

**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](https://www.dom.edu/academics/undergraduate-research/ursci-expo)**

## Contents

PROGRAM OVERVIEW.....	3
Parmer Atrium - Poster Presentations.....	5
Poster Session A   Business (MGMT 197).....	5
Poster Session B   Fashion, Italian, Nursing, History .....	7
Poster Session C   Biology, Business, Chemistry, Civic Learning, Criminology, Physics .....	8
Poster Session D   Chemistry, Philosophy, Political Science .....	9
Poster Session E   Education, English, Informatics, Psychology .....	10
Poster Session F   Fashion (Senior Thesis), Psychology.....	12
Award Ceremony and Announcements.....	14

## PROGRAM OVERVIEW

					<b>Posters</b>
	Honors Project Kathryn Brien (Psychology)	Art I Natalie Stellato  Art II Kathryn Velez	Mathematics I Mariam Atawneh, Jairo Duarte, Antonio Morales, Yesenia Soto  Mathematics II Jonathan Cruz, Francesco Greco, Charles Harmata, Ronny Rivera,	ExcEL I Stephanie Frost, Alisha Morgan	PS A  MGMT 197
	Degree with Distinction  Samantha Cummings (Psychology)	Communications I Atzel Albino  ExcEL II Maricela Mariscal, Elena Sandoval	Mathematics III Meyahueltzin Angeles, Alexander Grimm, Anusha Mody, David Silva,  Mathematics IV Arelly Castaneda, Jacob Friesen, Laura Prout, Matthew Robinson	ExcEL III Guadalupe Alvarez, Ana Cabral Gamboa, Janet Lechuga, Luisa Leon, Jorge Ramirez, Janet Recendez, Jessica Ruiz (Panel)	PS B  Fashion Italian Nursing History
	Honors Project  Claire Groppe (Fashion)	ExcEL IV Elizabeth Chavez, Kassey Franco, Karen Gallardo, Monica Lebensztejn, Elizabeth Preciado (Panel)	Computer Science I Niko Copitas, Will Dunn, Maciej Krawiec, Edith Lopez, Eric Sigaran, Karol Wszedorowski, Dawid Zabiegly  Computer Science II Marc Casanova, Justyna Lowisz, Antonio Morales, Elvia Velazquez, Erick Velazquez, Jarod Joy Villapando  Computer Science III Mohammed Alhaweal, Miguel Caballero, Frankie Greco, Erik Madrid, Dago Ramirez, Isaiah Soto, Melanie-Ann Toledo	English I Emma Bond, Anthony Diaz (Panel)  English II Shaina Warfield	PS C  Biology Business Chemistry Civic Learning (ExcEL) Criminology Physics
	Honors Project  Erienne Brit (English)	Criminology I (Willenborg) Karen Camacho, Vanessa Cardenas, Yahaira Castro, Aracely Cholula Luna, Amy Giles, Joanna Heredia, Jennifer Orozco, Giovanni Soto (Panel)	Art III Dayana Zagal  Art IV Michal Stoklosa	ExcEL V Guillermo Pizano-Nunez  ExcEL VI Timiya Ray	PS D  Chemistry Nursing Philosophy Political Science

**PROGRAM OVERVIEW (Cont.)**

					<b>Posters</b>
	Honors Project  Mikaela Webb (Nutrition)	Theology I Gabe Allori, Lucas Eggers, Vanessa Sanchez (Panel)	Study Abroad I Brittney Bastida, Chelsea Bautista, Elizabeth Chavez, Fernando Gonzalez, Lauren Johnson, Allan Nunez, Henry Olson, Silvestre Raymundo, Elena Sandoval, Klaudia Siembab, Denise Valentin, Kamilla Wielgat (Panel)	A Diverse First Year Experience  Iris Arce, Anthony Espinosa, Lizbeth Leon, Margaret Looney (Panel)	PS E  Education English Informatics Psychology
	Honors Project  Hannah Gordon (Biology)	Biology I Zahra Domin  Engineering I Meyahueltzin Angeles	ExcEL VII Caitlin Moran  ExcEL VIII Shaina Warfield	Political Science I Monica Lebensztejn  Political Science II Angel Cordero	PS F Fashion (Senior Thesis) Psychology
		<p><b>AWARD CEREMONY and ANNOUNCEMENTS</b></p> <ul style="list-style-type: none"> <li>• <b>2020 UNDERGRADUATE SUMMER SCHOLAR PROGRAM (USSP) AWARDS</b></li> <li>• <b>EXCELLENCE in EXPERIENTIAL LEARNING AWARDS (ExcEL)</b></li> <li>• <b>2020 URSCI EXPO &amp; GLS POSTER AWARDS</b></li> </ul>			

## 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\*, Crithian Duenas, Allyson K Gage**

*DUBS*

Yuanqing Li

**Karen I Soto\*, Carlo F Fontaine, Daria Twarowski, Yolanda Villa**

*G.I.F Exchange*

Yuanqing Li

**Leslie Ruvalcaba Renteria\*, Anthony Alcantara, Justin A Oquendo, Andrik M Sosa**

*Juice Box*

Yuanqing Li

**Victoria M Stankiewicz\*, Nayeli Saldivar, Sebastian Samudio, Breanna Sanchez**

*Quick Zip Clothing*

Yuanqing Li

**Kyle M Kahl\*, Sebastian Alvarez, Maxwell J Mitchell, Keegan Brandt**

*Shoe Shocker*

Yuanqing Li

**Adamaris Valentin\*, Jennifer Peralta, Dylan James Anderson, Isbhel Y Brit**

*Smart Food*

Yuanqing Li

**Anthony J Armendariz, \*Ronald J Urani, Gabrielle M Vitale**

*Shop Smart*

Derek Ruth

**Elizabeth Castro, Hannah J Figueroa, \*Erik Flores**

*Traders*

Derek Ruth

**\*Marco A D Brito, Zianna Goda, Gerardo Hernandez**

*Shock Up*

Derek Ruth

**Raghad T Benmedhayan, Kevin J Camp, Tziomara Cazares, Juan C Guzman**

*Got Your Back*

Derek Ruth

**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 Sakhari, \*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**