

Marymount University

Student Research Conference 2019

Wednesday, April 24, 2019

10:30 AM-8:30 PM

Ballston Center, Arlington, VA

Welcome to the annual Student Research Conference! Undergraduate Oral Presentations are organized into three time blocks:

UNDERGRADUATE ORAL PRESENTATIONS

Block One 10:30-11:30 am

Block Two 1:00-2:00 pm

Block Three 2:00-3:00 pm

Graduate Oral Presentations are organized into two time blocks:

GRADUATE ORAL PRESENTATIONS

Block One 6:00-7:00 pm

Block Two 7:00-8:00 pm

Oral presentations are organized into groups of three per hour/classroom, and each presenter is allotted 15 minutes for their presentation, including questions and answers.

POSTER PRESENTATIONS

Poster presenters will be accompanying their posters in the Ballston Conference Center at the following times:

Undergraduate posters 11:30-1:00 pm

Graduate posters 4:30-6:00 pm

Undergraduate posters will be on display in the Ballston Conference Center from 10:00 am-3:30 pm.

Graduate posters will be on display in the Ballston Conference Center Lobby from 10:00 am-8:30 pm. Please see pages 8-11 for a complete list of poster presenters and their projects.

Student Research Conference Schedule Overview

10:00-10:30 am: Registration
@ Ballston Conference Center, 2nd Floor

10:30-11:30 am: UG oral presentations
@Ballston Center classrooms 3010, 3018, 3026, 3034

11:30 am-1:00 pm: UG posters and lunch,
@Ballston Conference Center, 2nd Floor

Lite lunch will be served in the 2nd Floor Conference Center Lobby.

1:00-2:00 pm: UG oral presentations
@Ballston Center classrooms 3010, 3018, 3026, 3034

2:00-3:00 pm: UG oral presentations
@Ballston Center classrooms 3010, 3018, 3026, 3034

3:30 pm: Awards for UG presentations
@Ballston Conference Center, 2nd Floor

4:30-6:00 pm: Graduate posters and dinner
@Ballston Conference Center, 2nd Floor

Heavy hors d'oeuvres will be served in the 2nd Floor Conference Center Lobby.

6:00-7:00 pm: Graduate oral presentations
@Ballston Center classrooms 3010, 3018, 3026, 3034

7:00-8:00 pm: Graduate oral presentations
@Ballston Center classrooms 3010, 3018, 3026, 3034

8:30 pm Awards for Graduate presentations
@Ballston Conference Center, 2nd Floor

Block One: Undergraduate Oral Presentations, 10:30- 11:30 am

Time/Location	Presenter/Title
10:30-11:30 am Classroom 3010	<p>Thomas Copas, Marvin Mundo-Hernandez, “Doing it Yourself: Understanding Common Stock Analysis”</p> <p>Caleb Aryee, “How Amazon's HQ2 Will Affect the Prices of Rent In the DC, Maryland and Virginia Area”</p> <p>Ryan Robles, “The Growing Gaming Community: An Investigation on the Effects of an E-Sports Community in Colleges”</p>
10:30-11:30 am Classroom 3018	<p>Madeleine Raimondo, “White Supremacy and the Legacy of the Confederacy”</p> <p>Olivia Coppola, “National Parks and Native Americans”</p> <p>Bria Wearren, “Black Panther: Did They Really Do It For the Culture?”</p>
10:30-11:30 am Classroom 3026	<p>Grant Gallas, “Sei to Shi (Life and Death)”</p> <p>Elinor Thomas, “Color by Location”</p> <p>Rose Conway, “Inside the House of Usher”</p>
10:30-11:30 am Classroom 3034	<p>Brooke Hillenbrand, “Hormonal Changes in Competitive Female Bodybuilders”</p> <p>Brianna Simmons, “Stress and Connectedness to a University in African American and Caucasian College Students”</p> <p>Katherine Sanchez, “Incorporation of Haptic and Visual Feedback with Myoelectric Prosthesis”</p>

Lunch & Undergraduate Poster Session

11:30-1 pm Ballston Conference Center	Please join us for lunch and the undergraduate poster session. See pages 8-11 for a complete list of the presenters and their projects.
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Block Two: Undergraduate Oral Presentations, 1:00-2:00 pm

Time/ Location	Presenter/Title
<p>1:00-2:00 pm Classroom 3010</p>	<p>Brian Clark, Taylor Hood, Waeil Bakhsh, “<i>VOGO</i>”</p> <p>Janessa Arrington, Haya Siddiqui, Tommy Orozco, Samantha Mohen, Yohana Romero, “Crowdfunding for Children”</p> <p>Kirubel Alem, Faris Alsabi, Mohammad Alnemer, “The Learning Tree”</p>
<p>1:00-2:00 pm Classroom 3018</p>	<p>Nikki Lopez, “Young Female Sexualization in the Media”</p> <p>Rebecka Zwolinski, “America's Reaction to the Nuremberg Trial</p> <p>Noelle Larino, “Diving into Controversy: Representations of Single Motherhood and the Disruption of the Nuclear Family in <i>Mermaids</i> (1990)”</p>
<p>1:00-2:00 pm Classroom 3026</p>	<p>Madelynne DeCou, Zeyna McIlvain, “Gaining Global Perspective with Culturally Relevant Practices in a Special Education School in Panama”</p> <p>Mark Anthony Stewart, “How Chasing the American Dream can be Unattainable”</p> <p>David Donawa, “Different views of Major Themes in Ray Bradbury's <i>Fahrenheit 451</i>”</p>
<p>1:00-2:00 pm Classroom 3034</p>	<p>Monique Pauline Brown, “Preventing HIV Among Adolescents Using PrEP”</p> <p>Charlotte Hepler, “Examining Stress Levels and Management Techniques among College Students”</p> <p>Barbara Walas, “Refining Neuroscience Research Methods with Consideration for Animal Welfare”</p>

Block Three: Undergraduate Oral Presentations, 2:00-3:00 pm

Time/Location	Presenter/Title
<p>2:00-3:00 pm</p> <p>Classroom 3010</p>	<p>Michaela Ramandanes, “Incorporating Theology into the Medical Treatment of the Disabled”</p> <p>Maggie Laughlin, “Legally Blonde's skewed presentation of the female worker”</p> <p>Elena Maria Liberatore, “Secularism as Racist Oppression”</p>
<p>2:00-3:00 pm</p> <p>Classroom 3018</p>	<p>Catherine Kenol, “Linguistic and National Symbols of Japan: Impact on Communication”</p> <p>Cristiana Salazar, “Is Mental Illness and Addiction Accurately Portrayed in ‘<i>A Star is Born</i>?’”</p> <p>Valeria Perdomo, “Roma: Challenging the Latina Maid Stereotype”</p>
<p>2:00-3:00 pm</p> <p>Classroom 3026</p>	<p>Douglas Bergen, “Cardiac Autonomic and Blood Pressure Responses to an Acute Session of Battling Ropes Exercise”</p> <p>Lauren Truman, “Architectural Features and Interior Elements: Impact on Mental Health”</p> <p>Amanda Sciorillo, “DNA Methylation within Glioblastoma Tumors”</p>
<p>2:00-3:00 pm</p> <p>Classroom 3034</p>	<p>Christine Phan, “Effects of Juul Marketing: A New Era of Hooking Adolescents on Nicotine”</p> <p>Selena DanDan, “The Relationship Between the Perception of Mental Health, Ethnicity, and Culture”</p> <p>Jennifer Medrano, “Issues relating to parental refusal of childhood vaccinations”</p>

Dinner & Graduate Poster Session

<p>4:30-6:00 pm</p> <p>Ballston Conference Center</p>	<p>Please join us for dinner and the graduate poster session. See pages 8-11 for a complete list of the presenters and their projects.</p>
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Block One: Graduate Oral Presentations, 6:00-7:00 pm

Time/Location	Presenter/ Title
<p>6:00-7:00 pm</p> <p>Classroom 3010</p>	<p>Arjun Rao, “The Impact of Malware-as-a-Service and Social Engineering on Gaming Platforms: An Investigation of Steam Stealer Phishing on Steam”</p> <p>Yaffa Wagschal, “Stein Mart’s Violation of Generally Accepted Accounting Principles and Application to Business Ethics”</p> <p>Natalia Ermicioi, “Cybersecurity Applied in Non-Profits”</p>
<p>6:00-7:00 pm</p> <p>Classroom 3018</p>	<p>Hussa Almalik, “Gender Performance in Fantomina“</p> <p>Veda Frye, “Defining Black Identity through Film”</p> <p>Eunsol Lee, “The Effect of Early Physical Therapy Intervention and Harness Training on Motor Milestone Achievement in a 7-month Infant Post-stroke”</p>
<p>6:00-7:00 pm</p> <p>Classroom 3026</p>	<p>Liam T Kiernan, “Therapeutic exercise following Lumbosacral vertebral fusion to decrease pain and increase function: A Case Report”</p> <p>Ciara Petry, “Effect of KT Taping in Conjunction with Standard Physical Therapy Treatment for Chronic Achilles Tendinopathy in the Elderly: a Case Report”</p> <p>Cameron Massumi, “The Effects of a Structured and Progressive Multi-modal Exercise Erogram in a Geriatric Oncologic Patient Currently Undergoing Chemotherapy”</p>
<p>6:00-7:00 pm</p>	<p>Kerri Hough, “Impact of Core and Lumbopelvic Stabilization as an Adjunct to General Cervical Rehabilitation on Functional Status of a Patient after ACDF Procedure”</p>

Classroom 3034	<p>Carly Klemen, “Instrument Assisted Soft Tissue Mobilization as a Physical Therapy Intervention for an Adult Male with a Hamstring Muscle Strain: A Case Report”</p> <p>Elizabeth McAlister, “The Impact of Caregiver Education on Achieving the Goals of Physical Therapy for an Elderly Female with Mild Cognitive Impairment and History of Falls”</p>
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Block Two: Graduate Oral Presentations, 7:00-8:00 pm

Time/Location	Presenter/Title
7:00-8:00 pm Classroom 3010	<p>Alec Davidson, “Rethinking the Roaring Twenties: La Follette and Progressive Politics in the Election of 1924”</p> <p>Mark Robbins, “The Passion of Oroonoko”</p> <p>Ahmad Abu-Jamous, “How Fantomina Showcased Feminism through Writing”</p>
7:00-8:00 pm Classroom 3018	<p>Katherine Maloney, “The Impact of High Load Respite Care Provided in the Home for a Teenager with Chronic Disability: A Case Report”</p> <p>Maggie Eberspacher, “Sport Specific Therapeutic Exercise in Combination with Manual Therapy in the Treatment of IT Band Syndrome in a 15-year-old Gymnast”</p> <p>Geoffrey Goidell, “A Biopsychosocial Approach for Bilateral Cervical Radiculopathy and Partial Rotator Cuff Tear: A Case Report”</p>
7:00-8:00 pm Room 3026	<p>Nicolas Gay, “Applying the Multisystem Postural Control Theory to the Development of a Balance Training Program”</p> <p>Ariel Alvarez, Jessica Hacker, Jillian Henry, Elisabetta Cantatore, Amber Schmidt, “Hiding in Plain Sight? The Prevalence of Pedophilia in a College Student Sample”</p> <p>Ashley Good, “Physical Therapy Rehabilitation after Left Shoulder Arthroscopy with Subacromial Decompression and Biceps Tenodesis: a Case Report”</p>
7:00-8:00 pm	<p>Scott Keppins, “Agility Training and Reducing the Risk of Falls in the Older Adult”</p>

Room 3034	<p>Alisa Hohler, “Patient Function as an Indicator for Protocol Progression for a 49-Year-Old Male Six Months Status-Post Total Shoulder Arthroplasty”</p> <p>Taylor Wirth, “Strategies to Optimize Health Status in Complex Older Adults with Chronic Low Back Pain after Sudden Discontinuation of Physical Therapy”</p>
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Undergraduate Poster Presentations

Presenter(s)	Title of Poster Presentation
Jazmin Castro, Marvin Mundo, Thomas Copas, Kaitlyn Dey, Fahad Alomran	“Optimal Health”
Hugh Vasquez, Dina Almaari, Laith Faisal	“Blue Kayak”
Daniel Stone, Isaiah Jones, Cal Berman, Mohammed Moumenah, Rana Aleyadi	“Alpha Team”
Edward Hellmann, Alexia Escalon, Lilyvette Abreu	“Audi Restaurant”
William Clarkson, Brandon Rogers, Ashlly Chacon	“Pluto”
Nicole Klamut, Ahmed Erfan, Pimshine Bhanarai	“Student Spot and Cafe”
Brooke Hillenbrand	“F. Scott Fitzgerald’s <i>The Great Gatsby</i> : The Difference Between Print and Picture”
Ariana Sutsakhan	“Four Perspectives, One Life Story”
Vince Jones II	“ <i>Family Guy</i> : More Than a Laugh”
Josh Giardina	“Digital Approach to Poe’s Short Story ‘ <i>The Gold Bug</i> ’”
Aisha Dahir	“The Narratives Surrounding <i>The World’s Most Dangerous Place to some / Nation of Poet’s to Others</i> ”

Julia Torrico	“The Consumption of Race and Color in Anne Rice's Interview with the Vampire”
Kyla Watson	“How the Relationship between Gender and Race is Portrayed in Movies”
Jeffrey Aguilar	“How does the Media Portray the Relationship between Police Officers and Hispanics?”
Dhilanie Prabaharan	“Social Determinants of Health as related to CAD in Washington D.C.: Recommendations for a Community-Wide Health Program”
Oscar J Amurrio, Nathaniel Registe	“Expression of SCAMP in Rat Neurons and Human Breast Cancer Cells”
Mikal Fikremariam	“Exploring the Racial Gap in Breast Cancer Incidence and Mortality Rate with a Focus on African American and White American Women”
Nyasia King	“The Effect of Wearing Red on Perceptions of Attractiveness”
Eric Malani	“Manual Gross Dexterity Analysis of Four Popular Styles of Enable 3D Printed Prosthetic Hands Using The Box and Block Test”
Katharina Rebecca Tesmer	“The Relationship Between Birth Rank and Personality”
Shellee Pelayo	“Adaptable Electric Wheelchair: Using the Science of Electronics and 3D Printing”
Jaden Pardo, Evan Flesher	“Mental and Physical Responses of Using Heat or Ice For Treating Injuries and Chronic Conditions”
Regan Lohr	“Education and Support for Eating Disorders”
Brenda Lu	“Green Chemistry and Innovations in the Chemical Industry for Mitigating Climate Change”

Graduate Poster Presentations

Presenter(s)	Title of Poster Presentation
Samantha Paredes	“Physical Therapy Interventions for the Management of Plantar Fasciitis”
Laila Parhizkaran	“Effect of Overground Locomotor Gait Training and NMES to Ankle Dorsiflexors for a Patient with an Incomplete Spinal Injury”
Nhu-Phuong Duong	“Oroonoko; Or, the Royal Slave: The Good, The Bad, and the Violent”
Olivia Searle	“Applying an Eccentric Exercise Protocol to a 62 Year Old Patient with Achilles Tendinopathy”
Emily Hollomon	“Establishing a Rehabilitation Protocol to Address Cervical and Low Back Pain in a Patient with Joint Hyper-mobility Syndrome”
Abigail Katz	“The Prognosis of a Young Athlete after Anterior Shoulder Stabilization Surgery”
Alexandra Farbstein	“Using the ICF Model to Create a Physical Therapy Treatment Plan for an Obese Patient with Leg Pain and Weakness”
Tricia Goldberg, Brandon Lusk	“Giving a Leg Up to 3D Printed Prosthetics”
Michaela Bird	“Management of Central Sensitization in a Patient with Chronic Low Back Pain and Multiple Comorbidities”
Rachel Buechler	“Does Visual Therapy in Combination with Regular Vestibular Therapy in an Individual post mTBI Improve Functional Performance and Dizziness?”
Eric Steinberger	“Intensive Intervention for Gross Motor Delay in a 3 1/2 year old Female”

Brandon Carestia	“The Effectiveness of NMES on Improving Quad Strength post ACL Reconstruction”
McKenna Ostryniec	“The Effect of Multiple Comorbidities on the Outcome of Recovery post Arthroscopic Rotator Cuff Repair”
Rani-Kai Samuda-McGovern	“Effect of Physical Therapy on a Partial Proximal Short Head of the Biceps Tear”
Kiana Tarrant	“The Effect of Cervical and Postural Strengthening on Balance Dysfunction in the Botox-Induced Anterocollis Patient”
Michael Giles	“Dry Needling: Implication for use Following Rotator Cuff Repair”
Rebecca Shoemaker	“The Effects of LSVT BIG Program and Pre-Gait Training on Fall Prevention and Mobility for a Non-Ambulatory Patient with Chronic Stroke”
QuaShauna Smith	“PENS: Is it More than a "Catchy" New Box?”
Rahab Aljamil	“Single Case Research (the Effectiveness of using the Language Acquisition through Motor Planning (LAMP) Programme)”
Raghad Alagil	“Teaching English as A Second Language”