16th Annual
Student Research Symposium

A showcase of innovative research and creative work produced by USF St. Petersburg students with the guidance and support of university faculty.

Co-sponsored by:
Honors Program
Office of Research
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Department of Psychology
Brianna Peterson, Hannah Crawford (Criminology): “Patterns Shoplifting/Retail Thefts in St. Petersburg”
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Megan Reilly, Nicholas Chirinchigno (Criminology): “Patterns of Murder—St. Petersburg, FL 2014-2018”
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Khendal Robinson, Samantha Ortiz (Criminology): “Patterns of Crime and Disorder of Juvenile Arrestees—St. Petersburg, FL 2014-2018”
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Iliana Simo, Shana Manoj (Biology): “CD82 changes CD151 surface expression in metastatic prostate cell lines”
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Gowsalya Sothy, Brooke Glover, Kiara Centeno, Orlando Perdomo (Biology): “Molecular dynamics associated with different inhibitor-protein complexes for the enzyme Telomerase”
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Zachary Stahl, Dalia Mejia Saavedra (Criminology): “Homeless Arrests—St. Petersburg, FL 2014-2018”
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Pieter Wiemken, Nicholas D'Souza, Michael Nickas, Corell Kimer, Yana Sirotkin, James McHale (Psychology): “Infant Emotion Regulation during Triadic Interactions with Both Parents at 3 and 12 months”
Faculty Sponsor: James McHale
Alexandra Liss, Deby Cassill, Noel Takeuchi, Alison Gainsbury
(Psychology): “The One-Half Rule: A Study of Mammary Glands in Rodents”
Faculty Sponsor: Alison Gainsbury

Shelby Mahank, Natalie Sawaya, Nava Baran, Debbie Lindell, Mya Breitbart
(Biology): “Perfecting the Polony Method to Quantify Marine Viruses”
Faculty Sponsor: Mya Breitbart

Veronica Marcano, Ciara Jackson
(Criminology): “Analysis of Quality of Life Offenses—St. Petersburg, FL 2014-2018”
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Alan Mathon, Alen Amentovic
(Biology): “Zika Virus Protease Inhibition Through Oprozomib”
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Crystal McClendon, Christine Joyner
(Environmental Science): “The Melrose Lead Site Mystery”
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Kristen McVey, Allyson Pickering
(Criminology): “Domestic vs Dating Violence in St. Petersburg, FL 2014-2018”
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James Onufrak, Dr. Lindsey Rodriguez, Dimitra Dimopoulos
(Psychology): “State Emotion Regulation as a Mediator of the Relationship Between State Attachment Security and State Mindfulness”
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Verna Peddi, Ashley Schipae, Alexis Slacum, Yvonne Solis
(Anthropology): “A Family Broken but Unbowed: The Lynching of Frazier B. Baker”
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Christina Agard
(Biology): “Shell Shocked! Factors Involved in Green Turtle Fibropapillomatosis”
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(Biology): “Smoking is Out”
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(Biology): “Operant conditioning: Hoops for Kale”
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Daniela Arenas
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Alexis Bailey
(Biology): “University of South Florida St. Petersburg Students: Factors Involved in Anxiety”
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Innara Basria
(Biology): “Norovirus Outbreak in Different Countries”
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Alyssa Bates
(Biology): “Just squirreling around”
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Abigail Blackburn
(Marine Biology): “Diatoms Diversity on Red Mangrove Prop Roots”
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Marissa Bornhauser
(Biology): “Are men more likely to develop Hodgkin’s Lymphoma”
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Renee Brenzo
(Biology) “Is Climate Change Real?”
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Michelle Burklund (Biology) “Alcohol And Cars Don’t Mix: DUI Statistics”
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Jacob Butler (Biology) “Just Friends”
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Kayla Byrd (Biology): “How ‘Right’ Are We About Canine Paw Dominance?”
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Magali Capano (World Languages and Culture): “Can Machines Speak? Impact of Technological Advances in the Field of Translating and Interpreting”
Faculty Sponsor: Frederic Leveziel

Kiara Centeno (Biology): “Student GPA: Factors Involved in Students Success”
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Cailee Cinko (Biology): “Are Animal Morals Better than Ours?”
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Dylan Clausen (Biology): “Manatee Mortality: Most Common Manatee Deaths in Pinellas County, FL”
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Alec Colarusso (Anthropology): “Elite Ideology and a Comparison of the Maya”
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Marcia Gralha, Dimitra Dimopoulos, Emmalene Robinson, Klejdis Bilali, Sarah Lopez, Lindsey Rodriguez (Psychology): “Bare Your Heart or Bottle it Up? The Impact of Emotional Suppression and Ambivalence on Well-being and Relationships”
Faculty Sponsor: Lindsey Rodriguez

Emma Guyette, John Shuford (Psychology): “Intuition vs Statistics: A historical look at clinical prediction”
Faculty Sponsor: Mark Pezzo

Eric Hernandez, Madison Delgado, James Ivey: “Robot Lawn Mower”
Faculty Sponsor: James Ivey

Alison Hunt, Samantha Booth, Lindsey Rodriguez (Psychology): “Mental Health and Relationship Well-Being: Associations between Relationship Functioning and Depression Moderated by Attachment Anxiety”
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Sean Johnson, Mario Makram (Criminology): “Analysis of Juvenile Arrests in St. Petersburg, Florida from 2014-2018”
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Claire Kinney, Wendy Rote, Ashley Chapman, Renee Patrick (Psychology): “Experienced versus Desired Levels of Helicopter Parenting: A Latent Profile Analysis”
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Adam Lashley, Michael Avery, Jen Ramsdell, Wendy Rote (Psychology): “Student Perceptions of Helicopter Parenting Motivations”
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Yesi Dominguez, Chandler Cone (Criminology): “Analysis of Incidents and Arrest Reports on 34th Street St. Petersburg, FL from 2014-2018”  
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Nicholas D’Souza, Pieter Weimken, Michael Nickas, Eric Umlah, Kendall Barrios, Yana Sirotkin, James McHale (Psychology): “Infant Emotion Regulation during Triadic Interactions with Their Unmarried Parents”  
Faculty Sponsor: James McHale

Elena Duarte, Jeffrey Waitkevich (Criminology): “Patterns of Shoplifting Crime from 2014-2018 in St. Petersburg, FL”  
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Genevieve Embrey, Giselle Ycaza (Criminology): “Analyzing Patterns of Domestic Violence Incidents and Arrests”  
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Emery Gibson, Jalisa Linares (Anthropology): “What Could Have Been Left Behind”  
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Briana Gomez, Julian Ramirez Ayala (Criminology): “Patterns of Opioid Arrests from 2014-2018, St. Petersburg, FL”  
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Claire Graham, Deandra Williams (Biology): “The Effect of Herbicides on Species Richness on Insects”  
Faculty Sponsor: Deby Cassill

Sharnese Collier (Psychology): “To Kill or Not to Kill? Capital Punishment”  
Faculty Sponsor: Anna Dixon

Nicholas Cropper (Biology): “Florida Man Goes to Tallahassee: Elections in Pinellas County” and “Bird Brain?: Tool Use in 2 Families of Birds”  
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Faculty Sponsor: Thomas Smith

Rachel Cruz (Biology/Honors): “Linear reintegration process of foreign attendings into American Healthcare”  
Faculty Sponsor: Richard Smith

Trang Dang (Biology): “The Influence of Artists Under 21”  
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Thayanne DaSilva (Biomedical Sciences): “Global Maternal Mortality Rates (MMR)” and “Influence of Tobacco on Periodontal Disease”  
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Ivanes Diaz Leon (Biology) “Daredevil Goslings”  
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Gabrielle Donald (Anthropology): “Interaction Between Mesoamericans and Native Americans During the Post-Classic”  
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Emma Doyle (Biology): “Building a Monomer from a Capsid Protein in Tobacco Mosaic Virus (strain vulgare)”  
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Yulia Drung (Psychology): “False Consensus and Taking Offense”  
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Adam Feldman (Biology): “What To Pour Up In a Red Solo Cup?”
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Tiffany Fieldhouse (Biology): “Dancing to Impress”
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Sarah Files (Biology): “Child mortality in the world by HIV/AIDS”
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Georgia Flanagan (Marine Biology): “Tantalizing Tentacles: Environmental influences in Octopus vulgaris growth”
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Nicole Forsgren (Marine Biology): “Not All Heroes Wear Capes”
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Domonique Gillen (Biology): “Galloping Flamboyant Cuttlefish”
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Andriy Glushakov (Biology): “War and Conflict and its Implications in Ukraine”
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Claire Graham (Biology): “Comparison of Pesticide Levels in Sediments in Jobos Bay, Puerto Rico Pre- and Post- Hurricane Maria”
Faculty Sponsor: Henry Alegria

Christianna Concilio, Rachel Ramos (Criminology): “Possession of Controlled Substance Arrests—St. Petersburg, FL 2014-2018”
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Sara Cooke, Amanda Ballenger (Criminology): “Patterns of Stimulants (Cocaine and Meth) - St. Petersburg, FL 2014-2018”
Faculty Sponsor: William Ruefle

Alexandria Corona, Adam Lashley, Josh Nebeker, Brittany O’Sick, Wendy Rote (Psychology): “Variations in Conflict and Guilt Topics Between Mothers and Teens”
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Emily Cunnigham, Natalie Hawkins, Laneisha Jeans, Daniel Miller (Environmental Science): “We Drew a Map to a Better Place”
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Dimitra Dimopoulos, James Onufak, Michael Avery, Samantha Booth, Marcia Gralha, Lindsey Rodriguez (Psychology): “The Big Five as Predictor for Resilience: Moderated by Mindfulness”
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Bharat Bharat, Dimitra Dimopoulos (Psychology): “Rhythmic Complexity and Preference for Tempo”
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Troy Bielicki, Bogomil Mihaylov (Criminology): “Patterns of Auto Theft Arrests & Incidents in St. Petersburg, FL 2014-2018”
Faculty Sponsor: William Ruefle

Klejdis Bilali, Marcia Gralha, Emmalene Robinson, Sarah Lopez and Lindsey Rodriguez (Psychology): “Why Don’t Victims of Abusive Relationships Just Leave”
Faculty Sponsor: Lindsey Rodriguez

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Avary Bristol, Emily Varley (Criminology): “Opioid Arrests in St. Petersburg 2014-2018”
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Mary Byrnes, Corey Shrader (Biology): “Amyloid Beta protein & Alzheimer’s Disease”
Faculty Sponsor: Leon Hardy

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Jasmine Cloutier, Deborah Andrango, Alexis D’Amour, Melissa Cloutier (Biology): “Is Habitat Heterogeneity Related to Bird Diversity”
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Araseli Guerrero (Biology): “Pick-up Lines or SUVs? USA Top-Selling Vehicles 2018”
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Augustine Haile (Anthropology) “Chichén Itzá’s Unique Role in the Maya Landscape”
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Olivia Hanson (Biology) “Cure-All Concoctions of the Past: Patent Medicines at the Gamble Plantation”
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Michaela Hayes (Biology): “Do Elephants Mourn?”
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Briana Heptoner (Biology): “Trash Talk”
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Natalie Howard (Biology): “Global Shark Attacks from January to June 2018”
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Marvin Lawrence (Biology): “Cirrhosis: Morbidity Rating and Mortality Assessment in America”
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Brian Lee (Honors): “A Job for You and What you Need to Know”
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Marc Leroux (Biomedical Sciences): “Obesity: Us or Them?”
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Lexi Mancini (Interdisciplinary Social Sciences): “A Sociological Interpretation of Uniqueness”
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Laura Manke (Education): “Give Me Liberty or Give Me Death: 5th grade's journey into the American Revolution”
Faculty Sponsor: Heather Duncan

Ashlee Whitman (Biology): “Disintegrating starfish...What is causing this phenomenon”
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Mary Winemiller (Biology) “A Preliminary Study of Mental Health and Wellness in Veterinary Field in Pinellas County”
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Alexandra Bauman, Dimitri Dimopoulos (Psychology): “Does Gender Influence Career Decisions for Dual-Earning Couples?”
Faculty Sponsor: Mark Pezzo

James Berg, Patience Converse (Criminology): “DUI Arrests in St. Petersburg, FL January 2014 - December 2018”
Faculty Sponsor: Mark Pezzo
Chloe Thirion (Honors): “The Way Women Work”
Faculty Sponsor: Rebecca Harris

Madeline Thorpe (Biology): “Study of Sargassum Community Structure”
Faculty Sponsor: Joan Herrera

Nicholas Tijerina (Biology): “State of Breath: Regions Affected by Asthma”
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Katherine Timer (Biomedical Sciences): “Child’s Best Friend?: A Study of Dog Bites in Children”
Faculty Sponsor: Deby Cassill

Nicole Tran (Psychology): “Recruitment and Retention of Older Adults in Longitudinal Randomized Controlled Trials”
Faculty Sponsor: Jennifer O’Brien

Tuyen Tran (Biomedical Sciences): “Immigration and Outmigration”
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Blake Waller (Psychology): “Charting the Dangers of Cataracts”
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Elliana Walster (Biology): “Lovers in Paradise”
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Thomas Webster (Biology): “Adolescent Obesity: Behavioral Factors”
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Nicholas Weibel (Biology): “A Survey of Coffee Consumption”
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Kaylee Wells (Biology): “Stop Elephant Poaching”
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Billie Mealey (Biology): “Free Willie!”
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Justin Morera (Biology): “PA+H to Excellence: A Study of the Mathnasium’s Capabilities”
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Courtney Navarrete (Biology): “Game of Tusks”
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Brianna Nicholas (Business): “The ‘Golden Retriever’ of Cats”
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Rosane Nieves (Biology): “Living with vitiligo”
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Nicole Niklasch (Biology): “Killer Kats”
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Andrea Orleanski (Biology): “Injuries in Different Sports”
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Hunter Osborne (Biology): “Don’t Hate Your Dentist More Than You Hate Having A Bad Smile!”
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Orlando Perdomo (Biomedical Sciences): “Top 10 Cities in the World Based on Gross Domestic Product (GDP)”
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Andrew Rene (Biology): “Comparison of PAH levels in an urban vs a suburban setting using organic films on windows”
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Kimberly Sprenger (Biology): “Cellular Immunotherapy: Up & coming Applications to Major Neurodegenerative Diseases”
Faculty Sponsor: Hossam Ashour

Diana Stancic (Biology): “Campus Squirrels are Nuts! Anthropogenic Influence on an Urban Adapter”
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Nick Stivali (Biomedical Sciences): “The Dietary Composition of the U.S. and Canada in Recent Years”
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Karly Taylor (Honors): “The Evolution and Future of Access and Support in Diverse Students in Higher Education”
Faculty Sponsor: Thomas Smith

Sierra Taylor (Biology): “Boat vs Manatee: Are Boats the Leading Cause in Manatee Deaths”
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Eleni Theocharakis (Biology) “Promiscuity and Sexuality and STIs! Oh My!”
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