12:45pm

**Welcome and Keynote**

Join us for our Welcome Remarks, Keynote Panel, and tips on How to Make the Most of FURC!

If you're experiencing any difficulty accessing the Welcome Remarks and Keynote Panel via zoom, you can use this link to access it directly through zoom webinar: https://fsu.zoom.us/s/97509165321

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**Speakers**

- **James Du** FSU
- **Meredith Lynn** FSU
- **Michelle Therrien (Speaker, she/her)** Florida State University
- **James E. Wright, II** FSU
- **Eric Freundt** Florida Undergraduate Research Association (FURA)
- **David Advent (FSU FURC Organizer; He, Him, His)** Assistant Director, Center for Undergraduate Research and Academic Engagement (CRE)
- **Yanira Campos (Organizer; She/Her/Hers)** Graduate Assistant - Center for Undergraduate Research & Academic Engagement, Florida State University
- **Latika Young (she/her)** Director, Center for Undergraduate Research and Academic Engagement, Florida State University
2:15pm

Grad School Recruiter Fair
⏰ 2:15pm - 3:15pm, Feb 26

3:30pm

First Workshop
⏰ 3:30pm - 4:15pm, Feb 26

11 Subsessions

- Pursing Your Teaching Passion through the Program for Instructional Excellence: An Overview of Services
  ⏰ 3:30pm - 4:15pm, Feb 26
- Live Well: Health and Wellness
  ⏰ 3:30pm - 4:15pm, Feb 26
- Funding Your Graduate Education
  ⏰ 3:30pm - 4:15pm, Feb 26
- Strategies & Techniques to Improve Your Goal Setting
  ⏰ 3:30pm - 4:15pm, Feb 26
- Learning, Development & Growth through Diversity, Equity & Inclusion Involvement
  ⏰ 3:30pm - 4:15pm, Feb 26
- So, Who Owns Knowledge and Research?
  ⏰ 3:30pm - 4:15pm, Feb 26
- How to Establish an Undergraduate Research Society at Your Institution
  ⏰ 3:30pm - 4:15pm, Feb 26
- Google Like a Boss
  ⏰ 3:30pm - 4:15pm, Feb 26
- The Florida Undergraduate Research Journal -- Opportunities to Publish in and to be a Part of the Student Editorial Board
  ⏰ 3:30pm - 4:15pm, Feb 26
- How To Get The Best Letter of Recommendation
  ⏰ 3:30pm - 4:15pm, Feb 26
- Applying to Medical School
  ⏰ 3:30pm - 4:15pm, Feb 26

4:30pm

Poster Session One
⏰ 4:30pm - 5:30pm, Feb 26

100 Subsessions

- COVID-19 has Affected the Learning and Mental Health of Students with Learning Disabilities
  ⏰ 4:30pm - 5:30pm, Feb 26
- COVID-19 and Mental Health
  ⏰ 4:30pm - 5:30pm, Feb 26
• Bullying in Students with Learning Disabilities Vs. Students with Out Learning Disabilities
  4:30pm - 5:30pm, Feb 26

• Healing La Raza: Painting a Portrait of Colorism in Latinx Communities
  4:30pm - 5:30pm, Feb 26

• Project S.H.R.E.D. - Surfing Hydrodynamic Research using Engineering Design
  4:30pm - 5:30pm, Feb 26

• Active Stabilization Using Proportional Control
  4:30pm - 5:30pm, Feb 26

• Electrospray Application for Thin Film Carbon Nanotube Desposition
  4:30pm - 5:30pm, Feb 26

• Comparative Analysis of HCoV_SARS_2 Proteins: Spike, NSP5, and NSP12
  4:30pm - 5:30pm, Feb 26

• Analysis of COVID-19 Sentiments: Minority student Anxiety due to Online course delivery
  4:30pm - 5:30pm, Feb 26

• PEACE: Protecting the Elderly with AI for Clinical Emergencies
  4:30pm - 5:30pm, Feb 26

• Factors of Political Affiliation: America's Choices
  4:30pm - 5:30pm, Feb 26

• Outer Space- The New Discourse
  4:30pm - 5:30pm, Feb 26

• The Evolution of the Identifiable Analysis of the Novel COVID-19 Virus in Florida
  4:30pm - 5:30pm, Feb 26

• The Silent Crisis: Missing and Murdered Indigenous Women and Girls and the effort to bring awareness
  4:30pm - 5:30pm, Feb 26

• Home Ownership Rates and Related Influential Variables: Real Estate Markets, 2008 and 2020
  4:30pm - 5:30pm, Feb 26

• Identification of Genes Involved in Drought Tolerance of Ball Moss (Tillandsia recurvata)
  4:30pm - 5:30pm, Feb 26

• Tipsy Cops and Robbers: The Modeling of Pursuit Scenarios on Various Graphs
  4:30pm - 5:30pm, Feb 26

• Analyzing Fibronectin Gene Expression in Native Pancreatic and Pancreatic Adenocarcinoma Samples
  4:30pm - 5:30pm, Feb 26

• How the 2016 Presidential Campaign Intensified Racial Divisions
  4:30pm - 5:30pm, Feb 26

• Novel Stilbene Analogues Inhibit Viability of Breast Cancer Cell Lines in Culture
  4:30pm - 5:30pm, Feb 26

• In Silico Investigation into SARS-CoV-2 SPIKE and NSP1 Proteins Structure and Function, with Specific Focus on Phosphorylation Sites, Motifs, and 40S Ribosomal Subunit Binding Sites
  4:30pm - 5:30pm, Feb 26

Conservation of Proteins Potentially Influencing CoV-SARS2 Infectivity of NSP5 & Nucleocapsid

Near-infrared light propagation analysis of Fitzpatrick skin types using Monte-Carlo

Effects of T7 RNA polymerase and porphyrin P2 isomer on each other binding affinities on phiX174RF DNA using restriction enzyme assays

An evolutionary analysis of the post-translational modifications of SARS-CoV-2 Spike and NSP13

"Predicting Math Anxiety in Preservice Teachers by Examining Key Predictors"

What is the relationship between pitch count, strength, and pain for Division II collegiate softball pitchers?

Interventions to Support Children During the Death and Dying of a Parent

Green Chemistry in the Organic Lab

Buffering the Effects of Early Adverse Environments on Executive Function

Visualizing Triangular Structures on the Sphere

The Accuracy of ImageJ in Measuring Sponges From Field Photographs

BMI as a Moderator of Adverse Childhood Experiences and Health Problems in Older Adults

Implicit Suicidal Cognitions: An Examination of a New Approach to the Death Implicit Association Test

The Role of Error Sensitivity in Evaluating Others

Social Media and Social Happiness

Ya no se deja: a chronicle in Puerto Rican sociopolitical solidarity

Social Media Influences Our Organic Rhythms in the Context of Neoliberal Capitalism: An Exploration into Performative Consumption through TikTok

Creating a Sense of Place in Midtown Tallahassee, Florida
Prevalence of Mental Health Stressors within a University Dance Department
© 4:30pm - 5:30pm, Feb 26

● Positional vs. Relational: The Lens in which Leadership Programs are Taught Across the United States
© 4:30pm - 5:30pm, Feb 26

● The Effect of Optional Retrieval Practice on Long Term Retention.
© 4:30pm - 5:30pm, Feb 26

● Structured variability across animals in remapping behavior
© 4:30pm - 5:30pm, Feb 26

● Introducing nonlinear dynamical systems and chaos studies in undergraduate programs.
© 4:30pm - 5:30pm, Feb 26

● Charrettes, Urban Planning, and Deliberative Democracy
© 4:30pm - 5:30pm, Feb 26

● The Crux of Conservation: Ecotourism and Community Livelihoods During the COVID-19 Pandemic
© 4:30pm - 5:30pm, Feb 26

● Three Centuries of Service: a Study on the Local Response to the Changing Role of Public Libraries
© 4:30pm - 5:30pm, Feb 26

● The Influence of Pharmacological Osteoporosis Treatment on Refractures Following Kyphoplasty
© 4:30pm - 5:30pm, Feb 26

● Assessing the Role of the Circadian Clock in Thyroid Cancer Cell (MDA-T41) Metabolism and p53 Expression
© 4:30pm - 5:30pm, Feb 26

● Talking Planimals! Identifying Genes Associated with Coral Bioacoustics
© 4:30pm - 5:30pm, Feb 26

● Biomarkers to predict metastasis in colorectal cancer
© 4:30pm - 5:30pm, Feb 26

● Development of a Kinase Translocation Reporter Assay for High-Throughput Screening of Novel PAK1 Inhibitors
© 4:30pm - 5:30pm, Feb 26

● Impact of Systemic Pathologies on Increased Risk of Endodontic Disorders
© 4:30pm - 5:30pm, Feb 26

● Exploring New Methods for Safe Disposal of Gold Nanoparticle Waste Materials
© 4:30pm - 5:30pm, Feb 26

● Literature Review: Community-Based Participatory Research (CBPR) and Mental Health
© 4:30pm - 5:30pm, Feb 26

● The Correlation Between Smartphone Use Before Bed and Sleep Outcomes in College Students
© 4:30pm - 5:30pm, Feb 26

● Can Lifespan be Extended with a Drug? Analysis of a Novel Compound that Mimics Dietary Methionine Restriction.
© 4:30pm - 5:30pm, Feb 26

● Sharenting and Implications of Sharing Young Children’s Photos on Social Media
Effects of Vaping Additive: determining impact of vitamin E acetate on cell growth and death patterns

Using Polyelectrolyte Complexes for the Encapsulation of Doxorubicin

Bias in Identifying Emoji Message Meaning in Lonely and Non-Lonely Individuals

Phototransduction components involved in the visual system of hard-bodied ticks

Remote Learning: The Impact of Alternative Assessments on Student Experience in a Fundamental Chemistry 1 Course

Are pre-service and in-service teachers aware of their implicit racial biases in diverse classrooms?

Perceptions and Health Effects of Electronic Cigarettes among College Students

The Effect of Aerobic Exercise on Children with Autism Spectrum Disorder

Examining the Mental Health Symptoms Among English and Spanish-speaking Populations

Abolitionist Perspectives on Russian Serfdom Before the Emancipation of the Serfs

Remote Teaching: Best Practices and Students' Experience

Understanding Africa in the 21st: the past, present, and Prospects for the future.

Association between plasma phytoestrogen and health-related quality of life in breast cancer survivors

A Review of the Relationship Between Race and SES to Postpartum Depression

Bioinformatic analysis of the correlation between the Csr system and the fim, csg and, pga operons regulation of adhesion and biofilm formation in members of the human microbiome.

Bioinformatic Analysis of the Correlation Between the Csr System and Extreme Acid Resistance Systems in Members of the Human Microbiome

GFAP immunization ameliorates neurodegeneration in mice with TBI and TBI-induced dementia

Investigating Patterns of Polysubstance Use Among Stimulant Users Age 10 to 18 from a National Survey
The Safety Profile of Mitragynine, the Primary Constituent in Kratom (Mitragyna speciosa) in Rats
4:30pm - 5:30pm, Feb 26

Exploring the role of the COVID-19 pandemic in risk of child maltreatment & poor academic outcome in youth with Craniofacial anomalies
4:30pm - 5:30pm, Feb 26

Semantic Segmentation for Printed Circuit Board Components
4:30pm - 5:30pm, Feb 26

The Role of Behavioral Conditioning in Micromagnetic Stimulation
4:30pm - 5:30pm, Feb 26

Novel mouse models of a progressive genetic disorder suggest roles for dysregulation of cerebrospinal fluid production in disease pathogenesis
4:30pm - 5:30pm, Feb 26

Study to Characterize Axion-like Particle Properties in Higgs Boson Decays
4:30pm - 5:30pm, Feb 26

Police-Mental Health Teams: A Literature Review of their Effectiveness in Reducing Recidivism among Individuals with Mental Illness
4:30pm - 5:30pm, Feb 26

What is Home?: Investigating Notions of Belonging and Reverse Migration
4:30pm - 5:30pm, Feb 26

The effects of repetitive sensory experiences on the McGurk illusion.
4:30pm - 5:30pm, Feb 26

Regulation of Oncogenic Stress Response in Gastric Cancer
4:30pm - 5:30pm, Feb 26

Detection of Staphylococcus aureus and Methicillin-Resistant Staphylococcus aureus (MRSA) in Tampa Bay recreational areas using eDNA and molecular validation by PCR.
4:30pm - 5:30pm, Feb 26

Quantifying Staphylococcus aureus and MRSA at Gandy Beach
4:30pm - 5:30pm, Feb 26

Climate Change in Wyoming
4:30pm - 5:30pm, Feb 26

The Impact of Social Determinants of Health on COVID-19 Health Disparities in Tampa, Florida
4:30pm - 5:30pm, Feb 26

Examining Psychopathic Traits and Physiological Indicators of Emotion Regulation
4:30pm - 5:30pm, Feb 26

Tostan: Impacts Locally and Transnationally
4:30pm - 5:30pm, Feb 26

4:30pm - 5:30pm, Feb 26

Sharenting and Implications of Sharing Young Children’s Photos on Social Media
4:30pm - 5:30pm, Feb 26

HBOT Enhanced Physical Therapy: A Novel Approach to Improve Rehabilitation for Neurological Brain Injury
4:30pm - 5:30pm, Feb 26
Representing the “Enlightened Family” in Eighteenth-Century Art
4:30pm - 5:30pm, Feb 26

Comparing the Relationship Between Hourly TikTok Usage and Focused Attention Performance
4:30pm - 5:30pm, Feb 26

A Content Analysis of Communication in Professional Esports
4:30pm - 5:30pm, Feb 26

The Dorset Chronotope
4:30pm - 5:30pm, Feb 26

6:00pm

Connect & Chat: Adventure Quest
6:00pm - 6:30pm, Feb 26
Connect and win with your fellow attendees! Within this half-hour, you'll have the opportunity to get to know one another and complete a virtual adventure quest. Upon completion of the adventure quest, attendees can enter into a raffle for FURC swag! You will receive a list of prompts, such as “First time at FURC,” “Conducts research in STEM,” and “Will attend the Social Hour,” and will be tasked with chatting with students and writing down the names of those who fit the bill for each prompt. You will then submit a short Qualtrics form specifying which prompts you completed with the student's names. When joining connect & chat make sure to allow microphone and video access. If you are not able to allow access, you will not be able to participate in the connect and chat session. After accepting you will be able to join the session and later mute or turn off video. Please make sure to join your network session promptly as tables will have scheduled shuffle times. After joining the session, you will be assigned to a table with other participants. If you leave a table before it shuffles, you will have to wait until the next shuffle time to join another table. You will have 5 minutes at each table, each table will have 4 people. For the adventure quest, you can only use one name once. The adventure quest will be due at 7:30 pm. Here's Qualtrics Link for Adventure Quest: http://bit.ly/FURCquest

Virtual Networking Sessions
7:00pm - 8:05pm, Feb 26
Connect with your fellow attendees and join one of our virtual networking sessions! We have a variety of sessions available focusing on different shared topics, from STEM and Arts research to more identity-focused rooms! These sessions are intended to be casual conversation and networking sessions for students so attendees and presenters can get to know one another better and learn more about each other's research experiences.

15 Subsessions

Grillin' and Chillin' - Sharing grilled cheese recipes and cooking together!
7:00pm - 7:30pm, Feb 26

New Researchers
7:00pm - 7:30pm, Feb 26

Graduating Researchers
7:00pm - 7:30pm, Feb 26

First-Gen Student Researchers
7:00pm - 7:30pm, Feb 26

LGBTQ+ Student Researchers
7:00pm - 7:30pm, Feb 26

Creative Arts and Humanities Research
7:00pm - 7:30pm, Feb 26
Sat, Feb 27, 2021

8:30am

Welcome to Day Two Coffee Meetup
8:30am - 9:00am, Feb 27

Welcome to Day Two of FURC 2021! Create a coffee meetup through Whova with a conference participant that you "met" yesterday!

9:00am

Second Poster Session
9:00am - 10:00am, Feb 27

97 Subsessions

- North American Felid Keepers Perception of Welfare and the Implications for Zoo Managers
  9:00am - 10:00am, Feb 27

- A Preliminary Analysis of the Difference in Zookeeper Attachment to Animals by Taxonomic Groups
  9:00am - 10:00am, Feb 27

- Using Enrichment to Decrease Aggression Between Stingrays in a Mixed-Species Exhibit
  9:00am - 10:00am, Feb 27

- The Ukrainian Crisis, Violence in the East, and its effect on Ukrainian Internally Displaced People and Refugees
  9:00am - 10:00am, Feb 27

- Potential Contribution of 7-Hydroxymitragynine, a Metabolite of the Primary Kratom (Mitragyna Speciosa) Alkaloid Mitragynine, to the μ-Opioid Activity of Mitragynine in
Rats

- Salinity Effects on Indian River Lagoon Invertebrate and Vertebrate Composition
- Advanced Analysis of Hispanic Voter Activity in Florida Through Sub-Ethnicities Identification
- Tipsy Cop and Tipsy Robber-A Game on Graphs
- Discrete Fourier Frames and Tiling
- A Novel Machine Learning Approach for Covid-19 Recognition from X-Ray Images
- PODS Case Study: Targeting Millennials, Gen Z, and HR Professionals.
- Symmetric Structures in Viruses
- Analyzing Probabilistic Algorithms for Integer Factorization and Discrete Logarithm Computations
- Causes of procrastination among gender and age groups
- Mapping differences in circadian locomotor activity in field-collected Aedes aegypti mosquitoes
- Computational fluid dynamic (CFD) simulation of a bioreactor system to study the effect of oscillatory shear environments on the progression of valvular pathology.
- Cooperativity and Competition in the Binding of N-methylpyridylporphines and SP6 RNA Polymerase to PhiX174RF DNA
- Australiana: Nationalism and Identity in the Music of “The Land Down Under”
- Comparison of Tissue Oxygenation Changes Captured by Near-Infrared Optical Scanner to Clinical Diagnosis of Radiation Dermatitis in Breast Cancer Subjects
- Greener Synthesis and Examination of a Series of Pyrano[3,2-c]quinoline Analogues as Novel Anticancer Agents
- The Implementation of a Spartan Model’s Effect on Students’ Overall Understanding of Esterification Reactions
- Using Generative Adversarial Networks within a Synthetic Data Production Pipeline
- Does CBD (Cannabidiol), the Non-Psychoactive Ingredient of Cannabis, Mitigate Anxiety in Mice?
Association between Anxiety and Perfectionism in Individuals with Elevated Levels of Perfectionism  
9:00am - 10:00am, Feb 27

Compound ascidian coverage and associated Echinaster spinulosus predation in St. Joseph Bay  
9:00am - 10:00am, Feb 27

Development of a Prediction Model of Drug Ratings Using User Reviews: Implementation with Transformer-Based Natural Language Models  
9:00am - 10:00am, Feb 27

Is one's ability to be flexible with word pronunciations purely sound-based?  
9:00am - 10:00am, Feb 27

The Effect of Conductor Magnitude on Students' Perceptions of Inspiration  
9:00am - 10:00am, Feb 27

Automating Software Traceability Link Recovery and Maintenance using Word Embeddings within a Shallow Neural Network  
9:00am - 10:00am, Feb 27

Medias Relationship with Perceptions of Race: A Case Study in France  
9:00am - 10:00am, Feb 27

Spatial Disorientation and Alzheimer's Disease: The Relationship Between Activation Profiles in the Brain's Navigational System and Reorientation Deficits in the 3xTg-AD Mouse Model of Tau and Amyloid Beta Aggregation  
9:00am - 10:00am, Feb 27

The Role of 14-3-3 Proteins in Schizophrenia-associated Behavior  
9:00am - 10:00am, Feb 27

Developing an Understanding of How Couples Interact in the Context of Problem Solving  
9:00am - 10:00am, Feb 27

Mixed-Use Zoning Codes and their Effects on Housing Units  
9:00am - 10:00am, Feb 27

Banking the Unbanked: Increasing Financial Service Access  
9:00am - 10:00am, Feb 27

Tracking Anti-Transgender Violence: Building a Comprehensive Database  
9:00am - 10:00am, Feb 27

Taking the Bus to the Polls: Public Transit Accessibility and Voter Turnout in the Sacramento Area  
9:00am - 10:00am, Feb 27

Podcasting Art: Exploring the Impacts of Global Pandemic on Artists' Creativity  
9:00am - 10:00am, Feb 27

Bollywood: Women Characters and Women Directors  
9:00am - 10:00am, Feb 27

Exploring the immediate suicidal context via coding free-responses of suicidal ideators and attempters  
9:00am - 10:00am, Feb 27

The Role of Health in the Relationship Between Subjective Memory Complaints, Anxiety, and Depression During the COVID-19 Pandemic  
9:00am - 10:00am, Feb 27
Online Survey among Frontline Healthcare Workers of Nepal on Re-utilization of Medical Instruments from Developed Nations
9:00am - 10:00am, Feb 27

Location Affects Physical Activity Rates: Rural and Urban Comparisons
9:00am - 10:00am, Feb 27

Clean Water Not Prevalent in Beaches Across the World
9:00am - 10:00am, Feb 27

Effect of Frequent Snapchat Filter Usage on Self Esteem.
9:00am - 10:00am, Feb 27

TGFβ Receptor expression in endothelial cells
9:00am - 10:00am, Feb 27

Contralateral Repeated Bout Effect of the Elbow Flexors in Untrained Males
9:00am - 10:00am, Feb 27

9:00am - 10:00am, Feb 27

The use of Staphylococcus aureus and MRSA as an Indicator of Human Pollution in Tampa Bay
9:00am - 10:00am, Feb 27

Acid-Induced Intracellular Dissociation of Cytolethal Distending Toxin
9:00am - 10:00am, Feb 27

The Two N-terminal Thioredoxin Domains of Protein Disulfide Isomerase are Sufficient for Cholera Toxin Disassembly
9:00am - 10:00am, Feb 27

Minimizing Interpulse Variability In Corticospinal Excitability: How Many TMS Pulses Are Optimal?
9:00am - 10:00am, Feb 27

ADHD Children’s Susceptibility to Interference in Memory Rehearsal
9:00am - 10:00am, Feb 27

The Effect of QPR Training on Suicide Gatekeepers’ Referral Behavior
9:00am - 10:00am, Feb 27

Perceptions of Oral Health Access among Foreign-born College Students
9:00am - 10:00am, Feb 27

Long-term Responses of Infaunal Communities to Oyster Reef Restoration
9:00am - 10:00am, Feb 27

Ruffled Feathers: Influences of Restoration and Motorized Boating Activities on Wading Bird Biodiversity and Behaviors on Intertidal Oyster Reefs
9:00am - 10:00am, Feb 27

Analysis of spatial hierarchy of real and ideal chemistry learning spaces
9:00am - 10:00am, Feb 27

Targeting Arginine Biosynthesis to Control and Reverse Small Cell Transformation in Lung Cancer
9:00am - 10:00am, Feb 27

Using Genetics in a Model Organism to Understand Polyamine Transport
9:00am - 10:00am, Feb 27

Volatile Organic Compound Field Analysis Instrument Development Using Open
Source Technology

9:00am - 10:00am, Feb 27

- Undergraduate Perceptions of Chemistry Learning Spaces
  9:00am - 10:00am, Feb 27

- Relating the Big Five Personality Factors and the Method of Dog Obtainment in Dog Owners
  9:00am - 10:00am, Feb 27

- Domestic Migrant Workers in Lebanon: Factors Influencing a Precarious Position
  9:00am - 10:00am, Feb 27

- Using digital platforms to capture diagnostic reasoning using multimodal data: Implications for enhancing medical education
  9:00am - 10:00am, Feb 27

- The Impact of Unexpected Chaos on the Development of a Child with Cognitive, Social, and Emotional Delays: A Case Study
  9:00am - 10:00am, Feb 27

- Electrical Stimulation of ASCs for Potential Use in Neural Regeneration
  9:00am - 10:00am, Feb 27

- Adapting Corn to Heat Stress Via Carbohydrate Metabolism Modification
  9:00am - 10:00am, Feb 27

- TECH Parenting Model: Differences Across Parent and Child Reporters Based on Risk Classification
  9:00am - 10:00am, Feb 27

- Motion Compensated LiDAR for Microrobots
  9:00am - 10:00am, Feb 27

- A closer look at self-concept clarity and its relation to self-comparison over time
  9:00am - 10:00am, Feb 27

- Pathways to Maternal Death in the Hospital: The Importance of Missing Information in Case-Comparison Data from Tanzania
  9:00am - 10:00am, Feb 27

- Impact of prophages on the diversity and bacteriophage susceptibility of Burkholderia pseudomallei
  9:00am - 10:00am, Feb 27

- Comparative Analysis of Ethnic Studies in Higher Education
  9:00am - 10:00am, Feb 27

- America's Wellness Consumerism
  9:00am - 10:00am, Feb 27

- Identifying virulence factors in norovirus infection
  9:00am - 10:00am, Feb 27

- Developing Effective Cancer Communication Interventions: A Comparison of Rural White Men and Women's Perceptions of Virtual Health Assistants
  9:00am - 10:00am, Feb 27

- Measuring cognitive control and the reduction of racial bias with fNIRS
  9:00am - 10:00am, Feb 27

- Investigating Mindful Meditation and its effects on Emotional Processing using fNIRS
  9:00am - 10:00am, Feb 27

- The Perceptions of Healthcare Providers on Translator Mediated Care
  9:00am - 10:00am, Feb 27
A Case Study in BTS Documentary Filmmaking  
9:00am - 10:00am, Feb 27

Abundance and Occurrence of Vibrio sp. as a Source of Marine Contamination and the Relationship Between Vibrio sp. and Zooplankton.  
9:00am - 10:00am, Feb 27

Comparison of a Simulated Aquaculture Environment vs. Natural Habitat on Health and Reproductive Success of the Local Green Urchin Lytechinus variegatus.  
9:00am - 10:00am, Feb 27

Redlining in Philadelphia Pennsylvania shown through Grocery Store Location  
9:00am - 10:00am, Feb 27

Stellar Members of Theia 456  
9:00am - 10:00am, Feb 27

Comparing mental health and drinking between bisexual and homosexual individuals at the onset of COVID-19  
9:00am - 10:00am, Feb 27

The Psychology of Platonic Relationships  
9:00am - 10:00am, Feb 27

Prevention and Treatment Continuum for Vocal Fold Pathologies in Singers  
9:00am - 10:00am, Feb 27

Are Jacksonville University Division 1 athletes self reporting higher usage of alcohol and other negative health behaviors than non athletes  
9:00am - 10:00am, Feb 27

Perfected Pictures: The Relationship between Enhanced Instagram Pictures and Body Self-Image in College Students  
9:00am - 10:00am, Feb 27

Self-Esteem Influenced by TikTok: Differences Between Users and Non-Users  
9:00am - 10:00am, Feb 27

Consumer Attitudes: Effect of a Sales Associate's Sex, Store of Employment, and Gender Expression on Attitudes Towards the Sales Associate  
9:00am - 10:00am, Feb 27

Evolutionary Analysis of the SARS-CoV-2 Proteome: How the content of intrinsic disorder and predicted modifications sites of nucleocapsid and nsp5 may have contributed to the infectivity of SARS-CoV-2  
9:00am - 10:00am, Feb 27

Mitragynine, the Primary Alkaloid in Mitragyna Speciosa (Kratom), as an In Vivo Adrenergic Alpha 2 Receptor Agonist in Rats  
9:00am - 10:00am, Feb 27

Somatosensory Cortex Surgical Implantation for Micromagnetic Stimulating Device  
9:00am - 10:00am, Feb 27

The Use of Data Analytics to Examine Salaries Among NBA and WNBA Athletes  
9:00am - 10:00am, Feb 27

ALK1 and Endoglin Expression and BMP-9’s Effect on Neurite Outgrowth  
9:00am - 10:00am, Feb 27

10:15am

Second Workshop
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
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<tbody>
<tr>
<td>10:15am - 11:00am, Feb 27</td>
<td>Virtual FURLS 2021 – Undergraduate Research Leaders Working Together to Improve to Undergraduate Research Experience: Implications of a Virtual Experience for Expansion</td>
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<tr>
<td>10:15am - 11:00am, Feb 27</td>
<td>What Do I Need to Know about Patent Searching?</td>
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<tr>
<td>10:15am - 11:00am, Feb 27</td>
<td>Avoiding the Dark Side: Cases in Research Ethics</td>
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<tr>
<td>10:15am - 11:00am, Feb 27</td>
<td>Highlighting research experience in your graduate school application materials.</td>
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<tr>
<td>10:15am - 11:00am, Feb 27</td>
<td>Get Ready for the GRE</td>
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<tr>
<td>10:15am - 11:00am, Feb 27</td>
<td>How to Create a Successful Relationship with Your Faculty Research Mentor</td>
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<tr>
<td>10:15am - 11:00am, Feb 27</td>
<td>Summer Off-Campus Research Opportunities</td>
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<tr>
<td>10:15am - 11:00am, Feb 27</td>
<td>Creating Your Story</td>
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<tr>
<td>10:15am - 11:00am, Feb 27</td>
<td>Connecting in Undergraduate Research During a Pandemic</td>
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<tr>
<td>10:15am - 11:00am, Feb 27</td>
<td>Demystifying the Research Writing Process: How to Transform Your Poster into a Well-Written Research Paper</td>
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<tr>
<td>10:15am - 11:00am, Feb 27</td>
<td>FSU College of Medicine PreHealth Advising</td>
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<td>11:15am - 12:15pm, Feb 27</td>
<td>Parents of Millennials: Understanding Attitudes Across Generations</td>
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<tr>
<td>11:15am - 12:15pm, Feb 27</td>
<td>Effects of Human Disturbance on Biomass and Biodiversity in the Indian River Lagoon</td>
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<td>11:15am - 12:15pm, Feb 27</td>
<td>Additive Manufacturing of Morphing Structures</td>
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<td>11:15am - 12:15pm, Feb 27</td>
<td>Project HOME (Hydroponic Operations for Mars Exploration)</td>
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<td>11:15am - 12:15pm, Feb 27</td>
<td>Low-cost Sensors on Unmanned Aerial Vehicles: an Advancement in Air Quality Measurement</td>
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</table>
- Molecular Force Transmission Through Sub-cellular Structures
  ● 11:15am - 12:15pm, Feb 27

- American Sentiments on Behavioral & Cognitive Qualifications within Elected Officials
  ● 11:15am - 12:15pm, Feb 27

- The American Food System: Food for Thought?
  ● 11:15am - 12:15pm, Feb 27

- Is America "One Nation Under God"?
  ● 11:15am - 12:15pm, Feb 27

- The Melanocytic Effects Of hipk2 CRISPR Mutation
  ● 11:15am - 12:15pm, Feb 27

- Testing the Hatching Synchrony Hypothesis in Green Sea Turtles, Chelonia mydas--Thermal and Mechanical Effects
  ● 11:15am - 12:15pm, Feb 27

- Virtual Learning Experiences During COVID-19
  ● 11:15am - 12:15pm, Feb 27

- Differential Detection and Analysis of DNA From Various Substrates Commonly Found at Crime Scenes
  ● 11:15am - 12:15pm, Feb 27

- A Comparison of Living Arrangements and Mental Health in University Students
  ● 11:15am - 12:15pm, Feb 27

- Antibacterial Properties of Various Cytokine Mimetic Peptides
  ● 11:15am - 12:15pm, Feb 27

- Evolving Perceptions of Catholics in American Politics
  ● 11:15am - 12:15pm, Feb 27

- Impact of the Framing Effect on Perceptions of Physical Disabilities
  ● 11:15am - 12:15pm, Feb 27

- The potential role of post-translational modifications in SARS-Like Coronaviruses as an infectious driver: An In-Silico Investigation
  ● 11:15am - 12:15pm, Feb 27

- Patterns in defining sexual health related to ACE history and gender
  ● 11:15am - 12:15pm, Feb 27

- Rethinking Xinjiang: China's counterterrorism policies and human rights abuses toward the Uyghur minority
  ● 11:15am - 12:15pm, Feb 27

- qPCR Assay Design for Genital Microbial Signatures
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- Impacts of pediatric and adolescent chronic non-cancer pain on patients and families
  ● 11:15am - 12:15pm, Feb 27

- The Statistics of the Oscars: What type of nominee will win?
  ● 11:15am - 12:15pm, Feb 27

- The green synthesis and evaluation of isoindoliny moiety variations exhibiting anticancer properties
  ● 11:15am - 12:15pm, Feb 27

- An Analysis of the Hypoxic Zone formation in the Gulf of Mexico
Graphical Splittings of Artin Kernels

Uncoupling replication timing and transcription at the Dppa2/4 locus in mouse embryonic stem cells

First-Generation College Student Satisfaction with Academic Advising Methods

Understanding the Interaction Between Herbivore Density, Predator Presence and Chemical Plant Defenses on Plant Damage

Documenting the rise and fall of coral reef cyanobacterial mats

A Vlog A Day Keeps the Privacy Away: Children's Right to Privacy Online

Psychosocial characteristics associated with nonadherence in pediatric organ transplant patients

Excavating and Digitizing Archaeological Practices: A Case Study of Cosa 1970 vs 2020

Stem cells for cartilage repair: A comparison between mesenchymal stem cells and pluripotent stem cells

Historical Markers or Markers of White Supremacy? Confederate Memorialization, Racial Threat, and Hate Crime

Violence in the DRC: Conflict, Cosmos, and Health Care under Ebola

Sustainable Production Practices on Small-Budget Films

Examining Relations between Autism, Social Competence, and Social Anxiety

An Examination of How One African American Girl's Ideas were Taken Up by Her Peers in Varying Class Discussions

Reconquista: Religious Intolerance of a United Spain

Time-Dependent Measurement of Extracellular ATP Release from Islets of Langerhans Cells Using Microfluidic Chip Technology

Brain Reactivity to Affective Picture Stimuli in Individuals with Histories of Sexual and Non-Sexual Trauma

How do Modifiable Health Behaviors Affect Overall Health and Influence Neural Markers in Older Adults?
• Cue-induced reinstatement and cFos activity levels following chronic intravenous ketamine self-administration in male and female Long-Evans rats
  11:15am - 12:15pm, Feb 27

• The Impact of Airline Mergers on Punctuality: A Quantitative Analysis of the On-Time Performance and Congestion at Airports of American Legacy Carriers
  11:15am - 12:15pm, Feb 27

• United States Firearm Mortality Rate as Influenced by Gun Carry Laws and Contributing Factors
  11:15am - 12:15pm, Feb 27

• Does CRISPR gene silencing phenocopy exposure to phthalates in Drosophila?
  11:15am - 12:15pm, Feb 27

• Ionosphere deterministic characterization depending on solar cycle phase.
  11:15am - 12:15pm, Feb 27

• Are Video-Games Lying to Us?!
  11:15am - 12:15pm, Feb 27

• Assessing Open-Source EEG Data for Motor Imagery Processing Accuracy
  11:15am - 12:15pm, Feb 27

• Time to Clock In: Work-Sharing Policy in the United States
  11:15am - 12:15pm, Feb 27

• Anti-Cancer Properties Associated to Thymol: A Plant-Derived Bioactive Molecule
  11:15am - 12:15pm, Feb 27

• Dispositional Mindfulness and Stress Coping Amid the COVID-19 Pandemic: An Exploration of Potential Problem-Focused Mediators
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• Graph Neural Networks for Alzheimer’s Disease Classification from Retinal Imaging
  11:15am - 12:15pm, Feb 27

• Influences of miR-21* in the Heart-Kidney Axis
  11:15am - 12:15pm, Feb 27

• Role of Sugar in Cardiovascular Disease
  11:15am - 12:15pm, Feb 27

• A Novel bio-Inspired Routing Protocol for Wireless AD-HOC Networks
  11:15am - 12:15pm, Feb 27

• A Novel Internet Security package that Utilizes Deep Learning Techniques
  11:15am - 12:15pm, Feb 27

• Estimating Kurdish Population in Turkey: Population modeling with regression and Leslie matrices
  11:15am - 12:15pm, Feb 27

• Interim Nurse Management Roles: An Integrative Literature Review
  11:15am - 12:15pm, Feb 27

• Understanding the Link Between Perception and Action: An Examination of Conflicting Theories
  11:15am - 12:15pm, Feb 27

• Sedentary Behavior: an obesogenic risk factor in Rural Children.
  11:15am - 12:15pm, Feb 27

• Evaluation of a Remote-Based Nutrition Program for Adolescents with Autism
Spectrum Disorder: A COVID-19 Pilot Study
11:15am - 12:15pm, Feb 27

Systematic & Theoretical Analysis of Research: Habitation- Mars
11:15am - 12:15pm, Feb 27

Identifying Microplastic Abundances and Hotspots in the Guana, Tolomato, and Matanzas Rivers in Northeast Florida
11:15am - 12:15pm, Feb 27

Isoform-Specific Stress Hormone Neuroregulation via Pnmt
11:15am - 12:15pm, Feb 27

The Hindrance of Adverse Childhood Experiences on Attachment Through the Lens of Fathers on their Children
11:15am - 12:15pm, Feb 27

Emotion Experience to Expression: Influence of Psychopathy, Expression Suppression, and Working Memory
11:15am - 12:15pm, Feb 27

Vaccine Perceptions Variance Among People of Differing Socioeconomic Backgrounds
11:15am - 12:15pm, Feb 27

A Review of Virtual Reality Headsets as Medical Training Devices
11:15am - 12:15pm, Feb 27

Live/Dead and Metabolic Analysis of Adipose-derived Stem Cells following Electrical Stimulation
11:15am - 12:15pm, Feb 27

Relationship Between Food Security and Perceived Stress among Low-Income Black Seniors
11:15am - 12:15pm, Feb 27

Three-dimensional reconstruction of neutron-irradiated U-Mo fuel
11:15am - 12:15pm, Feb 27

Assessing Tissue Viability of Organotypic Tissue-Slice Culture in Pancreatic Cancer
11:15am - 12:15pm, Feb 27

Decreasing Counter-ion Molecular Weight to Optimize Conductive Polymer Properties For Neural Electrodes
11:15am - 12:15pm, Feb 27

Effects of Eccentricity on Binary Black Hole Detection Rates by LIGO
11:15am - 12:15pm, Feb 27

Acculturation is Linked to Stress and GPA
11:15am - 12:15pm, Feb 27

Child Maltreatment, Contact with the Child Welfare System, and Delinquency
11:15am - 12:15pm, Feb 27

Increases in County-Level Opioid Prescribing in the United States despite National Declining Rates, 2012-2018
11:15am - 12:15pm, Feb 27

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Food choices in the Solar Powered Sea Slug Elysia crispata
11:15am - 12:15pm, Feb 27
Biochemical analysis of the MAPK pathway during fertilization and blastogenesis using sea urchin Lytechinus species

Searching for Stellar Associations in Gaia DR2

The Long Term Physical and Psychological Consequences of Sex Trafficking on Women in Florida

Business & Cognition in Undergraduate Students: End-of-Semester versus Beginning-of-Semester Cognitive Performance

Survey of Extraction Methods for the Isolation of Eugenol

Embodied Injustices: COVID-19, Race, and Epigenetics

A Systematic Review of the Relationship between Alcohol Consumption and Anxiety Among College Students

Eco-Efficiency and its Implications on Macro Resource Use: An Empirical Study on Energy Consumption Patterns in Western Europe and USA 1984-2015

Exposure to Environmentally-Themed YouTube Videos and Self-Reported Mood Among College Students

The Singing Tower of Florida: Materializing the Progressive Era at Bok Tower Gardens

Assessing autonomic innervation of human pancreatic islet cells

A comparative study on Collaborative filtering and Group Preference Recommendation System in cold-start users

Characteristics of a Reacting Jet-in-Crossflow at Elevated Pressures

Reforming In-School Suspension: Best Practices in Improving Student's Behavior

Effects of Various Treatments on the Biofuel Production of the Marine Diatom Navicula

Public Purpose versus Patents: How Eminent Domain is impacting Intellectual Property Rights

12:30pm

Faculty Mentor Award & Advocacy Workshop "Research and Creativity in an Age of Misinformation"

The events of 2020 and now 2021 have proven a simple fact; we are all the better because of research
discoveries and creative insights. From the wildfires in Australia and California, to the locust swarms that devasted corps in Africa and the Arabian Peninsula, the COVID-19 pandemic, historic jobless rates, the episodes of systemic racism that polarized our collective consciousness, and the disruptions to our democratic processes, the past 14 months presented unimaginable challenges that demanded solutions that only research could address. Fortunately, we have witnessed some remarkable successes. For example, the FDA approved two separate COVID-19 vaccines at the time of this writing, which is simply awesome!

At the same time when research is addressing the issues of 2020, the importance of this work has been met with mixed responses. A few individuals, like you, have either participated or put in the effort to learn and understand research and creativity. However, most people do not have this privileged access. As a result, they have to make sense of this information in other ways, and that is where the problem exists. For the most part, people are swayed by opinion, not evidence. In fact, evidence can create entrenchment where people become increasingly beholden to invalid believes when confronted with contradictory evidence – think climate change deniers. So, what do you do? As a scholar, what can you do to help your family, friends, and community understand the challenges affecting societies as well as the latest discoveries and insights that work to correct the problems?

This workshop will help you learn how to share the results of your work effectively and clearly. In doing so, you will learn some tips to make the evidence both understandable and valued. Even if we overcome everything in 2020, we will always need scholars to help solve societal issues as well as better understand life, the universe, and everything. As a researcher, you, therefore, have a responsibility to share those beautiful insights with both the academic and general communities.

### Speakers

**Charles Gunnels** Florida Gulf Coast University

**Eric Freundt** Florida Undergraduate Research Association (FURA)

### 7:30pm

**(Optional Cultural Event) FSU University Symphony Orchestra**

- **7:30pm - 8:30pm, Feb 27**
- [wfsu.org/fsumusic](http://wfsu.org/fsumusic)

Though not officially part of the conference, Florida State is well known for its creative disciplines, including the College of Music. Come check out the College's spring concert of the Symphony, which is free and open to all.

Tune into wfsu.org/fsumusic on Saturday, February 27 at 7:30 p.m. for a wonderful evening of live orchestral music from the FSU College of Music!

The Florida State University College of Music is pleased to present the first live streamed performance of the University Symphony Orchestra! On Saturday, February 27, 2021 at 7:30 p.m., the USO, under the direction of Dr. Alexander Jiménez, will present their second performance of the year, live from Ruby Diamond Concert Hall. Works on the program include: Eight Miniatures for Small Orchestra by Roque Cordero, Siegfried Idyll by Richard Wagner, and Felix Mendelssohn's Symphony No. 4 “Italian”.

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