

# Florida Undergraduate Research Conference 2021

## Event Schedule

Fri, Feb 26, 2021

12:45pm

### Welcome and Keynote

🕒 12:45pm - 2:00pm, Feb 26

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/j/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

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**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

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**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 without 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

- Proposed Model to Improve Current Limitations Within Applied Sports Psychology Literature: A Conceptual Review  
⌚ 4:30pm - 5:30pm, Feb 26
- Conservation of Proteins Potentially Influencing CoV-SARS2 Infectivity of NSP5 & Nucleocapsid  
⌚ 4:30pm - 5:30pm, Feb 26
- Near-infrared light propagation analysis of Fitzpatrick skin types using Monte-Carlo  
⌚ 4:30pm - 5:30pm, Feb 26
- Effects of T7 RNA polymerase and porphyrin P2 isomer on each other binding affinities on phiX174RF DNA using restriction enzyme assays  
⌚ 4:30pm - 5:30pm, Feb 26
- An evolutionary analysis of the post-translational modifications of SARS-CoV-2 Spike and NSP13  
⌚ 4:30pm - 5:30pm, Feb 26
- "Predicting Math Anxiety in Preservice Teachers by Examining Key Predictors"  
⌚ 4:30pm - 5:30pm, Feb 26
- What is the relationship between pitch count, strength, and pain for Division II collegiate softball pitchers?  
⌚ 4:30pm - 5:30pm, Feb 26
- Interventions to Support Children During the Death and Dying of a Parent  
⌚ 4:30pm - 5:30pm, Feb 26
- Green Chemistry in the Organic Lab  
⌚ 4:30pm - 5:30pm, Feb 26
- Buffering the Effects of Early Adverse Environments on Executive Function  
⌚ 4:30pm - 5:30pm, Feb 26
- Visualizing Triangular Structures on the Sphere  
⌚ 4:30pm - 5:30pm, Feb 26
- The Accuracy of ImageJ in Measuring Sponges From Field Photographs  
⌚ 4:30pm - 5:30pm, Feb 26
- BMI as a Moderator of Adverse Childhood Experiences and Health Problems in Older Adults  
⌚ 4:30pm - 5:30pm, Feb 26
- Implicit Suicidal Cognitions: An Examination of a New Approach to the Death Implicit Association Test  
⌚ 4:30pm - 5:30pm, Feb 26
- The Role of Error Sensitivity in Evaluating Others  
⌚ 4:30pm - 5:30pm, Feb 26
- Social Media and Social Happiness  
⌚ 4:30pm - 5:30pm, Feb 26
- Ya no se deja: a chronicle in Puerto Rican sociopolitical solidarity  
⌚ 4:30pm - 5:30pm, Feb 26
- Social Media Influences Our Organic Rhythms in the Context of Neoliberal Capitalism: An Exploration into Performative Consumption through TikTok  
⌚ 4:30pm - 5:30pm, Feb 26
- Creating a Sense of Place in Midtown Tallahassee, Florida  
⌚ 4:30pm - 5:30pm, Feb 26

- **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**

⌚ 4:30pm - 5:30pm, Feb 26

- Effects of Vaping Additive: determining impact of vitamin E acetate on cell growth and death patterns

⌚ 4:30pm - 5:30pm, Feb 26

- Using Polyelectrolyte Complexes for the Encapsulation of Doxorubicin

⌚ 4:30pm - 5:30pm, Feb 26

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

⌚ 4:30pm - 5:30pm, Feb 26

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

⌚ 4:30pm - 5:30pm, Feb 26

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

⌚ 4:30pm - 5:30pm, Feb 26

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

⌚ 4:30pm - 5:30pm, Feb 26

- Perceptions and Health Effects of Electronic Cigarettes among College Students

⌚ 4:30pm - 5:30pm, Feb 26

- The Effect of Aerobic Exercise on Children with Autism Spectrum Disorder

⌚ 4:30pm - 5:30pm, Feb 26

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

⌚ 4:30pm - 5:30pm, Feb 26

- Abolitionist Perspectives on Russian Serfdom Before the Emancipation of the Serfs

⌚ 4:30pm - 5:30pm, Feb 26

- Remote Teaching: Best Practices and Students' Experience

⌚ 4:30pm - 5:30pm, Feb 26

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

⌚ 4:30pm - 5:30pm, Feb 26

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

⌚ 4:30pm - 5:30pm, Feb 26

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

⌚ 4:30pm - 5:30pm, Feb 26

- 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.

⌚ 4:30pm - 5:30pm, Feb 26

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

⌚ 4:30pm - 5:30pm, Feb 26

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

⌚ 4:30pm - 5:30pm, Feb 26

- Investigating Patterns of Polysubstance Use Among Stimulant Users Age 10 to 18 from a National Survey

⌚ 4:30pm - 5:30pm, Feb 26

- 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. UT Students: Ashley Thomas and Stella Nau  
⌚ 4:30pm - 5:30pm, Feb 26
- Quantifying Staphylococcus aureus and MRSA at Gandy Beach. UT: Hayley Kudzmas  
⌚ 4:30pm - 5:30pm, Feb 26
- Climate Change in Wyoming. UT student: Madelaine Lauger  
⌚ 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
- Proposed Model to Improve Current Limitations Within Applied Sports Psychology Literature: A Conceptual Review  
⌚ 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>

## 7:00pm

### **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.

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#### 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



- **Commercialization/Product Development/Design Thinking**  
⌚ 7:00pm - 7:30pm, Feb 26
- **COVID and Health Research**  
⌚ 7:00pm - 7:30pm, Feb 26
- **Physical Sciences (Engineering, Physics, Math, Chemistry, etc.) Research**  
⌚ 7:35pm - 8:05pm, Feb 26
- **Social Sciences Research**  
⌚ 7:35pm - 8:05pm, Feb 26
- **Life Sciences**  
⌚ 7:35pm - 8:05pm, Feb 26
- **Environment, Sustainability, and Climate Research**  
⌚ 7:35pm - 8:05pm, Feb 26
- **Education/International Research**  
⌚ 7:35pm - 8:05pm, Feb 26
- **Transfer Student Researchers**  
⌚ 7:35pm - 8:05pm, Feb 26
- **BIPOC Student Researchers**  
⌚ 7:35pm - 8:05pm, 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  $\mu$ -Opioid Activity of Mitragynine in**

## Rats

🕒 9:00am - 10:00am, Feb 27

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

🕒 9:00am - 10:00am, Feb 27

- **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
- Stetson University Band Program 1955-1974: Repertoire, Performances, and Personnel Under Richard Feasel.  
🕒 9:00am - 10:00am, Feb 27
- The use of Staphylococcus aureus and MRSA as an Indicator of Human Pollution in Tampa Bay **UT Students: Brendan Smith, Brittany Small and Ella Hampson**  
🕒 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 **UT students: Brianna Rubenstein, Alexandra Ortiz, Olivia Keller and Sarah Manno**

- A Case Study in BTS Documentary Filmmaking **UT Student: Noah McNair**  
⌚ 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. **UT Student: Margaret Baker**  
⌚ 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 **UT Student: Christian Gibbs**
- Redlining in Philadelphia Pennsylvania shown through Grocery Store Location  
⌚ 9:00am - 10:00am, Feb 27 **UT Student: Autumn Hart**
- Stellar Members of Theia 456 **UT Student: Trevor Kattenberg**  
⌚ 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

🕒 10:15am - 11:00am, Feb 27

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#### 11 Subsessions

- Virtual FURLS 2021 – Undergraduate Research Leaders Working Together to Improve to Undergraduate Research Experience: Implications of a Virtual Experience for Expansion  
🕒 10:15am - 11:00am, Feb 27
- What Do I Need to Know about Patent Searching?  
🕒 10:15am - 11:00am, Feb 27
- Avoiding the Dark Side: Cases in Research Ethics  
🕒 10:15am - 11:00am, Feb 27
- Highlighting research experience in your graduate school application materials.  
🕒 10:15am - 11:00am, Feb 27
- Get Ready for the GRE  
🕒 10:15am - 11:00am, Feb 27
- How to Create a Successful Relationship with Your Faculty Research Mentor  
🕒 10:15am - 11:00am, Feb 27
- Summer Off-Campus Research Opportunities  
🕒 10:15am - 11:00am, Feb 27
- Creating Your Story  
🕒 10:15am - 11:00am, Feb 27
- Connecting in Undergraduate Research During a Pandemic  
🕒 10:15am - 11:00am, Feb 27
- Demystifying the Research Writing Process: How to Transform Your Poster into a Well-Written Research Paper  
🕒 10:15am - 11:00am, Feb 27
- FSU College of Medicine PreHealth Advising  
🕒 10:15am - 11:00am, Feb 27

#### 11:15am

##### Final Poster Session

🕒 11:15am - 12:15pm, Feb 27

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#### 97 Subsessions

- Parents of Millennials: Understanding Attitudes Across Generations  
🕒 11:15am - 12:15pm, Feb 27
- Effects of Human Disturbance on Biomass and Biodiversity in the Indian River Lagoon  
🕒 11:15am - 12:15pm, Feb 27
- Additive Manufacturing of Morphing Structures  
🕒 11:15am - 12:15pm, Feb 27
- Project HOME (Hydroponic Operations for Mars Exploration)  
🕒 11:15am - 12:15pm, Feb 27
- Low-cost Sensors on Unmanned Aerial Vehicles: an Advancement in Air Quality Measurement  
🕒 11:15am - 12:15pm, Feb 27

- 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  
🕒 11:15am - 12:15pm, Feb 27
- 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 isoindolinyl moiety variations exhibiting anti-cancer properties  
🕒 11:15am - 12:15pm, Feb 27
- An Analysis of the Hypoxic Zone formation in the Gulf of Mexico



⌚ 11:15am - 12:15pm, Feb 27

● **Graphical Splittings of Artin Kernels**

⌚ 11:15am - 12:15pm, Feb 27

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

⌚ 11:15am - 12:15pm, Feb 27

● **First-Generation College Student Satisfaction with Academic Advising Methods**

⌚ 11:15am - 12:15pm, Feb 27

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

⌚ 11:15am - 12:15pm, Feb 27

● **Documenting the rise and fall of coral reef cyanobacterial mats**

⌚ 11:15am - 12:15pm, Feb 27

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

⌚ 11:15am - 12:15pm, Feb 27

● **Psychosocial characteristics associated with nonadherence in pediatric organ transplant patients**

⌚ 11:15am - 12:15pm, Feb 27

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

⌚ 11:15am - 12:15pm, Feb 27

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

⌚ 11:15am - 12:15pm, Feb 27

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

⌚ 11:15am - 12:15pm, Feb 27

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

⌚ 11:15am - 12:15pm, Feb 27

● **Sustainable Production Practices on Small-Budget Films**

⌚ 11:15am - 12:15pm, Feb 27

● **Examining Relations between Autism, Social Competence, and Social Anxiety**

⌚ 11:15am - 12:15pm, Feb 27

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

⌚ 11:15am - 12:15pm, Feb 27

● **Reconquista: Religious Intolerance of a United Spain**

⌚ 11:15am - 12:15pm, Feb 27

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

⌚ 11:15am - 12:15pm, Feb 27

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

⌚ 11:15am - 12:15pm, Feb 27

● **How do Modifiable Health Behaviors Affect Overall Health and Influence Neural Markers in Older Adults?**

🕒 11:15am - 12:15pm, Feb 27

- **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**  
🕒 11:15am - 12:15pm, Feb 27
- **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

● **Safe Sex Practices Among Racial and Ethnic Minority High School Students: 2019 U.S. YRBS**

🕒 11:15am - 12:15pm, Feb 27

● **Food choices in the Solar Powered Sea Slug Elysia crispata**

🕒 11:15am - 12:15pm, Feb 27 **UT students: Chris Baker and Elizabeth Sylvia**

- Biochemical analysis of the MAPK pathway during fertilization and blastogenesis using sea urchin *Lytechinus* species **UT Students: Danielle Vezensky and Matthew Olszewski**  
🕒 11:15am - 12:15pm, Feb 27
- Searching for Stellar Associations in Gaia DR2 **UT Student: Brolan Jennings**  
🕒 11:15am - 12:15pm, Feb 27
- The Long Term Physical and Psychological Consequences of Sex Trafficking on Women in Florida **UT Students: Corinne Fanta and Katherine Justus**  
🕒 11:15am - 12:15pm, Feb 27
- Busyness & Cognition in Undergraduate Students: End-of-Semester versus Beginning-of-Semester Cognitive Performance **UT Students: Danusia Mryczko and Tina Brown**  
🕒 11:15am - 12:15pm, Feb 27
- Survey of Extraction Methods for the Isolation of Eugenol  
🕒 11:15am - 12:15pm, Feb 27
- Embodied Injustices: COVID-19, Race, and Epigenetics  
🕒 11:15am - 12:15pm, Feb 27
- A Systematic Review of the Relationship between Alcohol Consumption and Anxiety Among College Students  
🕒 11:15am - 12:15pm, Feb 27
- Eco-Efficiency and its Implications on Macro Resource Use: An Empirical Study on Energy Consumption Patterns in Western Europe and USA 1984-2015  
🕒 11:15am - 12:15pm, Feb 27
- Exposure to Environmentally-Themed YouTube Videos and Self-Reported Mood Among College Students  
🕒 11:15am - 12:15pm, Feb 27
- The Singing Tower of Florida: Materializing the Progressive Era at Bok Tower Gardens  
🕒 11:15am - 12:15pm, Feb 27
- Assessing autonomic innervation of human pancreatic islet cells  
🕒 11:15am - 12:15pm, Feb 27
- A comparative study on Collaborative filtering and Group Preference Recommendation System in cold-start users  
🕒 11:15am - 12:15pm, Feb 27
- Characteristics of a Reacting Jet-in-Crossflow at Elevated Pressures  
🕒 11:15am - 12:15pm, Feb 27
- Reforming In-School Suspension: Best Practices in Improving Student's Behavior  
🕒 11:15am - 12:15pm, Feb 27
- Effects of Various Treatments on the Biofuel Production of the Marine Diatom *Navicula*  
🕒 11:15am - 12:15pm, Feb 27
- Public Purpose versus Patents: How Eminent Domain is impacting Intellectual Property Rights  
🕒 11:15am - 12:15pm, Feb 27

12:30pm

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

🕒 12:30pm - 1:30pm, Feb 27

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 devastated crops 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 beliefs 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.

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#### 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](https://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](https://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".