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
Monday, April 6th
3:35 - 4:35 pm
Leaders Morgan Gibson & Payton Howarth, Psychology & Criminology

https://fsu.zoom.us/j/163484814
bit.ly/ursababstract20

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
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 Huntingtin 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
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
5:15 - 6:15 pm
Jordan Rundle & Jason Raiti, Hard Sciences

https://fsu.zoom.us/j/268444246
bit.ly/ursabstrict20

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
6:45 - 7:45 pm
Leaders Spencer Dechert & Marjorie Fitzsimmons, IMS

https://fsu.zoom.us/j/665296534
bit.ly/ursababstract20

**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
6:45 - 7:45 pm
Leaders Anna Hale & Caleb Stephens, Business

https://fsu.zoom.us/j/407378127
bit.ly/ursabstract20

**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
6:45 - 7:45 pm
Leaders Elizabeth Campos & Casey Copeland, Creative Arts and Humanities

https://fsu.zoom.us/j/825542818
bit.ly/ursabstandard20

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
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
Tuesday, April 7th
3:35 - 4:35 pm
Leaders Hana Grubb & Maria Quintana, Biochemistry

https://fsu.zoom.us/j/970584076
bit.ly/ursabstract20

Academic Development for Black Males in Higher Education
Braidan O’Connor
Research Mentor: Mr. Jesse Ford

Pollination Success and Associational Effects in S. Carolinese
Catherine Lehman
Research Mentor: Dr. Jacob Heiling

Promiscuity in a Marine Snail
Charles Gannon
Research Mentor: Ms. Alexandra Hooks

High-pressure Raman spectroscopic study of 3.65 Å hydrous phase
Christelle Fiorina Bucag
Research Mentor: Dr. Abhisek Basu

The Progress of Writing Composition Over a Year in ESL students Compared To Native English Speakers
Gabriella Oliveira
Research Mentor: Dr. Carla Wood

Gender in Conlanging
Joseph Vincent Hatton Lefler
Research Mentor: Dr. Carolina Gonzalez

The Effect of Compression Socks on Exercise Performance: A Literature Review
Kerstin Castro
Research Mentor: Dr. Dohoun Kim
Utilizing Virtual Reality to Better Understand the Causes of Suicide
Neketa Nesmith & Juliette Ruiz
Research Mentor: Ms. Irene Huang

Bigger Isn't Always Better. The Effect of Colony Size on the Probability of Coral Mortality Following Bleaching
Nyla Johnson
Research Mentor: Dr. Scott Burgess

Understanding Tuberculosis's Membrane Protein
Paul Carpentier
Research Mentor: Dr. Huanjun Qin

Reconstituting Dengue Virus NS2B3 Protease-mcGAS Interaction in Vitro
Ramsey Fadlalla
Research Mentor: Ms. Madhurima Bhattacharya

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

Identification of Sexually Dimorphic Genes in Drosophila Melanogaster
Tracy Pham
Research Mentor: Mr. Kevin Doheny

C84Y Mutation in Cardiac Troponin C Influence on Cardiomyocyte Nuclear Structure
Tyler Reinoso
Research Mentor: Dr. P. Bryant Chase
Tuesday, April 7th
5:15 - 6:15 pm
Leaders Sarah Sullivan & Morgan Morrow & Emma Masters, Environment & Ecology

https://fsu.zoom.us/j/419115199
bit.ly/ursababstract20

**Climate Change Readiness in Lagos, Nigeria: Current Impacts and Prospects**
Abril Hunter
Research Mentor: Dr. Yana Bebieva

**Effects of the "Leave No Trace" Ordinance on Sea Turtle Nesting Patterns in Northern Florida**
Alex Rebimbas
Research Mentor: Dr. Matthew Ware

**Dendrochronological Analysis of Longleaf Pines in Florida**
Arianna Wittic
Research Mentor: Ms. Nicole Zampieri

**Cataloging biopsy and blood samples of marine turtles from different areas in Florida**
Ashley Jackson
Research Mentor: Dr. Mariana Fuentes

**The Effect of Hydraulic Fracturing on Oklahoma**
Hanna Franz
Research Mentor: Mr. Robert Powers

**Mind(fulness) over Matter**
Jonathan Black
Research Mentor: Ms. Diana Carbonell
Hurricane Evacuation History
Jordan Daly & Melissa Geiger
Research Mentor: Dr. Tinting Zhao

The Least Invasive Methods for Blood Collection on Florida Native Sea Turtle Species
Maya Tiseth
Research Mentor: Dr. Mariana Fuentes

The Effects of Climate Change on Karenia brevis
Nolan Hartz
Research Mentor: Ms. Tristyn Bercel

Metal Silicides in Aluminum Flux
Susan Morales
Research Mentor: Dr. Susan Latturner

Hermit Crabs Personality, Size, and Habitat
Yousi Español Rincón
Research Mentor: Dr. Emily DuVal

Acoustic Telemetry and Sex-specific movements of Ariopsis felis
Zoe Moore
Research Mentor: Mr. Barry Walton
Tuesday, April 7th
5:15 - 6:15 pm
Leaders Grace Nystrom & Caroline Deyoe, Food and Nutrition Science/Dietetics

https://fsu.zoom.us/j/998994493
bit.ly/ursabstract20

**Differential Vulnerability to Tornado Impacts in Communities of the Rural U.S. South**
Allison Keeling
Research Mentor: Dr. Tisha Holmes

**Ending the Youth HIV Epidemic**
Alyson Urbaniak
Research Mentor: Dr. Meardith Pooler-Burgess

**Student Disability Registration and Migration Data at Institutions with Autism Specific Programs**
Carly Fulcher
Research Mentor: Dr. Bradley Cox Project MED
Madison Hedge
Research Mentor: Dr. Scott Pickett

**SMILES: Statistical Modeling and Integration of Large-Scale Single-Cell RNA Sequencing Data**
Madison Layfield
Research Mentor: Dr. Julia Wang

**Epistemic Empathy within Science and Mathematics Classrooms**
Mary Dixon Wigginton
Research Mentor: Dr. Lama Jaber
Optimization of Glycoprotein Staining and Stain-free Gel Preparation
Megan Appelbaum
Research Mentor: Dr. Qinchun Rao

3D Photogrammetry for Coral Reef Reconstruction
Monet Cisneros
Research Mentor: Ms. Abigail Engleman

Unmaking Plastics: Recyclable Rubbers through Depolymerization
Olivia Binner
Research Mentor: Dr. Justin Kennemur

A Nutrition Related Serious Game for Children in Immigrant Families
Ravza Cayir
Research Mentor: Dr. Jessica Wendorf Muhamad

Analyzing Blood Clam Images using ImageJ and Fast Fourier transform
Rosangel Salazar
Research Mentor: Dr. P. Bryant Chase

Food Availability and Size-Specific Annual Growth Rates in Sea Urchins
Sofia Perez
Research Mentor: Dr. Daniel Okamoto

Evaluating Taste- Evoked Activity in the Gustatory Cortex
Sonal Hirani
Research Mentor: Dr. Roberto Vincis

Melatonin Protects Against Deafferentation-Induced Cell Death in Chick Cochlear Nucleus
Tiana Pham
Research Mentor: Dr. Richard Hyson
Tuesday, April 7th
5:15 - 6:15 pm
Leaders Elias Larralde & Sergio Carlos Tamez, Humanities

https://fsu.zoom.us/j/472646649
bit.ly/ursababstract20

**Perspectives of SLPs on Friendship Maintenance and Development for Clients with Aphasia**
Alexa Flores
Research Mentor: Dr. Michelle Therrien

**Social Media as a Parenting Support Tool: A Scoping review**
Amber Hedquist
Research Mentor: Dr. Vanessa Dennen

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

**Analyzing the Portrayal of Hitler and the Nazis in Media**
Cullen Bolkey
Research Mentor: Dr. Nathan Stoltzfus

**Geomapping the John House Stereograph Collection**
Emily Oxford-Pickeral
Research Mentor: Mr. Chase van Tilburg

**Archaeological Findings from the Cosa Bath House**
Jace Cookson & Angeles Urtubey
Research Mentor: Ms. Allison Smith
Homerica': A Digital Humanities Project in Python
Nathan Lesser
Research Mentor: Dr. Allen Romano

"Fortress for Freedom: The American Ground Crew Experience During the Combined Bomber Offensive"
Noah Silverstein
Research Mentor: Mr. (Major) John Prince

"Who's There?" Speaking First in Early British Drama
Roxy Rico & Samantha Paradela Research
Mentor: Dr. Michael Wagoner
Tuesday, April 7th
5:15 - 6:15 pm
Leaders Maegan Nation & Jennifer Poggio, Social Science & Psychology

https://fsu.zoom.us/j/865286818
bit.ly/ursabstract20

**Application of Machine Learning Models on MRI Data in Assessment of Peripheral Arterial Disease**
Antoinette Gladney
Research Mentor: Ms. Anahid Ehtemami

**Career Adaptability, Dysfunctional Career Thoughts, and Athletic Identity among college student Athletes**
Avery Knipfing
Research Mentor: Mr. Ryan Sides

**College Affinity Groups and the Effects on Mental Health**
Bernadyne Thelemaque
Research Mentor: Dr. Karen Oehme, J.D.

**The Role that Reward Value of Food Has on Size and Frequency of Binge-eating Episodes in Women**
Elizabeth Holton
Research Mentor: Dr. Pamela Keel

**Gentrification in Atlanta's LGBTQ Community**
Joandy Vega
Research Mentor: Ms. Rachael Cofield

**Analyzing the Relation Between Visual Food Cues and Decision Making**
Joseph Arnold
Research Mentor: Dr. Rachel Bailey
The Interpersonal Core of Conscientiousness: Mechanisms And Partner Effects That Promote Healthier Cognitive Aging And Reduce Risk of Alzheimer's
Judson Arthoro
Research Mentor: Hannah Lovett

Developing an Understanding of how Couples Interact in the Context of Problem Solving
Kara Brizendine
Research Mentor: Dr. Andrea Meltzer

Effects of Nature Exposure on Perceptual-Cognitive-Motor Performance
Karla Rivaflecha
Research Mentor: Ms. Stinne Soendergaard

Direct Democracy and Social Policy Outcomes: Marijuana Legalization in the States
Kendall Roy Research Mentor: Ms. Kelley Doll

City Council Turnover and Recycling Rate and How They Are Influenced by Sustainability
Lillian Savage
Research Mentor: Dr. Richard Feiolk

Disproportionate Representation: Speech & Language Impairment Rates in Florida Schools
Lindsey Wood
Research Mentor: Dr. Shannon Hall-Mills

Leadership Learning Project
Megan Black & Milagros Jerez Research Mentor: Dr. Kathy Guthrie
Tuesday, April 7th
6:45 - 7:45 pm
Leaders Kelly Kaps & Adrian Othon & Anastasia Stichter, Exercise Psychology

https://fsu.zoom.us/j/197173659
bit.ly/ursabstract20

The Role of NADPH Oxidase in Endothelial Function
Amber Dudek
Research Mentor: Dr. DoHoun Kim

Effect of Word Instruction on English-Learner Students
Andrea Aguirre-Becerra
Research Mentor: Ms. Kristina Bustamante

A Systematic Review of the Literature on Social Stigma and Violence Against Transgender Sex Workers in Low- and Middle-Income Countries
Andrew Brasington
Research Mentor: Dr. Seyram Butame

Supports and Constraints in Classroom Engagement: An Examination of the Discursive Moves of Two Girls' Sensemaking Endeavors in Science
A'Rawni McPhee
Research Mentor: Dr. Jennifer Schellinger

Associations Between Social Determinants of Health, Perceived Discrimination, and Body Mass Index on Symptoms of Depression among Young African American Mothers
Brenda Leon
Research Mentor: Ms. Rachel Harris
Do Character Strengths Predict Long-term Survival in Patients after Open Heart Surgery?
Caitlin Blanchard
Research Mentor: Dr. Amy Ai

Measure Up: Size and Bleaching Severity in Pocillopora Corals?
Chani Kotscher
Research Mentor: Dr. Scott Burgess

Research Methods of the Gustatory System
David Ackart
Research Mentor: Dr. Alan Spector

Ergonomic Test Protocol
Isabel Maya
Research Mentor: Dr. Meredith McQuerry

Null Results: What Are We Missing and Where Do We Find Them?”
Jacob Yap
Research Mentor: Dr. Nicholas Ruhs

Health Benefits of Dried Plum Consumption
Joseph Brunner
Research Mentor: Ms. Elizabeth Foley

Effects of Bmal Gene on Circadian Rhythms Jun Ho Research Mentor: Dr. Choogon Lee Synthesis of Metal Silicides
Kyle Findlay
Research Mentor: Dr. Susan Latturner

Spatial Relationships of French Monasteries in the 12th Century Through Chapters
Lauren Becker
Research Mentor: Dr. Kyle Killian Depression
Religious Coping, and Perfusion time Predicted Postoperative Functioning in Older Patients Undergoing Open-heart Surgery
Morgan Neal
Research Mentor: Dr. Amy Ai

Niang Dim
Research Mentor: Prof. Hye Ryung Won

Implicit Suicidal Cognitions: A New Approach to the Death Implicit Association Test
Sarah Ferguson
Research Mentor: Mr. Austin Gallyer

Pilot Study: The Effect of Acute 5-Day Creatine Supplementation on Macrovascular Endothelial Function in Older Adults
Thomas Dool
Research Mentor: Dr. Dohoun Kim

Teleological Essentialism and Boundary Intensification
Vanessa Welch
Research Mentor: Dr. David Rose
Tuesday, April 7th
6:45 - 7:45 pm
Leaders Kemp Gonzalez-Xu & Justin Stow, Hard Sciences

https://fsu.zoom.us/j/407378127
bit.ly/ursababstract20

**A Realistic Chandrasekhar Mass White Dwarf Model from a Binary Evolution**
Abelardo Riojas
Research Mentor: Dr. Tomasz Plewa

**The Blockchain Network Caswell King Research Mentor: Dr. Michael Meth Bipedal Robot Slippage Prediction and Friction Test**
Chase Toepp
Research Mentor: Dr. Christian Hubicki

**Peeking into the icy-giant planets: A high pressure-temperature study of hydrocarbons**
Christina Schiffert
Research Mentor: Dr. Abhisek Basu

**How Torque and Minimum Control Effort affect Sit-to-Stand**
Dylan Ma
Research Mentor: Dr. Oscar Chuy Jr

**Right-Angled Artin Groups and their Kernels**
Enrique Barquinero
Research Mentor: Dr. Lorenzo Ruffoni

**Developing the High Granularity Calorimeter for CERN Large Hadron Collider**
Giovanni Good
Research Mentor: Dr. Ted Kolberg
Improving Sensitivity of High Frequency Electron Magnetic Resonance
Harrison Santiago
Research Mentor: Dr. Johan van Tol

Qualitative Analysis of the Rock-Paper-Scissors Mathematical Model
Jaclyn Pascual
Research Mentor: Dr. Nick Cogan

How has the location of the Bermuda High affected the path of major landfalling hurricanes in the United States across the past 30 years?
Jordan Tweedie
Research Mentor: Dr. Mark Bourassa

Predicting Canopy Level Tropical Forest GPP with Thermal Imaging Using Deep Learning
Kathryn Brill
Research Mentor: Dr. Trina Merrick

Reality Bytes
Lucas Wilson
Research Mentor: Prof. Robert Curran

Monte Carlo Particle Detector Simulation of the Reaction Proton + Photon -> Omega + Proton
Ryan Goodrich
Research Mentor: Mr. Edmundo Barriga

Study on the Reaction Photon + Proton -> eta' + Proton
Shelby Arrigo
Research Mentor: Mr. Edmundo Barriga

Reverse Engineering with Ghidra
Supriya Palli
Research Mentor: Dr. Charalambos Konstantinou
Tuesday, April 7th
6:45 - 7:45 pm
Leaders Jon Peterson & Brittany Ernst, Pre-med & Athletic Training

https://fsu.zoom.us/j/320216298
bit.ly/ursabstract20

**Review of the Development of Thermal Manikins**
Cary Wong
Research Mentor: Dr. Meredith McQuerry

**Analysis of Benthos Survivablity on Artificial Substrates in Carrie Bow Cave, Belize**
Chaitanya Vibhute
Research Mentor: Ms. Abigail Engleman

**Implicit Language Bias: How To Unconsciously Learn a Second Language**
Darice Nicolas
Research Mentor: Dr. Shaofeng Li

**The Too Soon Effects of Returning to Work Postpartum in African American Households**
Deidra Edouard
Research Mentor: Dr. Joseph Grzywacz

**Obesity and Its Relationship to Medication and Dietary Supplement Use**
Elizabeth Steidley
Research Mentor: Dr. Zhe He
Assessing Patterns of Seagrass Communities as Indicators of Carbon Storage Potential
Jakob Barzak
Research Mentor: Ms. Jennifer McHenry

Ending the Youth HIV Epidemics
Jordan Jankowski
Research Mentor: Dr. Meardith Pooler-Burgess

Kate Fitts
Research Mentor: Prof. Hye Ryung Won

Promiscuity in a Marine Snail
Madison DeWitt R
Research Mentor: Ms. Alexandra Hooks

Exercising Mind-Body: Adopting a Healthy Lifestyle to Cope with Stress
Nangelis Rivera
Research Mentor: Ms. Hilla Sharon-David

The Relationship Between Depression, Anxiety, and Cognitive Functioning: A Cross-sectional and longitudinal study
Niah Washington
Research Mentor: Dr. Julia Sheffler

Examining the Factors that Affect Structural Repetition in Question Answering
Nicole Coca
Research Mentor: Dr. Michael Kaschak
Racial Minorities at Colleges with Autism Specific Support Programs
Olivia Griffing
Research Mentor: Dr. Bradley Cox

Mindfulness over Matter
Preston Hall
Research Mentor: Ms. Diana Carbonell

Suicidal Ideation, Suicide Attempts, and Suicide Death among Veterans and Service Members: A Comprehensive Meta-Analysis of Risk Factors
Summer Fulcher & Gabriela Herrerias
Research Mentor: Ms. Katherine Musacchio Schafer

Ontogenetic Diet Shifts within Northern Abalone
Trevor Alspach
Research Mentor: Dr. Daniel Okamoto
Mortality from Alcohol Exposure Increases with Lack of Circadian Rhythm
Alexandra McKeown
Research Mentor: Lisa Lyons

The Genetics of Female Resistance to Male Harm in *Drosophila melanogaster*
Anna Abarca
Research Mentor: Sarah Kettelkamp

The Byzantine (Eastern Roman) Epic, Translated
Blaise Ramirez
Research Mentor: Robert Romanchuk

Polishing YbAl3 Crystals for Point Contact Spectroscopy
Cameron Kamps
Research Mentor: Shengzhi Zhang

Behavioral and Neurochemical Mechanisms Underlying Social Buffering in Prairie Voles
Chris May
Research Mentor: Zuoxin Wang

Gene Expression Modulation by CRISPR Activation and Interference
Dhenu Patel
Research Mentor: Jerome Irianto
Technology-Based Mathematics for Students with Autism Spectrum Disorder
Elizabeth Thaxton
Research Mentor: Nanette Hammons

Hindered Transport Across a Mucus Layer: Mathematical Modeling of Electrodiffusion through Mucus
Ella Missey
Research Mentor: Owen Lewis

Exploring the Interaction between Early Life Adversity and Support Groups on Adult Cognitive Status
Elyse Duplantier
Research Mentor: Julia Sheffler

Teleological Essentialism and Boundary Intensification
Gracie Glass
Research Mentor: David Rose

Safety Behaviors and Social Anxiety Haley Michael Research Mentor: Lauren Stentz Researching Applications of NKA Frameworks in Social Media Environments
Korinna Toth
Research Mentor: Vanessa Dennen

Documenting the Rise and Fall of Coral Reef Cyanobacterial Mats
Lena Kury
Research Mentor: Ethan Cissell

The Effects of Ocular Atropine Administration on c-Fos Activation in the Brain
Maria Guidubaldi
Research Mentor: Elizabeth Hammock
Proliferation of the Cell Cycle in Human Beta Cells
Patrick Wabnitz
Research Mentor: Julia Wang

Teacher and Child Talk During Shared Reading For Pre-Schoolers With Autism Spectrum Disorder
Sydney McIver
Research Mentor: Xiaoning (Natalie) Wang

Reconstituting Dengue Virus NS2B3 Protease-mcGAS Interaction in Vitro
Tryfon Theophilopoulos
Research Mentor: Madhurima Bhattacharya
Wednesday, April 8th
5:15 - 6:15 pm
Leaders Kaleigh Young & Hannah Primozic, Social Science & Psychology

https://fsu.zoom.us/j/677655758
bit.ly/ursababstract20

**Postoperative Functioning in Older Cardiac Patients: Impacts of Psychological and Event-severity Factor**
Alexa Pappas
Research Mentor: Amy Ai

**How Affective Are Counties in Communicating Recycling Messages to Their Citizens and Are They Effective?**
Angelina Grosso
Research Mentor: Dr. Namhoon Ki

**Documenting the Rise and Fall of Coral Reef Cyanobacterial Mats**
Caleb Confusione
Research Mentor: Ethan Cissell

**Evaluating Seminole Advisors**
Christelza Janvier
Research Mentor: Dawn Matthews

**Predicting Burnout in Newly Hired Child Welfare Workers**
Dawn Elizabeth Kay Erlich
Research Mentor: Lisa Magruder

**Learning Through Cycles of Collaborative Design**
Elisabeth Slota
Research Mentor: Jennifer Schellinger
Analyzing the Portrayal of Hitler and the Nazis in Media
Emma Beaudoin
Research Mentor: Nathan Stoltzfus

Teacher and Child Talk During Shared Reading For Pre-Schoolers With Autism Spectrum Disorder
Gabrielle Deutsch
Research Mentor: Xiaoning (Natalie) Wang

Better Dead Than Red: A Twentieth Century Crusade for Christ and Against Communism
Kira Johansen
Research Mentor: Daniel Wells

Campus Climate Change Survey Meredith
Margaret Ellis
Research Mentor: Jayur Mehta

A Comprehensive Overview of Deadly Mass Shootings in America, 1976-2018
Michaela Wilson
Research Mentor: Jillian Turanvic

Meaning In Life and Research: Learning and Utilising Meta-Analysis
Polina Udalova
Research Mentor: Sean Dougherty

The Landscape of Accelerated Learning
Savannah Barr
Research Mentor: Patrice Iatarola

Cuban Postcards During A Time Of Political Instability
Sophia Donato
Research Mentor: Michael Neal
Wednesday, April 8th
5:15 - 6:15 pm
Leaders Jessica Bissey & Shayna Cohen, Social Science & Economics

https://fsu.zoom.us/j/664259226
bit.ly/ursabstract20

Resilience and Volunteerism after Hurricane Michael
Alfredo Alvarez
Research Mentor: David Berlan

**The Psychological Toll of Prison Systems**
Amelia Maingot
Research Mentor: Tanya Renn

**A Comprehensive Overview of Deadly Mass Shootings in America, 1976-2018**
Ana Paula Siqueira
Research Mentor: Jillian Turanvic

**Spatiotemporal Relationship Between Invasive Lianas and Trails in a Tropical Forest on Barro Colorado, Panama**
Anna Lewis
Research Mentor: Trina Merrick

**How Top-tier Research Institutions Affect the Surrounding Economy**
Elijah Bishop & Elizabeth Iaconis
Research Mentor: Shawn Kantor

**Sexism on The Hill: The Inability of Congresswomen to Pass Legislation**
Maya Vazquez
Research Mentor: Michelle Whyman
Identity, Race, and Gender in Video Games
Michael Cedeno
Research Mentor: Bertan Buyukozturk

A Marriage Between Church and State: The Electoral Influence of the Russian Orthodox Church
Michael Hervey & William Ferguson
Research Mentor: Anastasiia Vlasenko

Well-being Measures Noelle Du Bois Research Mentor: Jorge Oseguera
Gamba Sustainable Healthy Cities
Sarah Suber
Research Mentor: Jonathan Lubin

Race & Place: The Black Experience at FSU
Talia Stewart
Research Mentor: Shantel Buggs
Wednesday, April 8th
5:15 - 6:15 pm
Leaders Emma Graumlich & Arria Hauldin, Social Science & Anthropology

https://fsu.zoom.us/j/687927044
bit.ly/ursababstract20

The "Americanization" of Drury Lane: Oklahoma!, My Fair Lady and Transnational Influences in British Musical Theatre
Alyssa Sharp Research
Mentor: Arianne Johnson Quinn

The Rose-Colored Glasses of Fake News
Chandler Campbell
Research Mentor: Daniel Fay

Beyond A Different World: Experiences of Black Women HBCU Alumnae Enrolled in PWI Doctoral Programs
Emiah Youman
Research Mentor: Dawn Matthews

Postcards from the Front
Ethan Dubroff
Research Mentor: Michael Neal

Travelling Yellow Peril: Race, Gender, and Empire in Japan's English Teaching Industry
Ian Banker
Research Mentor: Christina Owens

Race & Place: The Black Experience at FSU
Jaze Shaw-Young
Research Mentor: Shantel Buggs
Making up War in Côte d'Ivoire: Politics, Religion, and Conflict in West Africa
Logan Colangelo
Research Mentor: Joseph Hellweg

Parents, Parenting, and Social Media: A Systematic Review of the Research Literature
Mackenzie Tolrud
Research Mentor: Vanessa Dennen
Bioinformatic Analytics of Pancreatic Cancer Cells
Andrew Aarons
Research Mentor: Jerome Irianto

Modeling Human Mobile Co-Robot Physical Interaction
Ashleigh Johnson
Research Mentor: Oscar Chuy

Cable-suspended Robotic Systems for Improving On-Orbit Robotics
Brittany Zabawa & Christina Codrington
Research Mentor: Rodney Roberts

Life at Low Reynolds: Models Incorporating Helical Flagella
Brooke Bielski
Research Mentor: Owen Lewis

Control Optimization and Analysis of Superconducting Power Grid for Electric Transport Applications
Emilio Manzo
Research Mentor: Peter Cheetham

Shoot the Turtles: Machine Transfer Learning’s Applications in Marine Object Detection
Erin Murphy & John Sutor
Research Mentor: Jonathan Adams
Measuring Groundwater to Surface Water Exchange in Lab Setting
King Paul
Research Mentor: Francesca Bernardi

Heat Dispersion in Cryogenic Temperatures for Superconductor Applications
Maxwell McCammon
Research Mentor: Peter Cheetham

Development of a Deployable and Retractable Terrain Sensor Probe for Robot Navigation
Michael Dina
Research Mentor: Camilo Ordonez

Hardware-in-the-loop Simulation of Multi-vehicle Cyber-physical System
Samantha Steimer
Research Mentor: Olugbenga Moses Anubi

Synthesis of Tungsten Silicide Aluminide in Aluminum Flux
Skylar Scorca
Research Mentor: Susan Latturner

Applying Modified Additive Manufacturing (3D Printing) To Electrical Insulation
Spencer Martin
Research Mentor: Peter Cheetham
Wednesday, April 8th
6:45 - 7:45 pm
Leaders Jose Martinez & Paige Levanti, Transfer Student Group

https://fsu.zoom.us/j/539576318
bit.ly/ursabstract20

**Analysis of Benthos Survivablity on Artificial Substrates in Carrie Bow Cave, Belize**
Addison Golstein
Research Mentor: Abigail Engleman Black

**Queer Students and Homophobia on College Campuses**
Andrea Cayasso
Research Mentor: TehQuin Forbes

**Growth Patterns and Mutualistic Relationships Between Mangrove Sponge Species and Its Impact on Mangrove Restoration**
Benton Jaco
Research Mentor: Janie Wulff

**A Familial Impact: Can Socioeconomic Status Hinder a Child's Academic Success?**
Bridget David
Research Mentor: Carla Wood

**The Relationship Between Depression, Anxiety, and Cognitive Functioning: A Cross-sectional and longitudinal study**
Diamond Taylor
Research Mentor: Julia Sheffler
A Marriage Between Church and State: The Electoral Influence of the Russian Orthodox Church
Gabriel Clements
Research Mentor: Anastasiia Vlasenko

The Function of Swe1 in a New Pathway of Cell Restoration after HU Treatment
Ivan Kliuikov
Research Mentor: Yanchang Wang

The Microdialysis Technique and Its Vital Role
Kiera Singletary
Research Mentor: Do-Houn Kim

The FSU Children’s Learning Clinic: A Comprehensive Scientist-practitioner Research Clinic Combining Evidence-based Clinical Services with Novel ADHD Research Strategies
Mark Sultan
Research Mentor: Dr. Michael Kofler

The Effect of Musical Training on L2 Acquisition of Chinese Tones
Nathan Tabor
Research Mentor: Zhiying Qian

Creation and Evaluation of a Motion Capture Data Streaming Client
Samuel Roberti
Research Mentor: Christian Hubicki

Robots That Walk: Predicting Slipping in a Bipedal Robot
Sasindu Pinto
Research Mentor: Christian Hubicki

5 Key Concepts: Reinventing Post Release Programs
Vanessa Ramos
Research Mentor: Tanya Renn
Thursday, April 9th
10:30 - 11:45 am

https://fsu.zoom.us/j/298545803
bit.ly/ursabstract20

**Sodium Butyrate: A Study on a Commonly Prescribed HDACi on Chromatin Structure**
Alana Chang
Research Mentor: Dr. Jonathan Dennis

**Sex differences in an activity-based Anorexia Rat Model**
Brianna Carney
Research Mentor: Dr. Linda Rinaman

**Is There a Relation Between Visual Motor Integration and Academic Achievement in School-Aged Children with and without ADHD?**
Chloë Carames
Research Mentor: Dr. Michael Kofler

**Impact of a brief web-based anxiety sensitivity intervention on alcohol use outcomes**
Christopher Zappi & Cameron Matoska
Research Mentor: Dr. Norman Schmidt

**The Effect of Conductor Magnitude on Students' Perceptions of Inspiration**
David Ramos
Research Mentor: Dr. William Fredrickson

**The Ukrainian Crisis, Violence in the East, and its effect on Ukrainian Internally Displaced people and Refugees**
Emma Beyar
Research Mentor: Kohli Bagwe
Who Uses Big Words and Does it Matter? Morphologically Complex Words in Writing  
Karina Hernandez  
Research Mentor: Dr. Carla

Wood Successive Versus Simultaneous Bilingualism in College Students  
Katherine Diaz  
Research Mentor: Dr. Valeria M. Rigobon

Effect of Cognitive-Linguistic Load on Gait Performance in Persons with Aphasia  
Keaton Farne  
Research Mentor: Dr. Elizabeth Brookshire Madden

Replication Foci Patterns in HCT116 and H9 Cells in 16 Sub-stages of S Phase  
Kristina Lynch  
Research Mentor: Dr. David Gilbert

AirBnB & The Effects on Rental Pricing in San Francisco  
Maia Hass  
Research Mentor: Dr. Samuel Staley

Evaluating Disinhibition and Decision-making Using a BART Task  
Rachel Bowns  
Research Mentor: Dr. Christopher Patrick

Synthesis and Spectroscopic Analysis of Samarium(II) Crown Ether Complexes  
Sarah Molinari  
Research Mentor: Todd Poe
Exploring the Relationship Between Moral Injury and PTSD in Suicide Attempt Survivors
Savannah Woller
Research Mentor: Dr. Brad Schmidt

State Immigration Law and Racial Profiling Shane Whitney Research Mentor: Dr. Carl Kitchens Sex and Length as Predictors of Vertical Movements in Smalltooth Sawfish (*Pristis pectinata*)
Taylor Mogavero
Research Mentor: Dr. Dean Grubbs

Green Lynx Spiders and Investigating Their Capability to Camouflage
Zulay Rodriguez
Research Mentor: Dr. Thomas Miller
Thursday, April 9th
Nourishing Creativity Presentations
12:00 - 1:15 pm

https://fsu.zoom.us/j/822488299
bit.ly/ursabstract20

**The GradImpact Project: Digital Storytelling of FSU Graduate Student Experiences**
Miquelle de la Ossa & Nyah German
Research Mentor: Adrienne Stephenson

*Mondays Calls from Your Mother, and All the Things We've Lost, Creative Poetry Reading*
Emilee Wigglesworth
Research Mentor: David Kirby

**New York Public Library for the Performing Arts Blog Publication Project**
Group project with Dr. Arianne Quinn
Research Mentor: Dr. Arianne Quinn

**$1,134.24, A Visual Art Project**
Morgan Wegner
Research Mentor: Tenée' Hart
Thursday, April 9th
1:30 - 2:45 pm

https://fsu.zoom.us/j/511328216
bit.ly/ursababstract20

**Study of Potential Energy Harvesting: Opportunity Utilizing Thermoelectric Effect**
Charles Kennedy
Research Mentor: Dr. Omar Faruque

**Chinese and Indian Environmental Enforcement Policies: Will it Save Our Water?**
Erin King
Research Mentor: Dr. Elcin Haskcollar

**Studying Semantics in Children with Autism Spectrum Disorder**
Glenn Muston
Research Mentor: Ms. Valeria Rigobon

**The Passability of Inclusivity: An Examination of Marginalized and Minority Coverage Within Anti-Discrimination Bills from The 80th to 114th Congress**
Jack Mills
Research Mentor: Dr. Michelle Whyman

**Faith-based Cognitive-Behavioral Intervention for Distressed African-American Dementia Caregivers: Treatment Fidelity Analysis**
Kerlenz Lapaine & Victoria Strongosky
Research Mentor: Dr. Robert Glueckauf
Disappearing Islands: Impacts of Sea Level Rise on Indigenous Populations in the Pacific Islands
Leah Huff
Research Mentor: Dr. Elçin Haskollar

Post-weaning Social Isolation Alters Microgliosis in a Sex- and Brain Region-specific Manner in Male and Female Prairie Voles
MacKenzie Ellis
Research Mentor: Dr. Zuoxin Wang

Magneto-Structural Relations in MnSe-MnTe Solid Solutions
Madeleine Uible
Research Mentor: Dr. Michael Shatruk

Skin Cancer Detection and Classification using an Artificial Neural Network
Marlan McInnes-Taylor
Research Mentor: Dr. Sonia Haiduc

So Fine a Set of Men: The Influence of Race Relations Between Civil War Soldiers And the Shift in Perspective
Matthew Feiler
Research Mentor: Dr. Kathrine Mooney

The Case of Franklin Boulevard in Tallahassee, Florida
Mazi Rhodes
Research Mentor: Dr. Samuel Staley

The Pathogenic and Therapeutic Potential of Extracellular Vesicles in Alzheimer's Disease
Michael Vreones
Research Mentor: Dr. David Meckes
Remote Sensing in the Chesapeake Bay: A Focus on Harmful Algal Blooms
Natasha De La Cruz
Research Mentor: Dr. Greg Silsbe

Investigation into the Diet Ecology of the Tiger Rattlesnake (*Crotalus tigris*)
Rachel Saul
Research Mentor: Dr. Matthew

**Holding Examining Significant Predictors for Student Math Achievement**
Sasha Campbell
Research Mentor: Dr. Colleen Ganley

Examining the Impact of Poverty on Economic Growth: Southern Africa
Sydney Sparrow
Research Mentor: Dr. Elcin Haskollar

What is the Friendliest LGBTQIA+ Country?: A Comparison of the Developed and Developing World
Taylor Mackin
Research Mentor: Dr. Elcin Haskollar

Low-dose CCK-induced Activation of NTS GLP-1 Neurons and the PVN
Tyla Dolezel
Research Mentor: Dr. Linda Rinaman

Investigating Gender and Anxiety
Victoria Krentz, Lauren Weeks, & Rachel Gaitan
Research Mentor: Dr. Colleen Ganley
Thursday, April 9th
3:00 - 4:15 pm

https://fsu.zoom.us/j/348197622
bit.ly/ursababstract20

Florida Solar Energy Pricing: Cost-Benefit and Sensitivity Analysis of Florida Power and Light’s Projects
Arnel Garcesa
Research Mentor: Dr. Crystal Taylor

Effect of Spanish familiarity on recognition and spelling abilities of words with shared Latin roots
Brandon Patron
Research Mentor: Dr. Valeria M. Rigobon

Investigating Collegiate Students’ Perceptions on the Potential Risks and Benefits of Electronic Cigarette Use, and the Relationship Between E-Cigarette use and Depressive and Anxious Symptomatology
Cameron Matoska
Research Mentor: Dr. Ed Hansen

The Effects of Ocular Atropine Administration on c-Fos Activation in Oxytocin Wild-type and Knockout Mice
Joseph Guidubaldi
Research Mentor: Dr. Elizabeth Hammock

Sarah Grimke and Women's Education in Pakistan
Kelly Malandra
Research Mentor: Dr. Amanda Brooks

Cyber Risk Management
Rachael Gunter
Research Mentor: Dr. Patricia Born
Examining the Influence of Gender in Developing Cardiovascular Disease
Rhiannon Crawford
Research Mentor: Dr. Michelle Parvatiyar

Painting Class: An Analysis of Alice Neel’s Engagement with Francisco Goya
Sahara Lyon
Research Mentor: Dr. Tenley Bick

Teleological Essentialism and Boundary Intensification
Sophia Akel
Research Mentor: Dr. David Rose

Is Bullying Focused Bibliotherapy an Effective Tool for Children? A Review of the Literature
Sophia Putzeys, Madison Woodall, Ariana Cardona, Brittany Morgan, and Kinsey Schorr
Research Mentor: Dr. Lyndsay Jenkins

Female Incarceration
Spencer Nicholson
Research Mentor: Dr. Julie Brancale

Misogyny in Black Culture
Unique Castro
Research Mentor: Ms. Sherrina Lofton

Finding Codes in Higher Dimensions
William Driscoll
Research Mentor: Dr. Oleksanr Vlasiuk
Thursday, April 9th
5:15 - 6:16 pm
Leaders Christina Hayworth & Marissa Latouche, Psychology

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Lead Remediation Policy in the United States
Abigail Branham
Research Mentor: Prof. Katrinell Davis

Network Modeling and Simulation
Andre Merchan Revilla
Research Mentor: Dr. Charalambos Konstantinou

Well-being Measures
Annie Bolter
Research Mentor: Mr. Jorge Oseguera Gamba

Making up War in Cote d'ivoire: Politics, Religion, and Conflict in West Africa
Carlisle Ziesig
Research Mentor: Dr. Joseph Hellweg

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

Examining the Effect of Hope on Couple's Therapy
Graciela Medina
Research Mentor: Mr. Spencer Youngberg
Effect of Word Instruction on English-Learner students
Irene Mamea
Research Mentor: Ms. Kristina Bustamante

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

Technology-Based Mathematics for Students with Autism Spectrum Disorder
Melanie Umbdenstock
Research Mentor: Ms. Nanette Hammons

Implicit Suicidal Cognitions: A New Approach to the Death Implicit Association Test
Zachary Scott
Research Mentor: Mr. Austin Gallyer
Thursday, April 9th
5:15 - 6:16 pm
Leaders Anna Wuest & Cara Axelrod, Transfer group

https://fsu.zoom.us/s/924037288
bit.ly/ursababstract20

**One Nation Under Guns: A Social History of Faith and Firearms in America**
Alec Jimenez
Research Mentor: Prof. Michael McLaughlin

**Modern Applications of the SIR Model**
Anthony Ballestas
Research Mentor: Dr. Francesca Bernardi

**Agnes Stillwell in Potter's Quarter**
Caroline Gilley
Research Mentor: Dr. Kathrine Harrington

**Social Media as a Parenting Support Tool: A Scoping review**
Casey Cargill
Research Mentor: Dr. Vanessa Dennen

**Differential Vulnerability to Tornado Impacts in Communities of the Rural U.S. South**
Claudia Camilus
Research Mentor: Dr. Tisha Holmes

**Examination of Amphimedon compressa as a Complex of Cryptic Sponge Species**
Deborah Olivier
Research Mentor: Ms. Bobbie Renfro
Effects of Biofeedback Training Intervention on Behavioral and Neurocognitive Performance in adults
Francesca Carpentieri
Research Mentor: Dr. Pascal Jean-Pierre

Outsourcing of Investment Management for Life Insurance Corporations
Francisco Lebron
Research Mentor: Dr. Kyeonghee Kim

Deadly Mass Shootings 1976-2018: Trends, Features, and Media Reporting
Hannah P. Stevenson
Research Mentor: Dr. Jillian Turanovic

In the Member's Best Interest
Laurie-Yolita Louissaint
Research Mentor: Dr. Gary Bliss

Dante Today: Cataloging Culture
Luis Sanchez
Research Mentor: Dr. Elizabeth Coggeshall

Role of Adiponectin in Exercise Training-Induced Adaptations of the Cardiovascular System
Megan Schimansky
Research Mentor: Dr. Judy Delp

Effects of Neighboring Plants on Seed Yield in the Species Solanum carolinense
Sandra Miles
Research Mentor: Dr. Dr. Jacob Heiling

Water Purification Technologies for Rural Communities in West Africa: Current Challenges and Future Directions
Taylor Fant
Research Mentor: Dr. Sam Yang
Thursday, April 9th
5:15 - 6:16 pm
Leaders Ashley Moses & Mannat Thakur & Jessica Folsom, Neuroscience

https://fsu.zoom.us/j/768653511
bit.ly/ursabstract20

**Impaired Hippocampal-cortical Interactions During Sleep and Memory Reactivation Without Consolidation in a Mouse Model of Alzheimer's Disease**
Ashley Silk
Research Mentor: Dr. Aaron Wilber

**Investigating Math Interpretation Bias and it's Relation with Math Anxiety**
Camila De Armas
Research Mentor: Dr. Colleen Ganley

**The Role of NADPH Oxidase in Endothelial Function**
Cara Gillespie
Research Mentor: Dr. DoHoun Kim

**The Impact of Teacher Language Use on Student Language Development**
Daisy Ramos
Research Mentor: Dr. Carla Wood

**Exploring Female Characters in Bollywood Film**
Damamli Dorsey
Research Mentor: Ms. Rebecca Peters

**Learning Through Cycles of Collaborative Design**
Isabella Bayramov
Research Mentor: Dr. Jennifer Schellinger
Dopamine Receptor Expression in the Olfactory Bulb
Jessica Moser
Research Mentor: Dr. Douglas Storace

The Role of Basic Heritage Language Courses in Acquiring and Maintaining the Spanish Language
Kairin Bonilla
Research Mentor: Dr. Estrella Rodriguez

Blue-to-UV Upconversion Though Tunable CsPbBr Triplet Sensitization
Kelsey Morris
Research Mentor: Prof. Lea Nienhaus

Network resilience in a brain network for birdsong
Kerrianna Jadunandan
Research Mentor: Dr. Frank Johnson

Self-Directed Research
Kevin Etienne
Research Mentor: Dr. Casey Dozier

Analyzing the Relationships Between Nostalgia, Meaning, Depression, and Suicidal Ideation
Lena Shepulski
Research Mentor: Mr. Sean Dougherty

Mortality from Alcohol Exposure Increases with Lack of Circadian Rhythm
Natalie Storch
Research Mentor: Dr. Lisa Lyons

Digital Narratives: Capturing the Graduate Student Experience
Nyah German
Research Mentor: Dr. Adrienne Stephenson
Project MED
Robel Mechal
Research Mentor: Dr. Scott Pickett

Gentrification in Atlanta's LGBTQ Community
Sarah Gallagher
Research Mentor: Ms. Rachael Cofield

The Effect of pH on GBP2 Reactivity
William Zak
Research Mentor: Dr. Qian Yin
Thursday, April 9th
5:15 - 6:16 pm
Leaders Caitlin Baird & Caitlin Violette, Psychology

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bit.ly/ursabstract20

Alana Rigby
Research Mentor: Prof. Hye Ryung Won

**The Effects of Sleep Deprivation on Suicidal Behaviors in a Virtual Reality Paradigm**
Augusta Mansfield
Research Mentor: Ms. Lauren Harris

**Understanding Prejudice and Facilitating Social Change**
Imani Lewis
Research Mentor: Ms. Kristina Chamberlin

**Design and Creation of Various Art Forms**
Kimberly Le
Research Mentor: Prof. Kevin Curry

**Inclusivity through the Student Resilience Project**
Maricela Rubio
Research Mentor: Dr. Karen Oehme
Thursday, April 9th
5:15 - 6:16 pm
Leaders Raechel Sanger & Anna Jara, Psychology

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bit.ly/ursabstract20

**Interactive Effects of Anxiety Sensitivity and Trauma Type on OC Symptoms in a Trauma-Exposed Community Sample**
Ashley Crisafulli
Research Mentor: Ms. Danielle Morabito

**Spatial Reorientation Impairment in the Parietal-Hippocampal Network of Mice Models with Alzheimer's Disease Pathology**
Carolina Garcia-Barbon
Research Mentor: Dr. Aaron Wilber

**The Psychological Toll of Prison Systems**
Jailene Oliva
Research Mentor: Dr. Tanya Renn

**Detection Thresholds of Mice to Commonly Used Odorants**
Jordan Singer
Research Mentor: Dr. Adam Dewan

**Developing an Understanding of how Couples Interact in the Context of Problem Solving**
Madeline Jubran
Research Mentor: Dr. Andrea Meltzer

**The Contribution of TAAR's to Amine Discrimination**
Matthew Gomes
Research Mentor: Dr. Adam Dewan
Roles Of Non-Profits in Hurricane Response and Recovery
Nadia Patterson
Research Mentor: Dr. John Mathias

A Preliminary Evaluation of an Exposure-Based Treatment for Perfectionism
Payton Sikes
Research Mentor: Ms. Sarah Redden

Exploring the Interaction between Early Life Adversity and Support Groups on Adult Cognitive Status
Valeria Burchard
Research Mentor: Dr. Julia Sheffler

Deferred Prosecution Program Guide
Vinchenzo Vassalotti
Research Mentor: Ms. Antoinette Grier
Thursday, April 9th
6:45 - 7:45 pm
Leaders Autumn Aniello & Zoe White, Pre-nursing

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bit.ly/ursababstract20

**Effect of Word Instruction on English-Learner students**
Amaya Fernandez
Research Mentor: Ms. Kristina Bustamante

**Examining the Effect of Hope on Couple's Therapy**
Ashton Johnson
Research Mentor: Mr. Spencer Youngberg

**Using enhanced-milieu teaching with experience books to improve verbal language skills of children with visual impairment (VI) and developmental disability (DD)**
Carly Mayzum
Research Mentor: Mr. Mert Bilgin

**The Too Soon Effects of Returning to Work Postpartum in African American Households**
Desyree Houston
Research Mentor: Dr. Jospeh

**Technology Based Mathematical Problem Solving Instruction**
Jaden Jones
Research Mentor: Dr. Sarah Cox

**The Functional Role of the Anterior Thalamic Nuclei-parietal Cortex Network on Spatial Orientation**
Jazmin Belton
Research Mentor: Dr. Aaron Wilber
Supports and Constrains in Classroom Engagement: An Examination of the Discursive Moves of Two Girls' Sensemaking Endeavors in Science
Katarina Gomez
Research Mentor: Dr. Jennifer Schellinger

The FSU Children’s Learning Clinic: A Comprehensive Scientist-practitioner Research Clinic Combining Evidence-based Clinical Services with Novel ADHD Research Strategies
Kellie Conlon
Research Mentor: Dr. Michael Kofler

The Importance Of Legacy data in Archaeology
Kimberly Civil
Research Mentor: Dr. Katherine Harrington

Sibling Influence on Child Health Behaviors and Obesity: A Systematic Review
Kyrie Blocker
Research Mentor: Dr. So Hyun Park

Perspectives of SLPs on Friendship Maintenance and Development for Clients with Aphasia
Lauryn Barkley
Research Mentor: Dr. Michelle Therrien

Determining if Male Familial History in Reading and Language Difficulties Poses a Higher Indication of Risk
Leilani Fleites-Fernandez
Research Mentor: Dr. Beth Phillips

Effects of Nature Exposure on Perceptual-Cognitive-Motor Performance
Martin Gonzalez
Research Mentor: Ms. Stinne Soendergaard
Parental Influence on Preschoolers Academic Performances
Robyn Wilson
Research Mentor: Dr. Beth Phillips

Patient Experiences with Information Seeking for Cancel Clinical Trials
Shelby Harper
Research Mentor: Ms. Lynette Gerido

The Interpersonal Core of Conscientiousness: Mechanisms And Partner Effects That Promote Healthier Cognitive Aging And Reduce Risk of Alzheimer's
Taylor Mosca & Genevieve Murdoch
Research Mentor: Hannah Lovett
Thursday, April 9th
6:45 - 7:45 pm
Leaders Selina Nevin & Meagan McLaughlin, Social Science, International Affairs, Political Science

https://fsu.zoom.us/j/751933839
bit.ly/ursababstract20

**Utilizing Geographic Information Systems for Football Gameday Car Crash Analysis**
Alexander Chang
Research Mentor: Dr. Eren Ozguven

**The Role of Basic Heritage Language Courses in Acquiring and Maintaining the Spanish Language**
Avie Montoya
Research Mentor: Dr. Estrella Rodriguez

**Motivation to Take Political Action**
Chelsea Casabona
Research Mentor: Ms. Daniella Krusemark

**How Top-tier Research Institutions Affect the Surrounding Economy**
Connor Sherman
Research Mentor: Dr. Shawn Kantor

**Better Dead Than Red: A Twentieth Century Crusade for Christ and Against Communism**
Emma Bernstine
Research Mentor: Dr. Daniel Wells
Making up War in Côte d'Ivoire: Politics, Religion, and Conflict in West Africa
Georgina Patient
Research Mentor: Dr. Joseph Hellweg

Symbols of White Supremacy: The Relationship between Monuments to the Confederacy and Hate Crimes Guissella Cruz
Research Mentor: Dr. Brendan Lantz

Aggress to impress: Waging political aggression so as to gain favor with the political ingroup
Jose Cruz
Research Mentor: Mr. Doug Kievit

The PURPOSE of Mentorships: A Program Evaluation
Madison Resnick
Research Mentor: Mr. Erik Rawls

Resilience in International Students Maya Gummaraju
Research Mentor: Dr. Karen Oehme
Educating Digital Citizens: A Review of Curricula
Thomas Lovegren
Research Mentor: Dr. Vanessa Dennen

Thomas Ossi
Research Mentor: Dr. Michael McVicar

Researching Applications of NKA Frameworks in Social Media Environments
Victor Arechavaleta
Research Mentor: Dr. Vanessa Dennen