult. This presentation will also attempt to compare and contrast Aum with the cult known as The People's Temple led by Jim Jones. Specifically, how both the personalities of Asahara and Jones were unique yet had key similarities in terms of apocalyptic millenarian predictions. Focus will then shift to the People's Temple for an examination of the factors that permitted their growth, as well as the doctrines they had held. Finally, this presentation will conclude by summing up all that was learned from these two cults, as well as what can be done to identify cults and protect people from them.

Jennifer Prine
University of West Florida

Plastic Found in the Gastrointestinal Tract of Loggerhead (Caretta caretta) Post-Hatchlings

Out of seven species of sea turtles, five are found off of Florida's Atlantic waters. Loggerheads tend to be the most abundant, producing 90% of all hatchlings for the region (Bovery, 2013). Within recent years, marine debris has become a significant problem, resulting in increased levels of plastic ingestion by marine organisms. To determine the plastic contents in the post-hatchling loggerheads, necropsies were performed and the gastrointestinal tract was removed; the esophagus, stomach and intestines were separated from each other to determine where the plastic came from in the GI tract. All plastic was then cleaned with 30% H₂O₂ before being measured and separated into colors. White made up approximately 70% of all hard plastic obtained, and there was a correlation found between turtle width and length, as well as width and plastic size.

Symantha Senn-Busingye
St. Petersburg College

New Zealand

This presentation encompasses pictures of the beautiful landscape in New Zealand from my recent study abroad trip. I will be presenting a brief research of the safety of the country compared to the United States and dive into what makes this country one of the safest in the world, highlighting the best parts of a serene wonder.

Kristal Shands
South Florida State College

Micro-RNA isolated from liquid biopsies serve as novel molecular biomarkers for congestive heart failure in dogs

The research objective was to characterize expression profiles of circulating microRNAs via miRNA isolation from plasma (Qiagen) for dogs with congestive heart failure (CHF) secondary to myxomatous mitral valve degeneration (MMVD). Subjects were 9 healthy small breed client-owned dogs and 9 small breed client-owned dogs (ages 9 and up) with CHF secondary to MMVD. Blood samples were collected from both healthy and affected dogs. Isolated microRNAs from plasma were subjected to quantitative reverse transcription PCR (qRT-PCR) used to examine expression profiles of differentially expressed circulating microRNAs of dogs with CHF. Results of qRT-PCR assays confirmed up-regulation of several microRNAs as well as downregulation of multiple microRNAs. Results of qRT-PCR assays were highly correlated with NGS data from a prior study done and supported our results. These results suggested that miRNAs serve as novel biomarkers for congestive heart failure (CHF) in small breed canines.

Stephen Sims
Palm Beach State College

The Free Will vs Determinism Debate

A philosophical work on the existence of Free Will and its compatibility with hard determinism.

Paula Sinche-Aldas
University of North Florida

The differential effect of human-milk oligosaccharides in breast and formula milk Bifidobacterium infantis

The microbiome has an essential role since birth to the wellbeing of the infant. An infant has a naïve and underdeveloped microbiome which does not allow the infant to fight off or excrete pathogens and makes them more susceptible to infections. Breastmilk is the first prebiotic encountered by the infant and helps establish microflora. HMOs confers a selective advantage by promoting growth of bifidobacterial. HMOs play a role as anti-adhesive and prebiotic for the infant. Breastfeeding has been associated with lower risk of obesity, diabetes and cardiovascular diseases. The goal of the present study was to analyze the effects of L-fucose on B. infantis growth simulating neonate gut compared to infant formula. B. infantis was grown in the presence of HMOs monomer, breastmilk, and infant formula. It was hypothesized for B.infantis to have greater growth in the presence of HMOs and HMO-fortified infant formula compared to non-fortified formula. The results showed L-fucose was not as beneficial for B.infantis growth. Not all HMO-fortified formula had a prebiotic effect. It suggests the effects of L-fucose and HMOs are structure and species-dependent. The long-term effect of breast milk can be linked to HMOs. Further research should focus on the biosynthesis of HMOs and effects of L-fucose on pathogenic gut bacteria.

Vincius F. Vieira
Hillsborough Community College

Misconceptions and Possibilities in Space Exploration

Space Exploration is a hot topic in astronomy currently. From the colonization on planets such as Mars, human travel to other galaxies, Earth Analogs, to Black Holes, there are many things that are not fully explored. This poster will focus on Mars and Earth Analogs, clearing some common misconceptions, and looking to discuss the future on these topics.

Lauren Whalen
Florida Gulf Coast University

The Kindness Project

The Kindness Project is an on-going service project directed by FGCU Professor Bill O'Dell and his wife, Elizabeth O'Dell. The Kindness Project spreads awareness about Lee County homelessness and works to collect donations for "Blessing Bags." Lee County has identified that an "insufficient public awareness of homelessness results in limited community engagement and involvement in addressing and preventing homelessness for individuals and families" (Lee's Investment For Everyone). Our society views the homeless population as a burden; two common perceptions are that homeless individuals are dangerous and their destructive decisions have driven them to poverty (Donley). This negative conception of homelessness dissuades the public from civic engagement; therefore, the Kindness Project seeks to educate Lee County locals about homelessness in hopes to provide the public with the information and resources needed to lift the damaging stereotype of homelessness. FGCU's promotion of service has inspired students to join the Kindness Project to improve Florida's Southwest community.

Griffin Woods
South Florida State College

Growth Factor Binding Affinity and Rate in Endothelial and Cancer Cells

Growth factor binding affinity and rate affects DNA transcription differently across cell types. Anticipated results of the introduction of growth factors in endothelial cells is angiogenesis. In cancer cells the result is expected to be vascular mimicry (VM). Chemiluminescence labeling will be used to test binding rates and expected outcomes.

May Zaw
University of West Florida

*Characterization of the Gut Microbiota in Response to Probiotic Supplements in *Drosophila melanogaster**

The fruit fly *Drosophila melanogaster* is an excellent model organism through which to study neurobiology because it reproduces quickly and has a similar genetic makeup to many other animals, including humans. For instance, several human neurodegenerative diseases have been associated with mutations in genes, such as those relevant to Parkinson's and Alzheimer's, that are similar to genes found in fruit flies. In this study, we investigated several of these type of genes, including, presenilin (psn), buffy, deBcl, and pink1 for their impact on mitochondrial health due to their pro-apoptotic or pro-survival nature. The first assay used as a means of preliminary results was the motility assay. By comparing the motility capacity of flies lacking either one of these genes to the wild type during the larval stage, a baseline of these genes' effects on motor neuron health was established to indirectly reflect mitochondrial health. We found that flies with loss of function mutations of psn or pink1 show a decrease of motility in the larval stage, whereas flies with loss of buffy show an increase in motility. Flies with loss of debcl show no evident change in motility. We conclude the psn and buffy genes seem to have opposite effects concerning motor neuronal health. Further analysis on the mobility of a psn-buffy double mutant will give us more information on the relationship between these two genes. The second assay used is the TUNEL (Terminal deoxynucleotidyl transferase dUTP nick end labeling) assay. This assay is to measure cell death during the fly wing development of these mutant flies compared to that of wild type fly for any observable correlation between the cell death and motility capacity. The cellular level studies of these genes will shed light on the mechanism how these genes work together or antagonize each other.

FRESHMAN/SOPHOMORE DOCUMENTED RESEARCH/CRITICAL THINKING

Sara Humphrey
Sante Fe College

Liriodendron tulipifera: Examination of the 'Coastal Plain Ecotype'

Kathleen McBride
Seminole State College of Florida

Abuse is Power: The Toxicity of Stockholm Syndrome Between Offred and the Commander in Margaret Atwood's 'The Handmaid's Tale'

Ezra Prather
Florida State University

Finding Solace Through France: Redefining and Regulating Online Hate Speech

Molly Rimes
Florida State University

Breaking the Reincarceration Cycle Through Federally Funded Education for Prisoners

FICTION

James Adaryukov
Florida Atlantic University
Emotional Unintelligence

Amber Beck
Sante Fe College
Barmecide

Jacqueline Cano
Jacksonville University
Lavendar

Gina Marie Gruss
Florida Atlantic University
Alone

JUNIOR/SENIOR DOCUMENTED RESEARCH/CRITICAL THINKING

Kelechi Akwataghibe
Jacksonville University
The Man, The Book, The Legacy

Jacqueline Cano
Jacksonville University
The Importance of Lying: The Authorial Power to Shape Life Through Fiction

Hannah Cone
Jacksonville University
The Odd Life of Margery Kempe

D'Ayn Sayre
Jacksonville University
This is the Way: Mary Oliver's Place in the Male-Dominated Canon and the Limits of Feminist Critique

POETRY

Jacqueline Cano
Jacksonville University
Defender of Men

Lily Connolly
University of Tampa
Roar

Gina Marie Gruss
Florida Atlantic University
For Dad

May Zaw
University of West Florida
Waves

Tatyana Cabrera-Espinal
Tallahassee Community College
SOHE

Sean Cain
Tallahassee Community College
Hand of God

Sylvia Dean
Jacksonville University
What We Sea

Britney Ji
Jacksonville University
Beta

Kayla Perez
Florida Gulf Coast University
Cascading Affliction

Lauren Polimeno
Jacksonville University
Inner Colors

Elizabeth Pozen
Jacksonville University
*Gateway to the Atlantic Ocean
through the Snæfellsnes Peninsula*

Caleb Schaefer
Seminole State College of Florida
High Rise

Daniella Segnini
Florida Atlantic University
Feet or Wings

Maline Tanis
Tallahassee Community College
We Are Here

Tracey Tobkin
Florida Atlantic University
The Tiniest Machine

Anna Tripp
Jacksonville University
Retrospective

Bianca Wong Rodriguez
Jacksonville University
Cold Books, Warm Stories

