2020

Undergraduate Research, Scholarship and Creative Investigations (URSCI) Exposition &
Global Learning Symposium

Wednesday, April 8
Parmer Hall

Full Program and Abstracts Available at https://www.dom.edu/academics/undergraduate-research/ursci-expo
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<td>Claire Groppe (Fashion)</td>
<td>ExCle III Guadalupe Alvarez, Ana Cabral Gamboa, Janet Lechuga, Luisa Leon, Jorge Ramirez, Janet Recendez, Jessica Ruiz (Panel)</td>
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<td>Computer Science I Niko Copitas, Will Dunn, Maciej Krawiec, Edith Lopez, Eric Sigaran, Karol Wszeborowski, Dawid Zabiegly</td>
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<td>Computer Science II Marc Casanova, Justyna Lowisz, Antonio Morales, Elvia Velazquez, Erick Velazquez, Jarod Joy Villapando</td>
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<td>Computer Science III Mohammed Alhawenal, Miguel Caballero, Frankie Greco, Erik Madrid, Dago Ramirez, Isaiah Soto, Melanie-Ann Toledo</td>
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<td><strong>PS C</strong> Biology Business Chemistry Civic Learning (ExcEL) Criminology Physics</td>
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<td>Erienne Brit (English)</td>
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## PROGRAM OVERVIEW (Cont.)

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<td>A Diverse First Year Experience Iris Arce, Anthony Espinosa, Lizabeth Leon, Margaret Looney (Panel)</td>
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<td>Zahra Domin</td>
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### AWARDS CEREMONY and ANNOUNCEMENTS
- 2020 UNDERGRADUATE SUMMER SCHOLAR PROGRAM (USSP) AWARDS
- EXCELLENCE in EXPERIENTIAL LEARNING AWARDS (ExcEL)
- 2020 URSCI EXPO & GLS POSTER AWARDS
Parmer Atrium - Poster Presentations

Poster Session A | Business (MGMT 197)

These poster presentations are a competition between teams of students participating in the Management 197 Gateway Business Practicum. The students come from four different classes and their task was to propose ideas for new businesses that are both for-profit and sustainable. Those with the top ideas became team captains, who were joined by other classmates to research and assess the feasibility of these business ideas. Each business must work toward at least one Sustainable Development Goal as laid out by the United Nations PRME organization. Teams will be judged by members of the business community who will evaluate them and then invest (fake) money in their top teams. The teams earning the most money invested will be declared the winners.

(* designates the team captain)

Denise Carvajal*, Robert B Hernandez, Victor C Porada, Marco A Toledo
Baby Genie
Yuanqing Li

Jakub Kaminski*, Rasheed E Hinton, Sheila D Dumaraog, Enrique Resendiz
CarGo
Yuanqing Li

Garrett M Wano*, Martin W Leskiewicz, Heydi A Rivera
GPS Golf
Yuanqing Li

Jaret Arredondo-Heredia*, Daniela Carrillo, Luten Loca
Monarcha Libre
Yuanqing Li

Eric M Gasienica*, Jesus A Acevedo, Makayla I Barnes
Neuro-Guard
Yuanqing Li

Michael "Cal" Iwinski*, Angel Alvarez, Carlos A Gomez
Thermo Sealer
Yuanqing Li

Mikolaj M Kowalczyk*, Cristhian Duenas, Allyson K Gage
DUBS
Matthew W Brod, Robert Z Rigdon, *Leah M Robinson
_Flik_
Derek Ruth

Noelle A Chong, Allan D Delos Reyes, Claudia Herrera
_Bag Runner_
Derek Ruth

Vicente A Castro, Keren S Mendoza-Pacheco, Khalid Sahhari, *Catherine N Saponieri
_Coach Connections_
Derek Ruth

Daniel Arreguin, Laura K Meza, Dahshane E Reed, *Manuel Salgado
_Waggin Tails_
Derek Ruth

Meshal E Alharbi, Braquan Echols, *Kathryn D Greenlea, Christopher Rendon
_Green Wear_
Derek Ruth

**Poster Session  B | Fashion, Italian, Nursing, History**

Gillian Jones
_Online Retailer: Active Purpose_
Melissa Carr

Isabelle Grubbs
_Better with Time - Vintage Boutique_
Melissa Carr

Sherdell Edwards
Visual Merchandising Internship: Tools & Techniques
Tracy Jennings

Rosalia Trupiano
Il Commercio e La Cultura Italiana - Italian Culture and Business
Veena Carlson

Abigail Johnson, Melanie Myszka | URSCI Research Assistantship
The Power of Psychological Capital in Nursing Students Participating in a Renal Health Literacy Simulation
Michelle Allen

Vincenzo Cerasuolo
From Mouth to Written Words: Oral History and Transcriptions
Liesl Orenic

Poster Session C | Biology, Business, Chemistry, Civic Learning, Criminology, Physics

Sol Beltran
Summer Enrichment Programs for Future Health and Welfare Professionals
Christopher Anderson

Kassandra Babelonia, Kiara Psalm Rana
Sensitization of Drosophila Melanogaster Larvae
Scott Kreher

Julia Horn
Where the Wild Things Really Are: A Technique for Discovering New Soil Bacteria
Margaret Jonah

Qi Zhao
Poetics and Entrepreneurship: Analysis of Poetic Marketing on Crowdfunding Campaign Success
Yuanqing Li

Karina Bahena, Madison Fette, Victor Jimenez | URSCI Research Assistantship
Hydrothermal Synthesis of Tin (II) Sulfide
Amartya Chakrabarti
Thy Ngo
Quantification of Iodine Fuming in the Revelation of Chemical Compounds
Friesen, J. Brent

Luke Tomzik
Gold(III)-Catalyzed Hydration of Alkynes
Friesen, J. Brent

Estefania Espinosa | ExCEl Scholar
Conservation Research of Marine and Terrestrial Native Species of The Bahamas
Paul Simpson

Cristina Ricano
Community Building and Healing in Logan Square: Reports from a Work in Progress
Paul Simpson

Hector Farias
Clemencies Remedy for Justice
Michelle VanNatta

Christopher Vazquez
Halogen-Substituted Benzoxanthene Derivatives
Joseph Sagerer

Madeline Morrow
Anode Performance During Uranium Dioxide Electrolytic Reduction
Gerald Gulley

Poster Session D | Chemistry, Philosophy, Political Science

Victor Jimenez, Karina Bahena, Madison Fette | URSCI Research Assistantship
Hydrothermal Synthesis of Zinc Sulfide
Amartya Chakrabarti
Abdulrahman Alkhowater, Paris Bankole, Sol Beltran, Blanca E Del Rio, Javier Delgado, Marina Moeller
PROTOX in Processed Meat and Its Effects on the Human Body
Daniela Andrei

Sarah Ptack, Regine Sims, Lizette Tud, Gabrielle McCoy, Miguel Rivas, Karolina Peza
Cancer Therapy Using CRISPR/CAS9 Technology
Daniela Andrei

Gabriela Giza, Samantha V Graziano, Benjamin Ibarra, Lisbeth Hernandez, Lorena E. Juarez, Samantha Hatfield
Anti-Cancer Properties of Compounds in Cannabis Plants
Daniela Andrei

Estefania Espinosa, George Garcia, Hector Dorado, Annette Garcia, Miriam Gabriel
Vitamin B Complex
Daniela Andrei

Kadir Castellanos
A Philosophical Analysis of the Rise of Nationalism in Early 20th Century German Politics
Drew Dalton

Erica Martinez
New President, Same Nukes
Patrick Homan

Mbinga Kafunya
Fighting Exploitation and Stagnation in Post-Colonial Africa using African Political Philosophy
Patrick Homan

Vianka Moreno
Stranger Things: Revisiting the Cold War Paranoia
Patrick Homan

Poster Session E | Education, English, Informatics, Psychology

Julia Horn
Addressing the High School STEM Teacher Shortage
Josephine Sarvis

**Stephanie Alonso**
*Chicago: Brooks and Cisneros, The City They Survived*
Gema Ortega

**Connor Mangan**
*Philosophy in Science Fiction*
Gilmer Cook

**Monica Lebensztejn**
*Revolutionary Romanticism*
Jo Ann Bondi

**Jonathan Seals**
*Childhood Development and the Relation with STEM Disparities*
Donald Hamerly

**Carlos Benitez, Kristen Garcia**
*Gender Inequality and Sexism: A Constructive Replication of Powell et al. (2005)*
Tina Ritzler

**Lauryn Bergert**
*Promising Pathways: Understanding the First Year Experience*
Tina Ritzler

**Norma Chavez**
*PLTL Workshop Attendance as a Moderator of STEM Foundation Course Grades*
Tina Ritzler

**Julissa Esquivel**
*Gender Differences in Amygdala Volume and Negative Emotion*
Anthony Krafnick

**Katelyn Flayter**
*Relationships Between Stress Exposure, Working Memory, and Frontal Cortex Neuroanatomy*
Anthony Krafnick

Emily Sanabria
_A Replication: Understanding How Framing Racial Inequality Impacts Racial Attitudes_
Tina Ritzler

Elena Sandoval
_Internships at DU: Overview of being a TA for Research & Stats_
Tracy Caldwell

**Poster Session F | Fashion (Senior Thesis), Psychology**

Ariana Arellano
_Space Age Futuristic_
McKinley Johnson

Claire Groppe
_Structured Mystery_
McKinley Johnson

Heather Hans
_Delicate Dancer_
McKinley Johnson

Audra Laird
_Floraison_
McKinley Johnson

Dejah Mansfield
_Monsieur Carnaby_
McKinley Johnson

Rebecca Miranda
_Twenties_
McKinley Johnson
Amanda Ruano
city artWORK
McKinley Johnson

Evelin Zermeno
Colores de la Tierra
McKinley Johnson

Elena Sandoval, Gloria Gervacio*, Maria Marquez | *URSCI Summer Scholar
The Role of Motivational and Contextual Factors in Undergraduates' STEM-Related Persistence and Identity
Persis Driver

Emily Sanabria, Melissa Lopez, Colleen Lamb
Treatment of Complex Trauma Exposure: A Meta-Analysis
Sophia Duffy

Carlos Benitez | URSCI Research Assistantship
The Men's Project at Dominican University: A Replication of Stewart (2014)
Tina Ritzler

Kristen Garcia, Estefany Ferrer
Trauma Exposure Among Undergraduate Students
Sophia Duffy

Jennifer Caldwell, Katie Kennedy, Klariza Reyna, Laura Sanchez, Mariana Flores, Melanie Mojica
A Course-wide Effort to Reduce the Mis-sorting of Recyclables on Campus
Tracy Caldwell

Meagan Rosario, Jacqueline Moya
Promising Pathways Intervention: Risks and Successes
Tina Ritzler
Award Ceremony and Announcements

2020 URSCI SUMMER SCHOLAR PROGRAM (USSP) AWARDS

Jeffrey Carlson, Provost and Vice President for Academic Affairs

2020 Spring EXCELLENCE in EXPERIENTIAL LEARNING AWARDS (ExcEL)

Roberto Curci, Vice Provost for Strategic Initiatives and External Relations
Paul Simpson, Director for Civic Learning

2020 URSCI EXPO & GLS POSTER AWARD WINNERS

Marion Weedermann, Director of URSCI