

## Twenty-First Annual Scholarship and Creative Works Conference

THIS ANNUAL CELEBRATION IS A TESTAMENT TO THE THRIVING ACADEMIC ENVIRONMENT AND VIBRANT CREATIVE COMMUNITY EXPERIENCED BY STUDENTS AT ADELPHI.



### *A Celebration of Scholarship and Creativity*

The Adelphi University Scholarship and Creative Works Conference has become an annual tradition for honoring the collaborative endeavors between our faculty and students. This year marks the 21st anniversary of the conference to celebrate the outstanding scholarship and creative works of the Adelphi community. More importantly, the Scholarship and Creative Works Conference signifies and demonstrates our strong commitment to academic excellence across disciplines.

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**Date:**                    **Tuesday, April 16**

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**Location:**              **Ruth S. Harley University Center, Level 2**

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**Time:**                    **10:00 a.m. – 6:00 p.m.**

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## Conference Committee

### Committee Co-Chairs

**Alexander Heyl**, Department of Biology  
**Wei Liu**, College of Nursing and Public Health

### Committee Members

**Charles R. Baker**, Robert B. Willumstad School of Business  
**Laura Brumariu**, Derner School of Psychology  
**Dominic Fareri**, Derner School of Psychology  
**Nathan George**, Derner School of Psychology  
**Sung Hoon Kim**, Department of Mathematics and Computer Science  
**Karolina Lempert**, Derner School of Psychology  
**David Pierce**, Department of Art and Art History  
**Matthew Wright**, Department of Physics

## Faculty Advisors

- Adelheid B. Strellick, College of Arts and Sciences  
 Adrial Lobelo, College of Nursing and Public Health  
 Alan Schoenfeld, College of Arts and Sciences  
 Alexander Heyl, College of Arts and Sciences  
 Alireza Ebrahimi, College of Arts and Sciences  
 Anagnostis Agelarakis, College of Arts and Sciences  
 Andrea Ward, College of Arts and Sciences  
 Anne Gibbone, Ruth S. Ammon College of Education and Health Sciences  
 Anthony Dotterman, College of Arts and Sciences  
 Aram Stump, College of Arts and Sciences  
 Becky Arlin, Ruth S. Ammon College of Education and Health Sciences  
 Benjamin Weeks, College of Arts and Sciences  
 Binda Godlove Aka, College of Arts and Sciences  
 Brian Stockman, College of Arts and Sciences  
 Brian Wygal, College of Arts and Sciences  
 Brittany Klein, College of Nursing and Public Health  
 Carolyn Springer, Gordon F. Derner School of Psychology  
 Carson Fox, College of Arts and Sciences  
 Chana Etengoff, Gordon F. Derner School of Psychology  
 Charles Cal, College of Nursing and Public Health  
 Cheryl Best, College of Nursing and Public Health  
 Chrisann Newransky, School of Social Work  
 Christina Marini, Gordon F. Derner School of Psychology  
 Christopher Mellor, Ruth S. Ammon College of Education and Health Sciences  
 Christopher Miles, College of Arts and Sciences  
 Cristina Zaccarini, College of Arts and Sciences  
 Damian Stanley, Gordon F. Derner School of Psychology  
 Daniel Kaplan, School of Social Work  
 Daniel Silverio, College of Arts and Sciences  
 David Pierce, College of Arts and Sciences  
 Deborah Ambrosio, College of Nursing and Public Health  
 Deborah Cooperstein, College of Arts and Sciences  
 Devin G. Thornburg, Ruth S. Ammon College of Education and Health Sciences  
 Dominic Fareri, Gordon F. Derner School of Psychology  
 Dong Wook Lee, College of Arts and Sciences  
 Dorothy Ferraro, College of Nursing and Public Health  
 Edmund J. Y. Pajarillo, College of Nursing and Public Health  
 Edward Reno, College of Arts and Sciences  
 Emilia Zarco, Ruth S. Ammon College of Education and Health Sciences  
 Errol Rodriguez, Gordon F. Derner School of Psychology  
 Eugenia Villa-Cuesta, College of Arts and Sciences  
 Felicia F. Lovaglio, College of Arts and Sciences  
 Gaston Weisz, Gordon F. Derner School of Psychology  
 Hanna Matatyaho, Ruth S. Ammon College of Education and Health Sciences  
 Heather Waters, College of Arts and Sciences  
 Ionas Sapountzis, Gordon F. Derner School of Psychology  
 Irene Auteri, College of Nursing and Public Health  
 Ivan Hyatt, College of Arts and Sciences  
 Jairo Fuertes, Gordon F. Derner School of Psychology  
 Janet Raman, College of Nursing and Public Health  
 Jan-Henry Gray, College of Arts and Sciences  
 Jason Rosas, Ruth S. Ammon College of Education and Health Sciences  
 Jennifer Chmielewski, Gordon F. Derner School of Psychology  
 Joel Weinberger, Gordon F. Derner School of Psychology  
 Jonna Coombs, College of Arts and Sciences  
 Juntack Oh, Ruth S. Ammon College of Education and Health Sciences  
 Justyna Widera-Kalinowska, College of Arts and Sciences  
 Karen Mancini, College of Nursing and Public Health  
 Katherine Fiori, Gordon F. Derner School of Psychology  
 Kathryn Krasinski, College of Arts and Sciences  
 Kees Leune, College of Arts and Sciences  
 Kelly Swartz, College of Arts and Sciences  
 Korede Yusuf, College of Nursing and Public Health  
 Laraine Wallowitz, Ruth S. Ammon College of Education and Health Sciences  
 Laura Brumariu, Gordon F. Derner School of Psychology  
 Lawrence Hobbie, College of Arts and Sciences  
 Lawrence Josephs, Gordon F. Derner School of Psychology  
 Lee Stemkoski, College of Arts and Sciences  
 Maggie Lally, College of Arts and Sciences  
 Margaret Cassidy, College of Arts and Sciences  
 Margaret Cox, College of Nursing and Public Health  
 Maria Cristina Zaccarini, College of Arts and Sciences  
 Mariano Torras, Robert B. Willumstad School of Business  
 Marie Zvosec, College of Arts and Sciences  
 Matthew Wright, College of Arts and Sciences  
 Matthias Foellmer, College of Arts and Sciences  
 Melissa Randazzo, Ruth S. Ammon College of Education and Health Sciences  
 Melissa Van Alstine Parris, College of Arts and Sciences  
 Michael Lueckheide, College of Arts and Sciences  
 Michael Moore, Gordon F. Derner School of Psychology  
 Monica Morales-Hernandez, College of Arts and Sciences  
 Murat-Sakir Erogul, Robert B. Willumstad School of Business  
 Natalia A. Prado-Oviedo, College of Arts and Sciences  
 Nathan George, Gordon F. Derner School of Psychology  
 Orion Duckstein, College of Arts and Sciences  
 Phillip Rozario, School of Social Work  
 Rachel Taniey, Ruth S. Ammon College of Education and Health Sciences  
 Rakesh Gupta, Robert B. Willumstad School of Business  
 Randy Pellew, College of Nursing and Public Health  
 Robert Bornstein, Gordon F. Derner School of Psychology  
 Robert Goldberg, Robert B. Willumstad School of Business  
 Robert Jordan, College of Arts and Sciences  
 Robert Saunders, College of Arts and Sciences  
 Roni Berger, School of Social Work  
 Sara Terrana, School of Social Work  
 Sarah Eltabib, College of Arts and Sciences  
 Shan Liu, College of Nursing and Public Health  
 Shana Caro, College of Arts and Sciences  
 Shawn Kaplan, College of Arts and Sciences  
 Sixia Chen, College of Arts and Sciences  
 Stephanie Lake, College of Arts and Sciences  
 Sukun Li, College of Arts and Sciences  
 Sung Kim, College of Arts and Sciences  
 Tandra Chakraborty, College of Arts and Sciences  
 Terrence Ross, College of Arts and Sciences  
 Won Seok Chey, Ruth S. Ammon College of Education and Health Sciences  
 Zachary Pournazari, College of Arts and Sciences  
 Zahra Sedighi-Maman, Robert B. Willumstad School of Business



## Keynote Speaker

**Nicholas Kristof**  
**Two-Time Pulitzer Prize-Winning Journalist and Author**

How good do you really have to be, to be christened the reporter's reporter...by other reporters? You have to be Nicholas Kristof – good. After working in France, Kristof began backpacking in Africa and Asia, writing articles to cover his expenses. He's lived on four continents, reported on six, and traveled to more than 150 countries. During his travels, he has caught malaria, experienced wars, confronted warlords, encountered an Indonesian mob carrying heads on pikes, and survived an African airplane crash. Kristof not only managed to survive and press on, he also won two Pulitzers in the process – advocating human rights and giving a voice, to the voiceless.

In 1990 Kristof and his wife, Sheryl WuDunn, then also a *New York Times* journalist, became the first husband-wife team to win a Pulitzer Prize for journalism for their coverage of China's Tiananmen Square democracy movement. Kristof won his second Pulitzer in 2006 for what the judges called "his graphic, deeply reported columns that, at personal risk, focused attention on genocide in Darfur and that gave voice to the voiceless in other parts of the world." Kristof and WuDunn have written five best-selling books: *Tightrope*, *Half the Sky*, *A Path Appears*, *China Wakes*, and *Thunder from the East*. Oprah Winfrey devoted two full programs to their work, and they have been on countless other television programs. *Half the Sky* and *A Path Appears* each inspired a prime-time PBS documentary series. Kristof is also the author of *Tightrope: Americans Reaching for Hope* (2020) and his newest book, a memoir scheduled to be published in May: *Chasing Hope: A Reporter's Life*.

After joining *The New York Times* in 1984, Kristof served as a correspondent in Los Angeles, Hong Kong, Beijing, and Tokyo. He has covered presidential politics, interviewed everyone from President Obama to Iranian President Ahmadinejad, and was the first blogger on The New York Times website. A documentary about him, *Reporter*, executive-produced by Ben Affleck, aired on HBO, and he has millions of followers on Twitter, Facebook and Google+. Kristof has won innumerable awards including the Dayton Literary Peace Prize, the Anne Frank Award and the Fred Cuny Award for Prevention of Armed Conflict. He also serves on the board of Harvard University and the Association of American Rhodes Scholars. He is currently a candidate for Governor of Oregon.

Jeffrey Toobin of CNN, his Harvard classmate, said of Kristof: "I'm not surprised to see him emerge as the moral conscience of our generation of journalists. I am surprised to see him as the Indiana Jones of our generation of journalists." George Clooney, said himself, that he became engaged in Sudan after reading Kristof columns, and traveled with Kristof to the fringes of Darfur – rooming with him on the floor of a cheap hotel – motivating Clooney to make this video of Kristof: <http://www.youtube.com/watch?v=agLP0hTUC9k>

## Conference Notes

### **Presentation Themes**

The presentations are organized by themes to facilitate interdisciplinary exposure and encourage students to "think outside the box". Presenting participants of this conference were grouped into sessions based on five general themes that best represent their work regardless of discipline or departmental affiliation. These general themes are (1) Social Justice, Diversity, Equity, and Inclusion, (2) Sustainability, Energy, and Environmental Issues, (3) Health and Resilience, (4) Community, and Global Issues, (5) Innovation, Communication, and Technology. Through this arrangement, we hope to organize interdisciplinary sessions that bring scholars from different fields together.

### **ePoster and Oral Presentations**

The ePoster and Oral presentations have been organized by each submission's theme. Each session of the ePoster and oral presentations has diverse speakers from different disciplines. There are 4 concurrent sessions of ePoster and oral presentations, each lasting for 55 and 45 minutes respectively. All ePoster sessions will be held in Ballrooms 201/202. For oral presentations, 6 rooms (Rooms 211-216) have been assigned to host the sessions, with 3 presenters for each room per session. Each presenter will be given 10 minutes to present along with a 5-minute Q&A session at the end of their presentation.

### **Dance Performances and Visual Arts Exhibitions**

This year's Dance performances and Visual Arts exhibitions will be taking place at Ballroom 203. Attendees can expect creative works exploring the intersections between dance and film choreography, graphic design, and documentary. For Dance performances, students will present a portion of their work for up to 10 minutes, followed by a 5-minute discussion of their creative process and a 5-minute Q&A. Visual Arts exhibitions will be showcased in the format of films and PowerPoint presentations, followed by Q&A facilitated by a faculty moderator.

### **Computer Science and Game Development Exhibitions**

Computer Science and Game Development exhibitions will be held at Room 210. Presenters at this exhibition will showcase their latest projects via live demonstrations. Therefore, attendees will have the opportunity to personally experience the latest games, software applications, and computer technology that students at Adelphi University are developing alongside the faculty. There are 3 sessions throughout the conference, each lasting for 55 minutes.

## Conference Program Overview

Time	Event	Location
10:00 am-10:30 am	Complimentary Breakfast	Ballrooms 202/203
10:30 am-11:50 pm	Faculty Panel Discussion	Ballroom 203
11:30 am - 12:00 pm	*Poster Check-in for Session 1	*Ballrooms 201/202
12:00 pm - 12:05 pm	Opening Address by President Riordan, PhD	Ballroom 203
12:05 pm - 1:00 pm	Poster Session 1	Ballrooms 201/202
12:15 pm - 1:00 pm	Oral Presentations Session 1	Rooms 211 - 216
12:05 pm - 1:00 pm	Computer Science and Game Exhibitions Session 1	Room 210
12:10 pm - 12:55 pm	Dance Performances Session 1	Ballroom 203
1:00 pm - 1:20 pm	Coffee Break (*Poster Check-in for Session 2)	Second-Floor Atrium (*Ballrooms 201/202)
1:20 pm - 2:15 pm	Poster Session 2	Ballrooms 201/202
1:30 pm - 2:15 pm	Oral Presentations Session 2	Rooms 211 - 216
1:20 pm - 2:15 pm	Computer Science and Game Exhibitions Session 2	Room 210
1:20 pm - 2:05 pm	Dance Performances Session 2	Ballroom 203
2:15 pm - 2:30 pm	Snack Break (*Poster Check-in for Session 3)	Second-Floor Atrium (*Ballrooms 201/202)
2:30 pm - 3:30 pm	Keynote Presentation by Mr. Nicholas Kristof	Ballroom 203
3:30 pm - 4:00 pm	Snack Break (*Poster Check-in for Session 4)	Second-Floor Atrium (*Ballrooms 201/202)
4:00 pm - 4:55 pm	Poster Session 3	Ballrooms 201/202
4:00 pm - 4:45 pm	Oral Presentations Session 3	Rooms 211 - 216
4:00 pm - 4:55 pm	Computer Science and Game Exhibitions Session 3	Room 210
4:00 pm - 4:55 pm	Visual Arts Exhibitions Session 1	Ballroom 203
5:00 pm - 5:55 pm	Poster Session 4	Ballrooms 201/202
5:00 pm - 5:45 pm	Oral Presentations Session 4	Rooms 211 - 216

5:00 pm - 5:30 pm

Visual Arts Exhibitions Session 2

Ballroom 203

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\*Note that ePoster presenters can check-in at the allocated time above to ensure that their posters are displaying properly on the ePoster screens.



## Dance Performances

<b>Session 1 – 12:10 pm to 12:55 pm</b>		
<i>Ballroom 203</i>		
<b>Performer/Presenter</b>	<b>Title</b>	<b>Slot Time</b>
Kennedy Berthiaume	The Art of Dance Filmmaking... and Its Constraints: Complex Dynamics and Evolving Significance of This Hybrid Art Form	12:10 PM
Alena De Leon	Acknowledging who I am: Imposter syndrome in students	12:25 PM
Alena De Leon	Enriching dance vocabulary: what does it mean to showcase Latino culture through dance	12:40 PM

<b>Session 2 – 1:20 pm to 2:05 pm</b>		
<i>Ballroom 203</i>		
<b>Performer/Presenter</b>	<b>Title</b>	<b>Slot Time</b>
Julia Lawton	Navigating Legacy in 21st Century Modern Dance	1:20 PM
Sophia Minich	Code Adam: Finding a Voice in the Silence through Movement	1:35 PM
Clara Ossandón Melo	“Dance as Political Expression: A Poetic Act That Links, Heals, and Unites That Which Was Separated”	1:50 PM

## Visual Arts Exhibitions

<b>Session 1 – 4:00 pm to 4:55 pm</b> <i>Ballroom 203</i>		
<b>Presenter</b>	<b>Title</b>	<b>Slot Time</b>
Nathalia Lawrence	Nathalia's piece	4:00 PM
Justin Kresse	Serif Typeface Design with Focus on Legibility, Readability, and Elegance	4:15 PM
Melitta Deljanin	Pareidolia: How Music and Patterns Demonstrate Our Capacity for Empathy	4:30 PM

<b>Session 2 – 5:00 pm to 5:30 pm</b> <i>Ballroom 203</i>		
<b>Presenter</b>	<b>Title</b>	<b>Slot Time</b>
Gabbie Banton	Absence of Color	5:00 PM
Emilia Matarrese	Back the Students not the Second	

## Computer Science and Game Development Exhibitions

### Computer Session 1 – 12:05 pm to 1:00 pm

Room 210

Presenter(s)	Title
Carl Burns, Krist Gjoni	Higher or Lower Game
Norah Curran	"I Am A Website": Human/Computer Cognition & Intersubjectivity Through Interaction
Darwing Delva, Jayden Shepherd	Personalized Fitness Generator
Angie Diaz, Tony Nguyen, Jeremy Rubenstein	Dynamic Duo
Larry Moreno, Collin Heaney, Tyler David, Joshua Philip	Lethal Legends: Digital Duel

### Computer Session 2 – 1:20 pm to 2:15 pm

Room 210

Presenter(s)	Title
Rousseau Francois	Super Death Boy
Ralph Garcia	Dead Man's Run
John Giampapa, Joseph Kiesche, Devin Szpilka	PartyPal
Adis Kolenovic, Dagvadorj Mendsaikhan, Lloyd Empedrado	The Panther Advisor
Nicholas Ortiz	Construct 3- Pushing Engine Limits

**Computer Session 3 – 4:00 pm to 4:55 pm**

*Room 210*

Presenter(s)	Title
Bo Nappie, Giovanni Joseph, Martin Genao	Woof
Alex Pinzon, Carlos Acosta, Michael Kelly	Off-Campus Companions
Sabawoon Popal, Kyle Sinclair	RecruitU
Jordan Rivas, Derek Feliu, Kennie Dionisio, Kaleb Gailyard	Eternal Guardian
Asma Rafi, Mohammad Abdullah	TutorLink

## Oral Presentation Schedule

### Oral Presentation Session 1 (12:15 pm - 1:00 pm)

Themes: Health and Resilience (Rms 211 & 212); Innovation, Communication, and Technology (Rm 213); Social Justice, Diversity, Equity, and Inclusion (Rm 214); Community and Global Issues (Rm 215); Sustainability, Energy, and Environmental Issues (Rm 216)

Presenter(s)	Title	Room	Slot time
Jennifer Gregory	Using Genome Wide Analysis to Investigate Genetic Predispositions to Hyperprolactinemia in Female African Elephants ( <i>Loxodonta africana</i> ) in U.S. Zoos	211	12:15pm
Kezia Kelly	Design and synthesis of uridine-specific nucleoside hydrolase and adenosine/guanosine nucleoside hydrolase (AGNH) inhibitors for Trichomoniasis	211	12:30pm
Emily Murdakhayev	The Effect of Rapamycin on the Glutamate Concentration	211	12:45pm
Gursimran Singh	Optimization of UNH Inhibitors via Phenyl Pyrrolidinol and Pyridyl Pyrrolidinol Derivatives: A Novel Approach to Mitigate Trichomoniasis	212	12:15pm
Ijeoma Akusobi	Impact of Abortion Ban in the United States	212	12:30pm
Norlito Bunal	Does PSA screening cause more harm than benefit?	212	12:45pm
Angel Bajracharya	An Introduction to Applied Quantum Computing	213	12:15pm
Christopher Benson	Automated Enterprise Cyber Threat Modeling	213	12:30pm

**Oral Presentation Session 1 (12:15 pm - 1:00 pm)**

Themes: Health and Resilience (Rms 211 & 212); Innovation, Communication, and Technology (Rm 213); Social Justice, Diversity, Equity, and Inclusion (Rm 214); Community and Global Issues (Rm 215); Sustainability, Energy, and Environmental Issues (Rm 216)

Presenter(s)	Title	Room	Slot time
Nicole Koulta	The Synthesis of Silver (I) Oximates for Antibacterial Dental Composites	213	12:45pm
Ash Carter	Racial Prejudice and Livelihood	214	12:15pm
Ryan Mijumbi	A Multi-Year Exploratory Analysis on the Intersectional Identities of Asexual Christians	214	12:30pm
Ryan Meurlin	Exploring the Educational Implications of Audience-Specific Motivation	214	12:45pm
Joseph D'Andrea	Frank Capra, the Great Depression, and the Fallacy of the American Dream	215	12:15pm
Bradley Greissman	The U.S. Conservative Movement Split	215	12:30pm
MacKenzie Pina	Analysis of the Late Pleistocene Hearth Remains from Central Alaska	215	12:45pm
Aaron Comerford	Reproductive Senescence in African and Asian Elephants	216	12:30pm
Tiffany Deramos, Dianne Doytchinov, Michelle Yusupov	The effects of incline on the terrestrial locomotion in limb reduced elongate salamander ( <i>Amphiuma means</i> ) across different substrates	216	12:45pm

**Oral Presentation Session 2 (1:30 pm - 2:15 pm)**

Themes: Health and Resilience (Rms 211 & 212); Innovation, Communication, and Technology (Rm 213); Social Justice, Diversity, Equity, and Inclusion (Rm 214); Community and Global Issues (Rm 215); Others (Rm 216)

Presenter(s)	Title	Room	Slot time
Tjada Garvin	Analyzing Sarcoidosis and Its Treatments	211	1:30pm
Pamela Hossein	Yoga & Complementary and Alternative Medicine in the Management of Hypertension	211	1:45pm
Madison Marchese	Health Care Across the Globe: Methods and Ideas for a Better Healthcare System	211	2:00pm
Maneeth Mylavarapu	Study Life Balance among Indian Medical Students and Graduates: A Cross-Sectional Study	212	1:30pm
Olga Rakhmanova	Bladder Cancer	212	1:45pm
Luisa Remponi	Improving Unit-Based Council (UBC) Using the Fostering Leadership, Innovations, and Growth through Healthcare Teams (FLIGHT) Model, an Enhanced Shared Governance (SG) Framework.	212	2:00pm
Timothy Kravets, Muneera Chowdhury, Aditya Shunmugham, Japjot Singh, Jayden Nelson	Student uniqueness and creativity in problem solving versus generic generative AI: A case of programming problem solving	213	1:30pm
James Meurer	Balancing Act: Unveiling the Pros and Cons of AI in CyberSecurity.	213	1:45pm

**Oral Presentation Session 2 (1:30 pm - 2:15 pm)**

Themes: Health and Resilience (Rms 211 & 212); Innovation, Communication, and Technology (Rm 213); Social Justice, Diversity, Equity, and Inclusion (Rm 214); Community and Global Issues (Rm 215); Others (Rm 216)

Presenter(s)	Title	Room	Slot time
Ashley Peralta	Best Practices for Managing Privacy and Security of Cloud-based Student Data in Primary and Secondary Education	213	2:00pm
Katelyn Austin	Comparing Styles of Undergraduate Music Programs	214	1:30pm
Ryan Hughes	The Exploitation of a Continent: A Case Study on the Impact of Exploitation on Economic Development	214	1:45pm
Jenna Masci	America Incarcerated: A Study of Programs that Reduce Recidivism Rates	214	2:00pm
Zelden St Surin	Andean Bear Cub Weaning Physiology	215	1:30pm
Tasleema Ahmadi	Strategies To Enhance Health Promotion Against Drug Abuse In Teenagers	215	1:45pm
Amber Wilkins	The Commodification of Black American Trauma in Business, Media, and Politics	215	2:00pm
Gabriela Castillo	The eye structure of jumping spiders and its influence in complex hunting behavior	216	1:30pm
Matthew Adam Klepadlo	Stars in non-Euclidean Geometry	216	1:45pm



**Oral Presentation Session 2 (1:30 pm - 2:15 pm)**

Themes: Health and Resilience (Rms 211 & 212); Innovation, Communication, and Technology (Rm 213); Social Justice, Diversity, Equity, and Inclusion (Rm 214); Community and Global Issues (Rm 215); Others (Rm 216)

Presenter(s)	Title	Room	Slot time
Rudy Mejia	Synthesizing benzimidazole derivatives as inhibitors for AGNH against the parasite <i>Trichomonas vaginalis</i>	216	2:00pm

**Oral Presentation Session 3 (4:00 pm – 4:45 pm)**

Themes: Health and Resilience (Rms 211 & 212); Innovation, Communication, and Technology (Rms 213 & 216); Social Justice, Diversity, Equity, and Inclusion (Rm 214); Community and Global Issues (Rm 215); Sustainability, Energy, and Environmental Issues (Rm 216)

Presenter(s)	Title	Room	Slot time
Gianna Ferraro	Parent Divorce and Offspring Insecure Attachment	211	4:00pm
Camila Restrepo	The Influence of Language in Starting Psychotherapy Treatment	211	4:15pm
Katelyn Triolo	Examining the effects of social rejection on social valuation	211	4:30pm
Holly Bricault	The effect of resilience in pediatric oncology of childhood cancer: A literature review	212	4:00pm
Khushi Kumar	The Impact of a Nurse’s Cultural Humility on Patients’ Pain Management	212	4:15pm
Erika Lopez	Introgressed <i>Drosophila simulans</i> mtDNA into <i>Drosophila melanogaster</i> gls Mutants	212	4:30pm
Julia Spagnuolo	The Subconscious Mind in relation to Artworks and the Artistic Process	213	4:00pm
Arfan Rasheed	Zero-Knowledge Proofs in Web and Mobile Applications	213	4:15pm

### Oral Presentation Session 3 (4:00 pm – 4:45 pm)

Themes: Health and Resilience (Rms 211 & 212); Innovation, Communication, and Technology (Rms 213 & 216); Social Justice, Diversity, Equity, and Inclusion (Rm 214); Community and Global Issues (Rm 215); Sustainability, Energy, and Environmental Issues (Rm 216)

Presenter(s)	Title	Room	Slot time
Natalie Thomas, Elona Muja	Singing into Code: Enhancing Programming Learning and Retention through Vocal Integration	213	4:30pm
Antonio Ruiz	Modern Construct of Ancient Truth: The Marian Reforms	214	4:00pm
Katelyn Schwab, Irene Yannios, Emily Luong	From Laws to Lives: Unveiling the Diverse Effects of Political Actions on LGBTQ+ Individuals	214	4:15pm
Raechel Park	The Correlation Between Anxiety & Childhood Trauma (Bullying) in Emerging Adulthood	215	4:00pm
Elizabeth Bavaro	Spiritual Doubt in the Ironic Fiction of Japanese Catholic Writers	215	4:15pm
Katherine Beaudet	The Advantages of Foreign Language Study in the Field of International Relations: A comparative study of foreign language study in the United States, Russia, France and Colombia	215	4:30pm
Joshuah Tavarez	C(sp <sup>3</sup> ) – C(sp <sup>3</sup> ) Bond Formations and Macrocyclizations via Hypervalent Iodine Reagents	216	4:00pm
Kyana Gordon	An evolutionary analysis: The intersection between plant hormones, algae, and DNA	216	4:15pm

**Oral Presentation Session 3 (4:00 pm – 4:45 pm)**

Themes: Health and Resilience (Rms 211 & 212); Innovation, Communication, and Technology (Rms 213 & 216); Social Justice, Diversity, Equity, and Inclusion (Rm 214); Community and Global Issues (Rm 215); Sustainability, Energy, and Environmental Issues (Rm 216)

Presenter(s)	Title	Room	Slot time
Miriam Yushavaiev	Role of substrate in terrestrial locomotion in young American eels	216	4:30pm

**Oral Presentation Session 4 (5:00 pm - 5:45 pm)**

Themes: Health and Resilience (Rms 211 & 212); Innovation, Communication, and Technology (Rms 212 & 213 & 215); Social Justice, Diversity, Equity, and Inclusion (Rm 214), Others (Rm 216)

Presenter(s)	Title	Room	Slot time
Sara Anzalone	Body Positivity And Dietary Practices of Young Adults	211	5:00pm
Derek Harmsworth	The differences in anxiety levels among college students who play individual sports versus team sports	211	5:15pm
Katherine Yeung	Personalized Treatment Plans for Improved Outcomes in Diabetes Based on Cultural Differences	211	5:30pm
Fariha Kabir, Christi Saji, Lissa Boileau	Exploring the Efficacy of Ketamine in the Treatment of Depression	212	5:00pm
Jane Nwankwo, Myrline Charles	The Benefit of Technology in Modern Medicine	212	5:15pm
Nhat Truong	Enhancing Transparency in AI: Unveiling the Black Box Using EEG Signals for Interpretable Machine Learning	213	5:00pm
Gina Kurian	The Difficulties and the Promise of Media Literacy in K-12 Education	213	5:15pm
Francesca Bryan	Examination of the Impact of Student-Teacher Rapport on the Academic Performance of the High School Student: A Multiple Case Study	213	5:30pm

**Oral Presentation Session 4 (5:00 pm - 5:45 pm)**

Themes: Health and Resilience (Rms 211 & 212); Innovation, Communication, and Technology (Rms 212 & 213 & 215); Social Justice, Diversity, Equity, and Inclusion (Rm 214), Others (Rm 216)

Presenter(s)	Title	Room	Slot time
Paul Santangelo	Effectiveness of a Vigorous Exercise Program to Improve Behaviors for Elementary Students Diagnosed with ADHD	214	5:00pm
Roberto Araujo	Policy Analysis: New York State Mental Health Law §9.60	214	5:15pm
Abigail McKeon	How does Guilty Until Proven Innocent, And All That and contemporary teenage detective fiction advance the Golden Age Detective Fiction genre of the 1920s and 1930s?	215	5:00pm
Bianca Zarnighian	Does Visual Imagery Lessen Students' Anxieties in the Mathematics Secondary Classroom?	215	5:15pm
Ashley Zingale	Process Mapping in the American Catering Industry	215	5:30pm
Katherine Ackley	A Merger Acquisition Analysis	216	5:00pm
Lisandro Torras	Methods of Corruption in the Rouen Trial of Jeanne d'Arc	216	5:15pm
Zachary Zeller	They're Lovin' It: How China and Japan Turned American Fast Food Into Global Phenomena	216	5:30pm

## Poster Session Schedule

### Poster Session 1 – 12:05 pm to 1:00 pm, Ballroom 201-202

Themes: Community and Global Issues; Innovation, Communication, and Technology; Sustainability, Energy, and Environmental Issues; and Others

Poster #	Presenters	Submission Title
1	Lila Ariste, Kelvin Abraham	The Legacy of Colonialism in Indian Healthcare: Uncovering the Historical Foundations and the Current Challenges of Nursing
2	Joacim Carhed	From Civil to Administrative: The Evolution of Bureaucracy in Post-Partition India
3	Michelle Sarker, Carolina Chaves	Greening Goa: Crafting an Ecotourism Marketing Plan with a Post-Colonial Perspective
4	Vaishnavi Dixit	Impact of Colonization on Religious Violence in India: A Historical Analysis
5	Khamkay Inthavong	Empowering Women through Self-Help Groups: An Intersectional Analysis of the Deendayal Antyodaya Yojana-National Rural Livelihood Mission (DAYNRLM)
6	Alexandra Lee	How Gandhi's Nonviolent Resistance Informed Subsequent Efforts of Nonviolent Resistance
7	Anna Varveris	How India Became Binary: Hijras in Text and Images from Colonial to Contemporary Society
8	Elizabeth Shein, B.A., Emily Fox, Rachel Needell, Jennifer Sawicki	School-Based Mental Health Services (SBMHS): What Are They and How Effective Are They in Helping Children and Adolescents with Mental Health Struggles?
9	Alberto Ahumada	COVID and its Effects on the Education of Nurses.
10	Rudderline Cazi, Anohki Bafna, Nathalia Aguilera	Parental Agency and Stress in parents of children diagnosed with Autism Spectrum Disorder

**Poster Session 1 – 12:05 pm to 1:00 pm, Ballroom 201-202**

Themes: Community and Global Issues; Innovation, Communication, and Technology; Sustainability, Energy, and Environmental Issues; and Others

Poster #	Presenters	Submission Title
11	Erin Angotta	Telehealth: Role in Mental Health Treatment
12	Amit Joseph Azizian	The Chirper
13	Gianna Castagna	Core Practices Using Technology in Physical Education
14	Julianna Decker, Elina Abayeva, Emily Diproperzio	Science Heros and Science Videos
15	Destiny DeLaCruz, Emily Luong	Zooming In: Evaluating the Educational and Social Impact of Virtual Classrooms on College Students
16	Jacob Frey	Exploring the potential of Artificial Intelligence in music-emotion recognition
17	Luis Garcia	The effect of lexicalization biases on cross- situational statistical learning of novel verbs
18	Laszlo Goch	Data Migration in Large-Scale Storage Systems with Varying File Sizes
19	Rodrigo Henriquez	The Role of Malware in Human Trafficking
20	Kelly Andreuzzi	Case Study: The effects of Community Led Removals on Invasive Species Populations
21	Destiny Arevalo	"House Sparrows: Is olfaction used during foraging?"
22	Rhea Dewal, Shelly Gulkarov	Heavy Metal Resistance and Biofilm Formation in Salt Marsh Bacteria
23	Stephanie Geborde, Lauren Sinaiski	Patterning of the Abdominal Viscera in Elongate Fishes
24	Matthew Lucero Rodriguez, Eric Finkelstein, Pixci Ampofo	Progress Towards A New Synthesis Of $\alpha,\alpha$ -Difluoroacetonitriles



**Poster Session 1 – 12:05 pm to 1:00 pm, Ballroom 201-202**

Themes: Community and Global Issues; Innovation, Communication, and Technology; Sustainability, Energy, and Environmental Issues; and Others

Poster #	Presenters	Submission Title
25	Tasneem Alam	Abstract Visual Stimuli on Risky Decision-Making
26	Ava Azueta	The Influence of American Politics on Music Education
27	Lillian Barber	Determining stratigraphic integrity of a 14,000 year old archaeological site through lithic refit analysis
28	Daniela Barrera Velasquez	An Autoethnography on the Therapeutic Benefits of Music in a Chorale Setting
29	Gurpreet Kaur	Enhancing Nurses' Knowledge in Heart Failure Management: A Quality Improvement Project in a Skilled Nursing Care Facility
30	Kylie Goldade, Victoria Wynter, Jason Bier	Social Outreach through Adelphi University's Physics Department
31	Edward Jansen	Predicting Superconductivity via Machine Learning Methods
32	Kaylene Koelle	The Effects of Parentification on Parental Attitudes and Beliefs
33	Leah Lavoie	The Role of Sensation-Seeking Traits in Risky Economic Decision-making
34	Natalia Leszczak	Unraveling Love Addiction: A Multivariate Study Exploring the Intersection of Love Addicts and Other Mental Disorders

**Poster Session 2 – 1:20 pm to 2:15 pm, Ballroom 201-202**

Themes: Health and Resilience; Social Justice, Diversity, Equity, and Inclusion

Poster #	Presenters	Submission Title
1	Julissa Adames-Torres	Predictors of the Use of Mental Health Services among Dominican Immigrants in the US
2	Bianca Almonte	A Gendered Analysis of the Implications of Masculinity and Femininity Ideologies for Young People’s Sexual Agency
3	Jaylene Aponte	The Impact of Adverse Childhood Experiences on Well-being
4	Nancy Arriola, Maha Elcharfa, Seyna Fiawoo, Yotanda Edmund	Investigating CAPD: A Comparative Analysis of MMN Detection in Different Sound Conditions: A Pilot Study
5	Mei Asakawa	Loneliness as a predictor of mood reactivity and pessimism
6	Kayla Asherian	Perinatal Mood Disorders and Appropriate Treatment Modalities
7	Susan Avezov	Sleep Disturbance: Insomnia
8	Julia Barbieri, Ashley Gomez, Andrew Cassar, Jaime Daniello, Alyssa Goldson	Big injuries vs. Short-staffed
9	Averyl Bolles	Influence of Attachment style, Communication Pattern, Trust, Self-Disclosure and Vulnerability on romantic and intimate relationships
10	Krystle Callan	Safe Injection Site Debate

**Poster Session 2 – 1:20 pm to 2:15 pm, Ballroom 201-202**

Themes: Health and Resilience; Social Justice, Diversity, Equity, and Inclusion

Poster #	Presenters	Submission Title
11	Madison Castelli, Alex Campbell, Joan Cheng, Olivia G Esposito, Gianna M Ferraro, Dominique R Fiorenza, Janet Fuentes, Aidan P Gold, Mia Kennedy, Claire E O'Regan, Jillian A Pulsifer, Meli Rappaport, Hope R Rodriguez, Yancy L Saravia, Madea E Tanushi, Angelina Uzsoras	Abstract Minds: Student Projects from Practicum in Experimental Psychology (398-004) SPRING 2024
12	Ashley Chin	Understanding and Preventing Compassion Fatigue and Burnout in Nurses
13	Chandni Dave	Exploring the pVHL regulation of the $\alpha 5$ integrin by the Endocytic Pathway
14	Marc A. Di Leo	Sister Callista Roy's Adaptation Model
15	Daniel Esposito	Reducing the consumption of added sugar among adolescents in Nassau County, Long Island
16	Reece Farrow	Effort-Based Decision Making Between Student-Athletes and Non-Student
17	Gina Fries	An Increased Understanding of Destructive Leadership Styles and How They Contribute to a Toxic Work Environment and Employee Burnout
18	Sarah Joy Gallardo, Carmen Lima	Associations between amygdala connectivity at rest and loss aversion in social contexts
19	Shayne Georges	Stress and Mental Health
20	Anthony Gioletti	Online Help-Seeking and Mental Well-Being
21	Alanna Holmes	Cognitive Profiles of Board Game Players

**Poster Session 2 – 1:20 pm to 2:15 pm, Ballroom 201-202**

Themes: Health and Resilience; Social Justice, Diversity, Equity, and Inclusion

Poster #	Presenters	Submission Title
22	Zoe Hosten-Broadwater	Method Matters: Convergences and Divergences Between Self-Report and Performance-Based Dependency Scores
23	Komilakhon Ibrokhimova	Drosophila melanogaster as model organisms for studying the effects of anesthesia on humans
24	Rachel Jeon	Impact of Probiotics on Oral Health
25	Peyton DeRouen	Art and the Law. The British Museum The Elusive White-Collar Criminal
26	Benjamin Klass, Maitri Kiritkumar Joshi	Ashwagandha, an Herbal Product Used as a Neuroprotective Agent
27	Christina Korotki	Does Social Play Encourage Cognitive Stay?
28	Yuanruo Xu, Han Wang	Exploring Emotional Experiences in Children with Cerebral Palsy through the House-Tree-Person Projective Test Approach
29	Michael Blecher, Julissa Adames-Torres	The Next Stage for FQHCs: Certified Community Behavioral Health Clinics
30	Christina DeLuca	Examining the relationship between gender bias and juror decisions
31	Melissa Garber	Theatre as an Intervention Against Autism Stigma: Broadway's How to Dance in Ohio
32	Salvatore Jones	An Autoethnography on Testosterone Replacement Therapy and Singing
33	Tremaine Laracuente	Domestic Violence: A Critical Review of the Violence Against Women's Act 1994

**Poster Session 2 – 1:20 pm to 2:15 pm, Ballroom 201-202**

Themes: Health and Resilience; Social Justice, Diversity, Equity, and Inclusion

Poster #	Presenters	Submission Title
34	Sarah Liberti	Recommendations for humanizing people in mental health crisis

**Poster Session 3 – 4:00 pm to 4:55 pm, Ballroom 201-202**

Themes: Community and Global Issues; Innovation, Communication, and Technology; Sustainability, Energy, and Environmental Issues; and Others

Poster #	Presenters	Submission Title
1	Samantha D'Antonio, Gabriela Artiga-Perez, John O'Shea, Ryan Eisner	Burnout and Interactions
3	Purna Chandrika Reddy Donthireddy	Bilinguals and Emotions
4	Callum Ferguson	Universal Basic Income for Successfully Combating "Inflation"
5	Yujie Zhang	Code-switching in Chinese-English Bilinguals
6	Ashley Kreth, Max Polonsky, Kaitlin Abraham	Carbon – Carbon Bond Forming Reactions Using Hypervalent Iodine Reagents
7	Keara Malazarte	Collective-decision Making in Superorganisms as a Model for Neural Pathways
8	Liam McCluney	Using Pulsed Lasers to Explore Quantum Beating in Multilevel Systems
*9	Danielle Lawrence	What's Left?
10	Adam Niyazov	Green Signals: Unleashing Plant Potential Through Cytokinin Signaling
11	John Perez	AUTF Mobile
12	Hung Phan	Enhancing Corporate Credit Rating Prediction: Interpretable Models Using Shapley Values
13	Julianna Decker, Emily Diproperzio	The Prime Method and Representational Competence
14	Matthew Ramnarace, Justin Torres	Cybersecurity Gap Analysis for Organizations

**Poster Session 3 – 4:00 pm to 4:55 pm, Ballroom 201-202**

Themes: Community and Global Issues; Innovation, Communication, and Technology; Sustainability, Energy, and Environmental Issues; and Others

Poster #	Presenters	Submission Title
15	Giulliana Segovia Bendeck	Precarious Work and The Digital Divide: The Lives of Hispanic Service Workers at Adelphi University
16	Nino Tchavtchanidze	Creating Art with Pigmented Bacteria
18	Li Xie	Barriers to NP Practices
19	Noel Manalil, Eren Sonmez, Geetika Sewani	Optimization of Na <sup>+</sup> ion doped Cadmium Selenide Semiconducting Thin Films Using an AI/ML Model
20	Shanya Morisseau	Bird Foraging Behavior in the Anthropocene
21	Faria Rahman Oyshi	PEC – solar fuel production
22	Geetika Sewani	Energy-Efficient Wastewater Treatment: Can we clean water with novel composite materials and solar energy?
23	Syeda Shobnam, Patrick Starmach, Faria Oyshi	Optimizing semiconductor solar cells using machine learning model.
24	Carmen Lima, Sarah Joy Gallardo	Neurocomputational Mechanisms Underlying Risky Choice
25	Jessica Larkin	Exploring Zollinger- Ellison Syndrome
26	Pallavi	Elucidating Signaling pathway of a novel hormone receptor CHARK, using the yeast two-hybrid system
27	Kinshu Patel	Unveiling Cryptic Plasmid Diversity Through Molecular Analysis and Characterization
29	Laila Roman, Bhuran Khan	Synthesis of (Arylsulfonyl)methyl(phenyl)iodonium Triflates and Derivatives
30	Jillian Sigona, Adam Ayroso, Julia Jinu, Aysha Kee, Meranda Soliman	The Effect of Teaching Learning Strategies to Students in Introductory Biology

**Poster Session 3 – 4:00 pm to 4:55 pm, Ballroom 201-202**

Themes: Community and Global Issues; Innovation, Communication, and Technology; Sustainability, Energy, and Environmental Issues; and Others

Poster #	Presenters	Submission Title
31	Chelsa Susan Sunny	Cloning and characterization of B-type transcription factors in <i>Physcomitrium patens</i> to unveil the evolutionary dynamics of signaling pathways <sup>3</sup>
32	Feyza Urer	Deconstructing Detachment: Contrasting Trait Profiles in Community Adults with Schizoid Versus Avoidant Personality Styles
33	Melanie Velez	An Examination of Faculty Socialization and Program Implementation of Teaching Styles
34	Ran Xu	Interpersonal Emotion Regulation and BPD Features in Romantic Relationships

\* Visual display of artwork on a physical poster with an easel setup.



**Poster Session 4 – 5:00 pm to 5:55 pm, Ballroom 201-202**

Themes: Health and Resilience; Social Justice, Diversity, Equity, and Inclusion

Poster #	Presenters	Submission Title
1	Amy McCaffrey	Exploring Perceptions of Resilience in Immigrant and Non-Immigrant Families: A Comparative Analysis
2	Ashley Marinello	Lyme Disease
3	Samantha Meehan, Anna Hollywood	Synthesis and Stabilization of Spirolactams
4	Travis Nair, Anokhi Bafna	Disorganization and Controlling Behaviors in Young Adulthood: Relations with Adversity, Parentification, and Psychological Adjustment.
5	Celine Paliakkara, Melanie Moreira	Traditional herbal product, Shankhapushpi, as a neuroprotective agent
6	Alexandra Pappas	Valvular heart disease
7	Haeji Park	Falls in the Elderly: A Registered Nurse's Role in Assessment and Management
8	Michaela Pereira, Matthew Guele, Sebastian Romero, Gabriella Natale	Infection Control Nurses and Hospital Acquired Infections
9	Yaffa Reichwald	Perceptions of The Effects of Electronic vs. Non-Electronic Toys on Cognitive Development During Early Childhood
10	Allison Reyes Gutierrez	Flying Beyond: Modeling Rapamycin Resistance Development on Fruit Flies
11	Natalia Roberts, Hema Tajram	Early ambulation in post-Operative Patients
12	Michael Rodriguez	Effects of Distance Learning and Returning to a Sense of Normalcy: Beyond the COVID-19 Pandemic
13	Meaghan Rogan	The Impact of Social Media on a College Student's Individual Activity Level

**Poster Session 4 – 5:00 pm to 5:55 pm, Ballroom 201-202**

Themes: Health and Resilience; Social Justice, Diversity, Equity, and Inclusion

Poster #	Presenters	Submission Title
14	Sophia Scarpa, Nathalia Ayala Aguilera, Anokhi Bafna	Reflective Functioning in Parents of Children Experiencing an Autism Spectrum Disorder
15	Samuel Sey	The Effects of LDH Inhibition on VHL-negative and VHL-positive 786-O cells
16	Eren Sonmez, Kevin Carratu	Neurotoxic effects of pyrethroid class pesticides on <i>C. elegans</i> and associated soil microbiota
17	Dawn Tortora	The Relationship Between Health Behaviors and Depressive Symptoms Among Older Adults During the COVID-19 Pandemic
18	Taylor McCarty	Acquired Immunodeficiency Syndrome
19	Jalissa Warthen	Peptide sequences for selectively targeting delivery vehicles to <i>Trichomonas vaginalis</i>
20	Kelis White	The Impact of Predation on Stress & Chicken Eggs
21	Fan Wu	Pelvic Inflammatory Disease
22	Summer Yang, Alexandra Castagna, Rachel Amirova	Design of Pyrimidine-Specific Inhibitors Targeting the UNH Pathway in <i>Trichomonas vaginalis</i>
23	Angie Zamora	Integrating Implicit and Explicit Measures in Assessing Depression and Behavior
24	Mikel Zotka	Effects of Growth in Baby Food and its Impact on Antibiotic Resistance in Gut Microbiota Species
25	Emily Hang Luong	White-Asians Invisibility and Oppression during COVID-19
26	Luca Mancuso	Cut Fascism Off by the Head

**Poster Session 4 – 5:00 pm to 5:55 pm, Ballroom 201-202**

Themes: Health and Resilience; Social Justice, Diversity, Equity, and Inclusion

Poster #	Presenters	Submission Title
27	Marcella Pizzo, Sara Terrana	Leading Against the Odds: Experiences of Women of Color as Social Work Leaders in Human Service Organizations
28	Alyssa Rashid	Identifying The Best Multilingual Practices To Incorporate Into Mathematics Classrooms
29	Yuanruo Xu, Han Wang	Cultural Context, Cultural Identity, and Performance Outcome: A Mixed Methods Study of Chinese International Students in North America