2020 VIRTUAL 
UNDERGRADUATE RESEARCH SYMPOSIUM

Various Zoom sessions from April 6th at 3:35 pm to April 9th at 7:45 pm
Visit the week-long event at bit.ly/URSVIRTUAL.

You are invited to join us throughout the week of April 6 as current undergraduate researchers present their posters virtually for the 2020 Undergraduate Research Symposium! Through the Facebook event page, we will share the time for each presentation session, Zoom event link, and the general area/topic of the presentations so you can watch and support your friends and peers.

Many of our presenters participate in the Undergraduate Research Opportunity Program (UROP), Garnet and Gold Scholar Society, Honors in the Major, and students wanting presentation experience. We will be sharing the Nourishing Creativity performative projects as videos shared in each session.

Program of poster sharing events for Monday, April 6th

Monday, April 6th sessions
- 3:30 - 4:35 pm, 1 poster sharing event
- 5:15 - 6:15 pm, 3 poster sharing events
- 6:45 - 7:45 pm, 4 poster sharing events

Tuesday, April 7th sessions
- 3:30 - 4:35 pm, 1 poster sharing event
- 5:15 - 6:15 pm, 4 poster sharing events
- 6:45 - 7:45 pm, 3 poster sharing events

Wednesday, April 8th sessions
- 4:00 - 5:00 pm, 1 poster sharing event
- 5:15 - 6:15 pm, 3 poster sharing events
- 6:45 - 7:45 pm, 2 poster sharing events

Thursday, April 9th sessions
- 10:30 - 11:45 am, 1 poster sharing event
- 12:00 - 1:15 pm, Nourishing Creativity presentations
- 1:30 - 2:45 pm, 1 poster sharing event
- 3:00 - 4:15 pm, 1 poster sharing event
- 3:35 - 4:25 pm, 1 poster sharing event
- 5:15 - 6:15 pm, 4 poster sharing events
- 6:45 - 7:45 pm, 2 poster sharing events

Various Zoom sessions from April 6th at 3:35 pm to April 9th at 7:45 pm
Visit the week-long event at bit.ly/URSVIRTUAL.
**Monday, April 6th**

Sharing Event 1, 3:35 - 4:35 pm  
Leaders Morgan Gibson & Payton Howarth, Psychology & Criminology

https://fsu.zoom.us/j/163484814  
bit.ly/ursabstract20

**Risk of cognitive decline in caregivers of dementia: A PRISMA Systematic Review**  
Ana Villa  
Research Mentor: Dr. Martina Luchetti

**Dendrochronological Analysis of Longleaf Pines in Florida**  
Andrew Clement  
Research Mentor: Ms. Nicole Zampieri

**Deadly Mass Shootings 1976-2018: Trends, Features, and Media Reporting**  
Angie Cole, Antonia La Tosa, and Skylar Slawiak  
Research Mentor: Dr. Jillian Turanovic

**Training Volunteers to Foster Language and Literacy Skills in Early Head Start Facilities**  
Genevieve Shivers & Lillian Stevens  
Research Mentor: Ms. Leesa Marante

**The Exploration of Consciousness and Strange Loops Through the Lens of Dance**  
Jakob Tweedel  
Research Mentor: Ms. Holly Stone

**Identity, Race, and Gender in Video Games**  
Jermanni Evans  
Research Mentor: Mr. Bertan Buyukozturk
The Development and Evaluation of an Online Intervention for Hostility in Individuals at Risk for Alcohol Use Disorder
Kate Kulyk
Research Mentor: Ms. Brittany Mathes

Musical Tones and Learning Chinese
Minh-Trang Nguyen
Research Mentor: Dr. Zhiying Qian

Symbols of White Supremacy: The Relationship between Monuments to the Confederacy and Hate Crimes
Sarai Palacio
Research Mentor: Dr. Brendan Lantz
Monday, April 6th
Sharing Event 2, 5:15 - 6:15 pm
Leaders Aquesha Addison & Valerie Ely, Biology

https://fsu.zoom.us/j/576789290
bit.ly/ursababstract20

**Health Benefits of Dried Plum Consumption**
Abigail Serda
Research Mentor: Ms. Elizabeth Foley

**Measuring Microplastics: an Effort Toward Standardizing Analyses and Reporting.**
Adrian Luksza
Research Mentor: Dr. Matthew Ware

**Investigating Math Interpretation Bias and it's Relation with Math Anxiety**
Amy Casanova
Research Mentor: Dr. Colleen Ganley

**The FSU Children’s Learning Clinic: a comprehensive scientist-practitioner research clinic combining evidence-based clinical services with novel ADHD research strategies**
Ana Michelena
Research Mentor: Dr. Michael Kofler

**Territoriality and Foraging of Parrotfishes on Coral Reefs in Bonaire, Netherlands**
Braeden Koechle & Jessica Henson
Research Mentor: Mr. Josh Manning
Role of Hydrogen Sulfide in Diet-Induced Erectile Dysfunction
Gabriela Martinez
Research Mentor: Dr. Justin LaFavor

Barriers and Facilitators to Faculty Grantsmanship: A Systematic Literature Review
Isabella Garcia
Research Mentor: Dr. Rachel Goff-Albritton

The Interpersonal Core of Conscientiousness: Mechanisms And Partner Effects That Promote Healthier Cognitive Aging And Reduce Risk of Alzheimer’s
Jane McGinnis
Research Mentor: Hannah Lovett

Measuring the Success of the ACE Tutoring Center
Juliana Muller
Research Mentor: Dr. Courtney Barry

Project MED
Juliette Sosa
Research Mentor: Dr. Scott Pickett

Science Identity: Thinking With Stories of Two Middle School Girls
Kelly Simard
Research Mentor: Ms. Ivanna Pengelley

Academic Development for Black Males in Higher Education
Madelyon Juliet Pezzi
Research Mentor: Mr. Jesse Ford

When Assembly Goes Wrong
Matthew Allan Utset
Research Mentor: Dr. Antonia Nemec
Meta-analysis of Research Methods in the Calcification of Coralline Algae
Maxwell Gray
Research Mentor: Dr. Sophie McCoy

Inclusion Body Formation of Mutated Huntigntin in De-ubiquinase Mutant Yeast Cells
Miguel Brinon
Research Mentor: Dr. Yanchang Wang

The Impact of Colleges and Universities on Local Economic Development
Noah L Nellis
Research Mentor: Dr. Shawn Kantor

Evaluation of Antiviral Compounds Against Zika Virus Infection
Santiago Portilla
Research Mentor: Ms. Angelica Medina
Monday, April 6th
Sharing Event 3, 5:15 - 6:15 pm
Leaders Grace Castillo & Kiersten Goetz, Family and Child Sciences

https://fsu.zoom.us/s/367141004
bit.ly/ursabstract20

Deferred Prosecution Program Guide
Antonella Maneiro
Research Mentor: Ms. Antoinette Grier

A Comprehensive Overview of Deadly Mass Shootings in America, 1976-2018
Breeana Laquea
Research Mentor: Dr. Jillian Turanvic

Parents, Parenting, and Social Media: A Systematic Review of the Research Literature
Charleine Etienne
Research Mentor: Dr. Vanessa Dennen

The impact of teacher language use on student language development
Georgi Taylor
Research Mentor: Dr. Carla Wood

It’s Playtime! The Experiences of Children with and without Disabilities on Community Playground
Korrin Sheahan
Research Mentor: Dr. Michelle Therrien
Technology Based Mathematical Problem Solving Instruction
Sharry Anne Solis
Research Mentor: Dr. Sarah Cox

Retail Store Interiors in Latin American Countries From The 1990s
Veronica Polanco
Research Mentor: Prof. Christie Hand
Monday, April 6th
Sharing Event 4, 5:15 - 6:15 pm
Jordan Rundle & Jason Raiti, Hard Sciences

https://fsu.zoom.us/j/268444246
bit.ly/ursababstract20

Development of a Deployable and Retractable Terrain Sensor Probe for Robot Navigation
Aaron Kamata
Research Mentor: Dr. Camilo Ordonez

Game Based Learning: A Look Into the Future of Education
Aishwareeya Rath
Research Mentor: Ms. Ginny Smith

Do estimates of prey body size impact diet analyses based primarily on count data?
Claudia Jacobo
Research Mentor: Dr. Timothy Colston

Modern Applications of the SIR Model
Jordan Artzy
Research Mentor: Dr. Francesca Bernardi

Growth Rate and Age of Gafftopsail Catfish (Bagre marinus) and Hardhead Catfish (Ariopsis feli)
Nora Jolowsky
Research Mentor: Mr. Barry Walton

Predicting the Gross Primary Productivity of a Tropical Forest Canopy through the Application of Machine Learning on Thermal Images
Peter Karras
Research Mentor: Dr. Trina Merrick
Measuring Groundwater to Surface Water Exchange in Lab Setting
Sofia Torino
Research Mentor: Dr. Francesca Bernardi

Experimental Verification of a Hybrid Cryogen Superconducting Power Cable
Tonya-Kaye Waite
Research Mentor: Dr. Peter Cheetham

Life at Low Reynolds: Models Incorporating Helical Flagella
Zachary Bauer
Research Mentor: Dr. Owen Lewis
Monday, April 6th
Sharing Event 6, 6:45 - 7:45 pm
Leaders Spencer Dechert & Marjorie Fitzsimmons, IMS

https://fsu.zoom.us/j/665296534
bit.ly/ursabstract20

**Losing Grip: Understanding How Individual Substance-Gripping Loops Within the Proteasome Alter Cellular Proteolysis**
Allison Trenkle
Research Mentor: Ms. Jennifer Warnock

**Disproportionate Representation: Speech & Language Impairment Rates in Florida Schools**
Ashley Andrade
Research Mentor: Dr. Shannon Hall-Mills

**Hurricane Michael Sleep Trauma and Regulation**
Ashley Garcell & Jonathan Mesa
Research Mentor: Dr. Scott Pickett

**Pregnant Women Information-Seeking Behavior: Systematic Review**
Brittney Chang
Research Mentor: Dr. Zhe He

**Intervention Development to address HIV and Syphilis Co-infection; A systematic review of the literature**
Brooke Mallett
Research Mentor: Dr. Nicole Ennis

**Prioritizing Plant Conservation Needs in the Longleaf Pine Ecosystem**
Caroline Li Oteri
Research Mentor: Ms. Natali Ramirez-Bullon
Accessing Engineering Standards: A Study in ARL Best Practices for Acquiring and Disseminating Standards
Jake Flaks
Research Mentor: Ms. Denise Wetzel

Examining the Factors that Affect Structural Repetition in Question Answering
Kaitlyn Watkins
Research Mentor: Dr. Michael Kaschak

Healthy Moms Mean Healthy Babies: The Role of Maternal Body Mass Index on Infant Feeding Practices
Katherynn Aleena Pledger
Research Mentor: Dr. Jessica Bahorski

Real Cost of Styrofoam Lizette Maldonado Research Mentor: Dr. Anthony Bouscaren Polyelectrolyte Complexes
Michael Truman Sharp
Research Mentor: Dr. Joseph Schlenoff

The Role of Motor Protein CIN8 in Chromosome Segregation
Morgan Ling
Research Mentor: Dr. Yanchang Wang

Effect of Bike Lane on Recreational Activity
Nicholle Courrejolles
Research Mentor: Dr. Richard Feiock

Gender, Quality-of-Life, and Optimism in Acute Stress among Patients Awaiting Open-heart Surgery
Noor Esoo
Research Mentor: Dr. Amy Ai
STM Imaging of Organic Networks
Sylvia Claudia Canko
Research Mentor: Prof. Lea Nienhaus

Childhood Lead Poisoning in the US: A Focus on State Specific Policy Formation
Trisha Patel
Research Mentor: Prof. Katrinell Davis
Monday, April 6th
Sharing Event 8, 6:45 - 7:45 pm
Leaders Anna Hale & Caleb Stephens, Business

The Impact of Colleges and Universities on Local Economic Development
Aditi Mondal, Rebecca Yap, & Joel Charles Weeks
Research Mentor: Dr. Shawn Kantor

Analysis of Variation in Auto Insurance Rate Filings
Amelia Atallah, Riley Dyer, & Montgomery Phillips
Research Mentor: Dr. Patricia

Born Researching Applications of NKA Frameworks in Social Media Environments
AnneMarie Russell
Research Mentor: Dr. Vanessa Dennen

Exploring Inspirational Movies and TV Shows
Bernadette Molano
Research Mentor: Dr. Katherine Dale

The Effectiveness of Programs Designed to Reduce Distracted Driving
Chloe Covington
Research Mentor: Dr. Charles Nyce

Landscape Archaeology of Southwest Sardinia: Digitization of Project Archive
Dennis Dabney
Research Mentor: Dr. Elizabeth Murphy
Student-Housing as a Tool For Gentrification into the French-town Community
Ezequiel Asis
Research Mentor: Prof. Tyler McCreary

What Were They Thinking?
Gabriela Gongora & Brianna Joseph
Research Mentor: Mr. Nick Byrd

Relating Remotely Sensed Destruction Exposure to Maternal Health after Hurricane
Michael Heilyn Velasquez
Research Mentor: Dr. Christopher Uejio

Exploring Female Characters in Bollywood Film
Jacqueline Ann Kowalewski
Research Mentor: Ms. Rebecca Peters

Executive Turnover in Local Government
Justin Frankel
Research Mentor: Mr. Chien-shih Huang

Analysis of Course-Based Tutor Usage at a University Peer Tutoring Center
Macey Mullins
Research Mentor: Dr. Samantha Nix

Perceptions of Police Bias
Marisa Martin
Research Mentor: Dr. Mackenzie Alston

Resilience and Volunteerism after Hurricane Michael
Shaneze Douglas
Research Mentor: Prof. David Berlan
Monday, April 6th
Sharing Event 7, 6:45 - 7:45 pm
Leaders Elizabeth Campos & Casey Copeland, Creative Arts and Humanities

https://fsu.zoom.us/j/825542818
bit.ly/ursababstract20

Better Dead Than Red: A Twentieth Century Crusade for Christ and Against Communism
Alana Felton
Research Mentor: Dr. Daniel Wells

Student Thesis Films
David Black
Research Mentor: Ms. Millicent Johnnie

Teleological Essentialism and Boundary Intensification
Emma Moses
Research Mentor: Dr. David Rose

Exploring Inspirational Movies and TV Shows
James Barberis
Research Mentor: Dr. Katherine Dale

Donation Center/Sound Art Studio James Clay Research Mentor: Prof. Daniel Luedtke
A vision of civically engaged art education: Teens as arts based researchers
Ketia Alphonse
Research Mentor: Dr. Sara Shields

The Genetics of Female Resistance to Male Harm in Drosophila Melanogaster
Maia Ruiz
Research Mentor: Dr. Sarah Kettelkamp
The Human Dimension of World War II: Working with Original Documents and Artifacts
Mallory Malman
Research Mentor: Dr. Kurt Piehler

Educating Digital Citizens: A Review of Curricula
Meghan Gilmore
Research Mentor: Dr. Vanessa Dennen

It’s Playtime! The Experiences of Children with and without Disabilities on Community Playground
Melanie Millo
Research Mentor: Dr. Michelle Therrien

Postcards and the Everglades: An Examination of Mid-20th Century Environmentalism
Mia Jackson
Research Mentor: Dr. Michael Neal

Digital Narratives: Capturing the Graduate Student Experience
Miquelle De La Ossa
Research Mentor: Dr. Adrienne Stephenson

The Research Study of Gender Based Writing Styles
Schimelda Louissaint & Karelis Albornoz
Research Mentor: Dr. Carla Wood
Monday, April 6th
Sharing Event 5, 6:45 - 7:45 pm
Leaders Emma Chapman & Alexander Adams, Social Science, Languages

https://fsu.zoom.us/s/544647658
bit.ly/ursabstract20

**Direct Democracy and Social Policy Outcomes: Marijuana Legalization in the States**
Brooke Cohen
Research Mentor: Ms. Kelley Doll

**The Unspoken: An Immersive Dance Theatre Experience**
Carson Flowers & Victoria Cabral
Research Mentor: Dr. Daniel Smith

**Queer Peoples’ Views on Allyship Across Genders**
Chloe Ilcus
Research Mentor: Mr. TehQuin

**Forbes Appraising City-wide Goals and Strategies for Greenhouse Gas Emission Reduction**
Elizabeth Pruitt
Research Mentor: Ms. Morgan Higman

**Mlimani Park Orchestra**
Evelyn Hove
Research Mentor: Dr. Frank Gunderson

**A Marriage Between Church and State: The Electoral Influence of the Russian Orthodox Church**
Julian Cisneros
Research Mentor: Ms. Anastasiia
Vlasenko Black Women's Intimate Relationships and Dating Apps
Kana Lilly
Research Mentor: Ms. Taylor Jackson

Leadership Learning Project
Luciano Bettocchi
Research Mentor: Dr. Kathy Guthrie

Donation Patterns in the Local Community for Criminal Justice Reform
Maria Acosta
Research Mentor: Ms. Antoinette Grier

The Language of "Fetal Programming" in a Social Dimension
Naomi Cote
Research Mentor: Dr. Miranda Waggoner

The Rosenstrasse Protest
Sheighlin Hagerty
Research Mentor: Dr. Nathan Stoltzfus

Campus Climate Change Survey
Teagan Danilowicz
Research Mentor: Dr. Jayur Mehta