

Twenty-Second 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 22nd 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.

Date: **Thursday, April 24**

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

Time: **9:00 a.m. – 4:15 p.m.**

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Conference Committee

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College of Nursing and Public Health

Karolina M. Lempert

Gordon F. Derner School of Psychology

Committee Members

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Accounting and Law, Robert B. Willumstad School of Business

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Communications, College of Arts and Sciences

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Dominic Fareri

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Dawn Grzan

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Political Science and International Relations, College of Arts and Sciences

Laura Mroz

Office of University Communications and Marketing

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Art and Art History, College of Arts and Sciences

Matthew J. Wright

Physics, College of Arts and Sciences

Faculty Advisors

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 Alan H. Cooper, Robert B. Willumstad School of Business
 Alan R. 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
 Anil B. Venkatesh, College of Arts and Sciences
 Aram D. Stump, College of Arts and Sciences
 Ashwana D. Fricker, College of Arts and Sciences
 Barbara A. Cunningham, College of Arts and Sciences
 Barbrina B. Ertle, Ruth S. Ammon College of Education and Health Sciences
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 Brian Stockman, College of Arts and Sciences
 Brian T. Wygal, College of Arts and Sciences
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 Cheryl D. Best, College of Nursing and Public Health
 Chrisann M. Newransky, School of Social Work
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 Christy A. Mulligan, Gordon F. Derner School of Psychology
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 David Chays, College of Arts and Sciences
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 Devin G. Thornburg, Gordon F. Derner School of Psychology
 Dominic Fareri, Gordon F. Derner School of Psychology
 Dorothy Ferraro, College of Nursing and Public Health
 Edmund J.Y. Pajarillo, College of Nursing and Public Health
 Edwin-Nikko R. Kabigting, College of Nursing and Public Health
 Effie Sapuridis, College of Arts and Sciences
 Eileen Engelke, College of Nursing and Public Health
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 Frank Gallucci, Robert B. Willumstad School of Business
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 Ivan D. Hyatt, College of Arts and Sciences
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 Lawrence Josephs, Gordon F. Derner School of Psychology
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 Margaret M. Cassidy, College of Arts and Sciences
 Maria Cristina Zaccarini, College of Arts and Sciences
 Maria-Pilar Martin, College of Nursing and Public Health
 Mary L. Jahrsdoerfer, College of Nursing and Public Health
 Mathew Wright, College of Arts and Sciences
 Matthias W. Foellmer, College of Arts and Sciences
 Melissa A. Van Alstine-Parris, College of Arts and Sciences
 Michael A. Lacombe, College of Arts and Sciences
 Michael Lueckheide, College of Arts and Sciences
 Michael Moore, Gordon F. Derner School of Psychology
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 Nancy Giordano, College of Nursing and Public Health
 Nara Yoon, College of Arts and Sciences
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 Neda Naseri, College of Arts and Sciences
 Nicholas J. Palmisano, College of Arts and Sciences
 Orion Duckstein, College of Arts and Sciences
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 Rakesh C. Gupta, Robert B. Willumstad School of Business
 Sabena Thomas, College of Nursing and Public Health
 Sarah Warriner, Gordon F. Derner School of Psychology
 Sean R. Sullivan, College of Arts and Sciences
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 Sixia Chen, College of Arts and Sciences
 Sukun Li, College of Arts and Sciences
 Sung H. Kim, College of Arts and Sciences
 Susan M. Kilgore, College of Arts and Sciences
 Susan Neville, College of Nursing and Public Health
 Tandra R. Chakraborty, College of Arts and Sciences
 Traci Levy, College of Arts and Sciences
 Tuval Foguel, College of Arts and Sciences
 William Jacobowitz, College of Nursing and Public Health
 Won Seok Chey, Ruth S. Ammon College of Education and Health Sciences
 Xiaoxing Liu, College of Arts and Sciences
 Yue Han, Robert B. Willumstad School of Business
 Zainab Toteh Osakwe, College of Nursing and Public Health

Keynote Speaker



Jayati Ghosh

Development economist Jayati Ghosh is an award-winning author and professor of economics at the University of Massachusetts Amherst. Dr. Ghosh was appointed to the WHO Council on the Economics of Health for All in 2021, and in 2022 to the UN Secretary General's High-Level Advisory Board on Effective Multilateralism, mandated to provide a vision for international cooperation to deal with current and future challenges.

Dr. Ghosh previously taught economics at Jawaharlal Nehru University, New Delhi for nearly 35 years, and her core areas of research include Asian political economy, economics and the developing world, and gender and care work. She has authored and/or edited 20 books and more than 200 scholarly articles. Her recent books, *The Making of a Catastrophe: Covid-19 and the Indian Economy*, and *When Governments Fail: Covid-19 and the Economy*, share her insights on the timely issue of how healthcare and the economy are intertwined, while *Earth for All: A Survival Guide for Humanity* shares her work as part of a leading global group of scientists and economists who present five extraordinary turnarounds of our economic picture to achieve prosperity for all in a single generation.

Dr. Ghosh has received several prizes, including the 2015 Adiseshiah Award for distinguished contributions to the social sciences in India; the International Labour Organisation's Decent Work Research Prize for 2011; and the NordSud Prize for Social Sciences 2010, Italy.

Dr. Ghosh has advised governments in India and other countries, including as Chairperson of the Andhra Pradesh Commission on Farmers' Welfare in 2004, and Member of the National Knowledge Commission of India (2005-09). She was the Executive Secretary of International Development Economics Associates (www.networkideas.org), an international network of heterodox development economists, from 2002 to 2021. In 2023, she was awarded the John Kenneth Galbraith award by the Agricultural and Applied Economics Association, "in recognition of breakthrough discoveries in economics and outstanding contributions to humanity through leadership, research and service."

Conference Notes

Presentation Themes

The presentations are organized by themes, to facilitate interdisciplinary exposure and to 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) Diversity, Ethics, and Social Justice, (2) Environmental and Global Challenges, (3) Health and Wellness, (4) Innovation and Technology, (5) Behavior and Social Systems. 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. All ePoster sessions will be held in Ballrooms 201/202, with each session lasting for 55 minutes. For oral presentations, 6 rooms (Rooms 211-216) have been assigned to host 3 presenters in each room during each session. Each oral presenter will be given 10 minutes to present, along with a 5-minute Q&A session at the end of their presentation.

Dance, Music, and Visual Arts Presentations

This year's Dance, Music, and Visual Arts presentations will be taking place in Ballroom 203. Attendees can expect creative works exploring the intersections between live dance and music performances, as well as film choreography, painting, documentary, and innovative ways to support learning in Mathematics and Physics. For Dance and Music performances, students will present a portion of their work for up to 10 minutes, followed by a 5-minute Q&A discussion of their creative process. Visual Arts exhibitions will be showcased in the format of films and slide 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 in 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 4 sessions throughout the conference, each lasting for 55 minutes.

Conference Program Overview

Time	Event	Location
8:30 am - 9:00 am	Complimentary Breakfast	Second-Floor Atrium
9:00 am - 9:55 am	Bhisé Project Faculty Panel Discussion	Ballroom 203
9:15 am - 9:45 am	*Poster Check-in for Session 1	Ballrooms 201/202
10:00 am - 10:05 am	Opening Address by President Christine Riordan, PhD	Ballroom 203
10:05 am - 11:00 am	Poster Session 1	Ballrooms 201/202
10:15 am - 11:00 am	Oral Presentation Session 1	Rooms 211 - 216
10:05 am - 11:00 am	Computer Science and Game Exhibitions Session 1	Room 210
10:15 am - 10:30 am	Dance Performance	Ballroom 203
11:00 am - 11:20 am	Coffee Break	Second-Floor Atrium
11:00 am - 11:15 am	*Poster Check-in for Session 2	Ballrooms 201/202
11:20 am - 12:15 pm	Poster Session 2	Ballrooms 201/202
11:30 am - 12:15 pm	Oral Presentation Session 2	Rooms 211 - 216
11:20 am - 12:15 pm	Computer Science and Game Exhibitions Session 2	Room 210
11:20 am - 12:05 pm	Visual Arts Exhibitions Session 1	Ballroom 203
12:15 pm - 12:30 pm	Snack Break	Second-Floor Atrium
12:30 pm - 1:30 pm	Keynote Presentation by Dr. Jayati Ghosh – <i>Critical Thinking and Research in the Social Sciences: Is empathy important?</i>	Ballroom 203
1:30 pm - 2:00 pm	Lunch Break	Second-Floor Atrium
1:30 pm - 2:00 pm	*Poster Check-in for Session 3	Ballrooms 201/202
2:00 pm - 2:55 pm	Poster Session 3	Ballrooms 201/202
2:00 pm - 2:45 pm	Oral Presentation Session 3	Rooms 211 - 216
2:00 pm - 2:55 pm	Computer Science and Game Exhibitions Session 3	Room 210
2:00 pm - 2:45 pm	Visual Arts Exhibitions Session 2	Ballroom 203

2:55 pm - 3:20 pm	Snack Break	Second-Floor Atrium
3:00 pm - 3:15 pm	*Poster Check-in for Session 4	Ballrooms 201/202
3:20 pm - 4:15 pm	Poster Session 4	Ballrooms 201/202
3:30 pm - 4:15 pm	Oral Presentation Session 4	Rooms 211 - 216
3:20 pm - 4:15 pm	Computer Science and Game Exhibitions Session 4	Ballroom 210
3:20 pm - 3:35 pm	Music Performance	Ballroom 203

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

Dance Performance

Session 1 – 10:15 am to 10:30 am <i>Ballroom 203</i>		
Performer/Presenter	Title	Slot Time
Sarah Gaetano	"That Was Long Ago; Tell It Again, Though": Adapting Myth to a Modern Context in a Non- Linguistic Form	10:15 AM

Visual Arts Exhibitions

Session 1 – 11:20 am to 12:05 pm <i>Ballroom 203</i>		
Presenter	Title	Slot Time
Clara Ossandón Melo	BGLE: Dance, Power, and Preservation: Capturing the Progress of Women Empowerment in Bharatanatyam Through a Dance Film	11:20 AM
Christopher Sciortino	Swift Matrix Multiplication: Are You Schure?	11:35 AM
Andrew Danza	Physics Outreach - Brachistichrone, the path of least time	11:50 AM

Session 2 – 2:00 pm to 2:45 pm <i>Ballroom 203</i>		
Presenter	Title	Slot Time
Qetsia Florival, Sparsh Choudhary, Laszlo Goch, Justin Kresse, Sandra MacKay, Tony Nguyen, Tahir Peele, Mathew Sabu, Christopher Sciortino	Early Mathing: Research to Support Learning Mathematics	2:00 PM
Danielle Pecchioli	From Cave Walls to the Stage: The Evolution of Human Storytelling through Performance and Art	2:15 PM
Margaret Muller	The Illusion of More: Consumption, Escapism, and the Cost of Time	2:30 PM

Music Performance

Session 1 – 3:20 pm to 3:35 pm <i>Ballroom 203</i>		
Performer/Presenter	Title	Slot Time
Nathalia Lawrence	Nathalia's piece part two	3:20 PM

Computer Science and Game Development Exhibitions

Computer Session 1 – 10:05 am to 11:00 am

Room 210

Presenter(s)	Title
Ethan Portelli, Jennefer Campoverde, Evan Hamou, Sheila Montecino	Pet WRU
Christopher Sciortino, Brandon Siles, Tyler Reid, Sandra MacKay	Scheduling Headaches are Gone with Calendar Friend
Hemee Patel, Mya Amaya	Spoonful
Desiree Williams, Ariana Nela, Sumiya Surenkhuu	Gap Analysis and RFM System
Hanna Thomas, Alina James	TimeWise
Qetsia Florival, Adem Šaljanin	StormSafe Auto

Computer Session 2 – 11:20 am to 12:15 pm

Room 210

Presenter(s)	Title
Zachary Lang, Spencer Lu, Bill Liu	Modifying and Synchronizing Multi-Event Calendar Displays
Rousseau Francois, Nicholas Ortiz	Arcane Odyssey
Jonathan Li, Robert Alamo	Board Lands
Delaney Noel, Dimitri Maragh, Eiron Funda, Dias Utebekov	Systematic Clinical Observation and Patient Entry (S.C.O.P.E.)
Krishen Persand, Davis Joseph, Hashir Zahoor ur Rahman	AesCLO: A Fashion Website for Personalized Outfit Recommendations
Rohan Kulkarni, Aaromel Kissoon, Garwyn Wagnac	Tutor Finder

Computer Session 3 – 2:00 pm to 2:55 pm

Room 210

Presenter(s)	Title
Alan Ribiev, Jacob Nelson, Fardeen Khan, Evan Pereira	Movie Muse
Michael Scandiffio	Magnet-based Puzzle-platform Video Game
Maheen Naqvi	Developing an Interactive Web-Based 3D Home Office Using A-Frame
Shafat Syed, Talha Paracha, Edwin Arroyo, Salman Syed	MunchiesMatch
Carlos Urias, Abir Hossain, Hamza Imran Mirza	Person Meets Car
Saaquib Bokhari, Lucy Hu, Asmatullah Khan, Katelyn Cheesman	Fitty

Computer Session 4 – 3:20 pm to 4:15 pm

Room 210

Presenter(s)	Title
Christopher Sciortino, Sparsh Choudhary, Qetsia Florival, Laszlo Goch, Justin Kresse, Sandra MacKay, Tony Nguyen, Tahir Peele, Mathew Sabu	Early Mathing: Developing Video Games for Learning Mathematics
Jarred Navarro	Ready, Set, Zoom! A Demonstration of Interactive Telescopic Proofs

Oral Presentation Schedule

Oral Presentation Session 1 (10:15 am - 11:00 am)

Themes: Diversity, Ethics, and Social Justice (Rm 211); Environmental and Global Challenges (Rm 212); Health and Wellness (Rm 213 & 216); Innovation and Technology (Rm 214); Behavior and Social Systems (Rm 215 & 216)

Presenter(s)	Title	Room	Slot time
Elizabeth Manton	Incarceration and the Impact on the Family	211	10:15am
Simran Sood	Personal Stressors that affect Asian Americans	211	10:30am
Peter Munoz	Contemporary Issues	211	10:45am
Edward Jansen	Machine Learning Prediction and Experimental Synthesis of New High-Temperature Superconductors	212	10:15am
Faria Rahman Oyshi	Copper-based photocathodes for PEC H ₂ production	212	10:30am
Joshuah Tavarez	C(sp ³) – C(sp ³) Bond Formations via Hypervalent Iodine Reagents	212	10:45am
Anna Hollywood	Synthesis of Spirolactams: Identifying conditions to form carbon-carbon vs. carbon-nitrogen vs. carbon-oxygen spirocenters	213	10:15am
Laila Roman	The Development of Hypervalent Iodine Reactions to Synthesis Spirolactam Derivatives for the Treatment of Trichomoniasis	213	10:30am

Oral Presentation Session 1 (10:15 am - 11:00 am)

Themes: Diversity, Ethics, and Social Justice (Rm 211); Environmental and Global Challenges (Rm 212); Health and Wellness (Rm 213 & 216); Innovation and Technology (Rm 214); Behavior and Social Systems (Rm 215 & 216)

Presenter(s)	Title	Room	Slot time
Nicole Koulta	Silver (I) Cyanoximates: Crafting the Future of Antibacterial Dental Materials	213	10:45am
Anil Dasrat, Collin Heaney, Yash Jajoria	AIVI, Artificial Intelligence for the Visually Impaired	214	10:15am
Ankit Avanish Dwivedi, Kritik Thobhani	SHOPNEST: Creating a Cozy, All-In-One Shopping Experience	214	10:30am
Apoorv Singh, Hitiksh Doshi, Matt Gembarzewski	Reshaping computing education with the disruption of AI and Quantum computing	214	10:45am
Jason Bier	Peer Partnership for Isolation Among High School Physics Teachers	215	10:15am
Joseph D'Andrea	Frontier Fathers in Crisis: Bob Dylan's "Ballad of Hollis Brown" and the Legacy of Familial Struggle in Rural America	215	10:30am
Imman Shah	Under the system of federalism, to what extent can New York State public health authorities continue to support mandatory childhood vaccine schedules, given anticipated challenges from the shift of leadership of the HHS under RFK Jr?	216	10:15am
Shelly Gulkarov	Exosomes and Cardiovascular Diseases	216	10:30am
Sophia Bachman	Effects of Chronic Noise Pollution on Cardiovascular Health in Urban Environments	216	10:45am

Oral Presentation Session 2 (11:30 am - 12:15 pm)

Themes: Diversity, Ethics, and Social Justice (Rm 211); Environmental and Global Challenges (Rm 212); Health and Wellness (Rm 213 & 216); Innovation and Technology (Rm 214); Behavior and Social Systems (Rm 211 & 215); Other (Rm 216)

Presenter(s)	Title	Room	Slot time
Melissa Meric	Practice Based Research in Social Work Higher Education	211	11:30am
Alexandra Rosca	In Pursuit of Queer Hope: An Anthology of its Utility in LGBTQ+ Activism	211	11:45am
Josh Laureta	'Darl went crazy': The Portrayal of 'Mental Illness' through William Faulkner's Literary Technique in "As I Lay Dying"	211	12:00pm
Noor Ellahie	Photocatalytic properties of BiVO ₄ modified with metallo-organic coordination polymers and Au nanoparticles for the degradation of pharmaceuticals	212	11:30am
Selin Aptoula	Design and synthesis of multi-metallic nanocatalytic materials for the direct reduction of nitrogen molecules toward ammonia in acidic and alkaline media	212	11:45am
Syeda Shobnam	Studies of photocatalytic properties of Mo doped BiVO ₄ /C ₃ N ₃ S ₃ -Co for water oxidation.	212	12:00pm
Abigayle Stephenson	How does the financial health status of older adults living with diabetes impact their health outcomes?	213	11:30am
Elizabeth Garcia	Health as Expanding Consciousness	213	11:45am
Gagandeep Kaur	Testicular Torsion	213	12:00pm

Oral Presentation Session 2 (11:30 am - 12:15 pm)

Themes: Diversity, Ethics, and Social Justice (Rm 211); Environmental and Global Challenges (Rm 212); Health and Wellness (Rm 213 & 216); Innovation and Technology (Rm 214); Behavior and Social Systems (Rm 211 & 215); Other (Rm 216)

Presenter(s)	Title	Room	Slot time
Ajay Mohan	3D Design and Creation of a Michelson Interferometer	214	11:30am
Zachary Papaccio	Wireless Power Transmission: Exploring Wireless Electricity Transfer	214	11:45am
CHELSEA SUNNY	Exploring the evolutionary role of type B transcription factors in Physcomitrium patens. A model for signalling pathway diversification in Early land plants	214	12:00pm
Madison Gant, Sara Sarmad, Kinza Syed, Valerie German	Can Students Learn How to Learn? - Teaching Effective Learning Strategies to Students in Introductory Biology	215	11:30am
Valeria Lopez	Energetic Cost of Alarm Calls in Two Species of Calidris birds	215	11:45am
Nicholas DiLorenzo	Awareness of Selective Androgen Receptor Modulators (SARMs) and Adolescents Behavior	215	12:00pm
Bharath Chander Rao Annamaneni, Pranith Sai Madishetti, Pavan Kumar Regalla, Laxmiprasanna Dornala	Digital Transformation and Cybersecurity for Business Solutions	216	11:30am
Matthew Falcone	The impact of screen time and the effect on physical activity in adolescents	216	11:45am

Oral Presentation Session 2 (11:30 am - 12:15 pm)

Themes: Diversity, Ethics, and Social Justice (Rm 211); Environmental and Global Challenges (Rm 212); Health and Wellness (Rm 213 & 216); Innovation and Technology (Rm 214); Behavior and Social Systems (Rm 211 & 215); Other (Rm 216)

Presenter(s)	Title	Room	Slot time
Matthew Rein	The Effect of Anxiety on an Athlete's Perceived Performance	216	12:00pm

Oral Presentation Session 3 (2:00 pm – 2:45 pm)

Themes: Diversity, Ethics, and Social Justice (Rm 211); Environmental and Global Challenges (Rm 212); Health and Wellness (Rm 213 & 216); Innovation and Technology (Rm 212 & 214); Behavior and Social Systems (Rm 211 & 215); Other (Rm 216)

Presenter(s)	Title	Room	Slot time
Solomon Thomas	The Darkness of Left and Right Wing Authoritarianism	211	2:00pm
Erica J. Gibson	Why Do People Recidivate?	211	2:15pm
Negar Aghassizadeh	Exploring ESL Therapists' Experiences with Language Comfort, Therapeutic Dynamics, and Cultural Processes in Therapy	211	2:30pm
Tetyana Tomjuk	Why do young men join extremist groups?	212	2:15pm
Joshanna Ramharack	Mitigating the likelihood of phishing attacks targeting college students in the U.S.	212	2:30pm
Karla Pena	Funding for Foster Care: How Costs Dictate the Consequences of Inadequate Healthcare	213	2:00pm
Nafees Choudhury	Bladder Cancer	213	2:15pm
Natalie Abrishamian, katherin Garzon, Yulissa Familia, Lench Abraham	Time Limited Brief Dynamic Psychotherapy	213	2:30pm
John Gaurav, Jake Cressser, Aaish Malhotra	"Bridging the Knowledge Gap: Understanding and Preventing AI-Driven Scams Through Public Awareness"	214	2:00pm

Oral Presentation Session 3 (2:00 pm – 2:45 pm)

Themes: Diversity, Ethics, and Social Justice (Rm 211); Environmental and Global Challenges (Rm 212); Health and Wellness (Rm 213 & 216); Innovation and Technology (Rm 212 & 214); Behavior and Social Systems (Rm 211 & 215); Other (Rm 216)

Presenter(s)	Title	Room	Slot time
Muneera Chowdhury, Neelima Donkada, Saurabh Suryakant Pathare, Pallav Bhanderi	Forensic Analysis of Deleted Files Across File Systems	214	2:30pm
Aani Mehta	Is Love Addiction Associated with Personality Disorders and Trauma?	215	2:00pm
Carolena Vicale	The Effect of Parental Behaviors on Emerging Adults' Self Expression	215	2:15pm
Siu Chui To, Victoria Slattery, Anthony Roberts	Solution-Focused Brief Therapy	216	2:00pm
Melissa Garber	The Association between Working on Productions and Mental Health in Performing Artists	216	2:15pm
Angelique Casimir	Effect of Antioxidants on C. elegans Expressing Alzheimer's Disease Associated Amyloid Beta Protein	216	2:30pm

Oral Presentation Session 4 (3:30 pm - 4:15 pm)

Themes: Diversity, Ethics, and Social Justice (Rm 211); Environmental and Global Challenges (Rm 212); Health and Wellness (Rm 212 & 213); Innovation and Technology (Rm 211 & 214); Behavior and Social Systems (Rm 215); Other (Rm 216)

Presenter(s)	Title	Room	Slot time
Mubashshir Abes, Maheen Naqvi, Tayeb Elhaid, Brandon Fondeur	Exploring the Quality of Student Problem Solving Against AI's Generic Problem Solving	211	3:30pm
Teanna Samuel	Equity in Care: Addressing Mental Health Barriers for Diverse Populations	211	3:45pm
Nile Somers	The impact of Competitive Gaming and the risk of Addiction	211	4:00pm
Heather Gittelson	Effects of episodic future thinking and perspective taking on climate change risk perception and action	212	3:30pm
Sanika Desai	Predictive Analytics for Accident Prevention in Autonomous Cars	212	3:45pm
Alyssa Giudice	The Impact of Breastfeeding and Skin-to-Skin Contact on Neonatal Bonding	213	3:30pm
Callie Wiedle	Hippocrates and Nightingale: Ancient Medicine and Modern Nursing	213	3:45pm
Megan Roman	Improving Health Literacy in Adolescents: Can Nurses Play a Role?	213	4:00pm
Qingwen Ji, Arianna Caballero	How AI Algorithms Differ: A Case Study of an Unbeatable Game	214	3:30pm

Oral Presentation Session 4 (3:30 pm - 4:15 pm)

Themes: Diversity, Ethics, and Social Justice (Rm 211); Environmental and Global Challenges (Rm 212); Health and Wellness (Rm 212 & 213); Innovation and Technology (Rm 211 & 214); Behavior and Social Systems (Rm 215); Other (Rm 216)

Presenter(s)	Title	Room	Slot time
Srinivas Reddy Chinamgari, Naga Kiran Sai Maganti, Sateesh Boggavarapu	FitGuide: A Personalized Fitness Application	214	3:45pm
Roya Parsa	A Streamlined DECT Analysis Tool for Pediatric Proton Therapy: Enhancing Stopping Power Estimation with Improved Calibration and Machine Learning	214	4:00pm
Nathazsha Gande	G1/S phase regulation facilitates neurogenesis of PHso1-derived neurons in Caenorhabditis elegans	215	3:30pm
Samantha Pozo	Effects of Different Overwintering Temperatures on Performance on Spiders	215	3:45pm
Sarah Liberti, Ryan Meurlin	Narrativization of tragedy: The use of music after school shootings	215	4:00pm
Arthur Ramirez	Demon Possession in Relation to Mental Health.	216	3:30pm
FNU Pallavi	Unravelling the Mysterious Communication of a Unique Cytokinin Receptor - CHARK	216	3:45pm
Cassandra Tura	Crafting a Nation: Material Culture and American Identity in the New Republic Era	216	4:00pm

E-Poster Session Schedule

Poster Session 1 – 10:05 am to 11:00 am, Ballroom 201/202

Themes: Diversity, Ethics and Social Justice; Environmental and Global Challenges; Health and Wellness; Behavior and Social Systems; Innovation & Technology; Others

Poster #	Presenters	Submission Title
1	Aakanksha Arkade	The Impact of Substance Use on Sexual Attitudes, Gender Roles, and Rape Myth Acceptance Among Men
2	Afra Masud	Monsters
3	Alanna Holmes	The Association Between Social Media and Romantic Relationship Satisfaction
4	Allison Vazquez	ACES: the catalyst for physical and mental health, an exploration of the disparities of Trauma-informed care in the American healthcare system
5	Alyssa Rizzuto	Study of Calidris genus and their vocalizations
6	Amanda Emma	Later Adulthood Trauma Re-Engagement and Mental Health Outcomes among Aging Veterans: The Moderating Role of Appraisals of Military Service
7	Davis Joseph	Addressing the immune effect in radiation therapy for cancer by using the cellular automaton model
8	Bisma Mahmood	Tracking the Impact of the Pandemic on the Sentiment of Self-Esteem based on Tweets
9	Caroline Seifen, Lily Fry	Association between individual differences in neuromelanin levels and reward-based decision-making
10	Chloe Ott, Federica Procida	Entorhinal cortex activation during precise temporal memory retrieval is associated with temporal discounting.
11	Anna Oden	The Law in our Lives: A Collection of Political and Legal Fiction
12	Dominick Giammona	Examining the Impact of Goalball Instruction in Physical Education Teacher Education Programs

Poster Session 1 – 10:05 am to 11:00 am, Ballroom 201/202

Themes: Diversity, Ethics and Social Justice; Environmental and Global Challenges; Health and Wellness; Behavior and Social Systems; Innovation & Technology; Others

Poster #	Presenters	Submission Title
13	Keerat Singh	Investing the Acetaminophen induced toxicity in C. elegans
14	Allyson Hollywood	Assessing the Sustainability of Long Island's Hiking Trails
15	Ashley Restrepo	Ibuprofen Exhibits Toxicity to Bacterial Strains Isolated from a Salt Marsh in Lido Beach, NY
16	Bhuran Khan	Innovative C-C Bond Formation and Oxidation Pathways Using Hypervalent Iodine Chemistry
17	Clara Ghali, Joshuah Tavarez	MOF-based Nanostructures for Water Purification from Emerging Contaminants and Electrochemical Application
18	Amanpreet Kaur, Barbara Cunningham	Mechanisms of Hyperglycemia Induced Diabetic Retinopathy
19	Amber Darkins	Memory Suppression in Adult Victims of Childhood Sexual Abuse
20	Anisha Prasad	Exploring the Underlying Factors Influencing Burnout and Mental Health Challenges in Medical Students and Residents of Color
21	Annie Roller	The Role of Nurses' in Assessment of Body Image
22	Anthony Gioletti	Video Consumption and Emotional Responses to Negative Film Clips
23	Ashley Labban	Co-morbid Marijuana & Nicotine Use: Differences in Depression Scores
24	Aziza Yakhyaeva	Forensics and Biological Sciences
25	Brooke Carrozzo, Nora McGee, Sarah McNulty	Polycystic Ovarian Syndrome (PCOS)
26	Caroline Fiordalisi	Fibromyalgia

Poster Session 1 – 10:05 am to 11:00 am, Ballroom 201/202

Themes: Diversity, Ethics and Social Justice; Environmental and Global Challenges; Health and Wellness; Behavior and Social Systems; Innovation & Technology; Others

Poster #	Presenters	Submission Title
27	Cindy Dorsainvil	Nurse Practitioners' Role in the Early Diagnosis and Treatment of Systemic Lupus Erythematosus
28	Mgim Lee Gousse	Understanding Code-switching in Haitian Creole Speakers
29	Alexa Able, Myat Khin, Aleena Shino, Mickeylia Walker	No Flavodoxin, No Life: An Ancient Protein Gateway to Understanding the Origins of Life
30	Alyssa Zambuto	Single Beam Reflection, and Transmission Holograms
31	Angel Bajracharya, Giovanni Joseph	Anomalyze: Leveraging AI for Live Network Threat Detection & Visualization
32	Anjali Macwan	Modern Scientific Equipment: Cell Phone Microscopes
33	Ashley Kreth	Synthesis of Hypervalent Iodine Reagents and Derivatives
34	Berat Kales, Sagar Manish Gala	Karaokai
35	Mariane Diby	Exploring Relativistic Collisionless Shocks with Simulations and National Ignition Facility Experiments
36	Matthew Gootman Gootman	Developing an algorithm for arc length-weighted anti-aliasing propagation of beams with 1D Fourier spectra
37	Gianna Nicoletta, Edward Rutter	Mathematics Anxiety Amongst Middle School and High School Children
38	Julianna Decker, Emily Diproperzio	Measurement of the Time it Takes to Draw and Interpret Four Representations of Organic Molecules

Poster Session 2 – 11:20 am to 12:15 pm, Ballroom 201/202

Themes: Diversity, Ethics and Social Justice; Environmental and Global Challenges; Health and Wellness; Behavior and Social Systems; Innovation & Technology; Others

Poster #	Presenters	Submission Title
1	Maci Bell	The Impact of Predominant Religions on Mental Health and Mental Health Care: A Case Study on the Impact of Hinduism and Islam in India
2	Nino Burjanadze	BGLE - East Meets West: A Comparative Analysis of U.S. and Indian Healthcare Policies – The Affordable Care Act (ACA) and Ayushman Bharat (AB-PMJAY)
3	Candice Garwood	The Impact of Microfinance Initiatives on Rural Poverty Alleviation in India: A Bhise Global Learning Experience Project
4	Mjim Lee Gousse	Cognitive Effects of Bilingualism Among Marathi and Hindi Speakers
5	Hemish Naidoo	Comparing Treatment Modalities and Efficacy across Language Deficits in Neurodegenerative Diseases within Hindi-Speaking Indian Populations (Bhise Global Learning Experience)
6	Allison Vazquez	The modern delivery of Indian Healthcare: the story of Ayush revitalization post-colonialism
7	Courtney Murphy	Disrupting the Math Anxiety Cycle: Strategies for Reducing Math Anxiety and Fostering Cooperative Learning
8	Danielle Lawrence	Free and Clean?
9	Devhara Weeratunge	Characterizing race-related implicit and explicit attitudes in the context of COVID-19
10	Emily Uzhca	K-pop Fans vs. Taylor Swift Fans: Differences in Parasocial Relationship Strength?
11	Frank Garger	The Effect of Foreign Language on False Memories
12	Gianna Castagna	A qualitative exploration of New York Physical Education pre-service teachers' beliefs, identities, and motivations

Poster Session 2 – 11:20 am to 12:15 pm, Ballroom 201/202

Themes: Diversity, Ethics and Social Justice; Environmental and Global Challenges; Health and Wellness; Behavior and Social Systems; Innovation & Technology; Others

Poster #	Presenters	Submission Title
13	Ian Lorand	Protective Buffering in the Context of Military Deployments: Individual and Relational Predictors
14	Joao Delgado	Another Medium
15	Hayaa Beig	Tatreez As a Tool of Resistance for Palestinian Women
16	Kelly Johnson	Effects of Implicit Bias on Diagnosis and Treatment Outcomes for Chronic Conditions in African American Communities
17	Giuseppe Casabianca	Alternative to Electric Vehicles
18	Gurjot Singh	Isolated treatments of synthetic pesticide toxins, bifenthrin and cypermethrin, alter the behavior and physiology of <i>Caenorhabditis elegans</i>
19	Dalia Savy	The Impact of a Medical Smart Home on Independence and Care Management for an Older Adult with an Amputation and Brittle Diabetes
20	Daniel Smolensky	The Effects of Electricity and Magnetic Fields on Neuronal Cell Growth
21	Nikki Searles, Jake Orfano	Effects of Commercial Fishing on Long Fin Squid - A Predator/Prey Model
23	Devashri Trivedi	Perceptions of Asian parents of school-going kids in New Jersey about Community Water Fluoridation
24	Diya Telwala	The Role of the NLRP3 Inflammasome in Systemic Inflammation and the Progression of Periodontal Disease
25	Dorothy Diana Daga	The Importance of Nursing Education on Type 2 Diabetes
26	Dylan Norrby	Does the Presence of Second Victim Syndrome Among Current Practicing Nurses Contribute to Increased Burnout?

Poster Session 2 – 11:20 am to 12:15 pm, Ballroom 201/202

Themes: Diversity, Ethics and Social Justice; Environmental and Global Challenges; Health and Wellness; Behavior and Social Systems; Innovation & Technology; Others

Poster #	Presenters	Submission Title
27	Elina Abayeva, Blessing Ezeadichie	Designing nucleoside hydrolase inhibitors as novel antitrichomonal agents using FragGrow
28	Emilia Karpel, Parwinder Kaur, Alexis Lin, Sonnie Kanneh	The Effect of Raspberry Ketones and Capsaicin on Fat Accumulation in
29	Anabel Ojeda, Matthew Gootman	Exploring Cancer Cell Type Heterogeneity and Treatment Response Using UMAP on RNA-Seq Data
30	Cherie Millan, Aruzhan Bissenbay, Nadirah Peakes	Proteins Lost to Time: Recovering Prebiotic Proteins with AI
31	Daniel Alvarez, Daniel Caleb Alvarez	The AI Playbook: Enhancing Football Strategy with Machine Learning
32	Dominick Guadagno	Quantum Experiments for Upper Level Physics Courses
33	Elorna Pierre	Avatars for Health: AI-Driven Digital Twins for Personalized Medicine and Real-Time Health Monitoring
34	Farzaan Khan, Jasmeen Kaur, Olga Tsigelman	Duplicating the Dawn of Life: Insights into Early Protein Evolution with Rossmann-like Folds
35	Hoang Long Le	Utilization of AI Chatbots through Personalized User Behaviour in Education Platform
36	Mariane Diby	Exploring The Polarization Dependence of a Phase Modulator
37	Lillian Barber	Geological assessment of a 14,000-year-old archaeological site through visual artifact analysis
38	Masha Kapelyush	Cognition

Poster Session 3 – 2:00 pm to 2:55 pm, Ballroom 201/202

Themes: Diversity, Ethics and Social Justice; Environmental and Global Challenges; Health and Wellness; Behavior and Social Systems; Innovation & Technology; Others

Poster #	Presenters	Submission Title
1	Julia Jinu, Peter Seifen, Kaysan Morshed	Effect of Learning Strategy Advocation for Students in Introductory Biology Classes
2	Juliana Fokas	Impact of Setting on Parents' Perceptions of Services in Speech- Language Pathology
3	Juliana G. Evangelista, Yumna Aamir, Afrah A. Alam, Katherine Argueta, Racquel L. Chiarolanza, Yamona J. Coley, Sky Colon, Ta'ire-atahneyah Dan, Sabrina N. Decrescito, Sydney E. Ehrhart, Chris Franklin, Andres M. Fulgenico, Jocelyn D. Herrera, Ananya Jain, Kailly Jimenez, Isabella Magilaro, Katherine Rivera, Moira Rizvi, Khyllar A. Sanders, Octavia L. Simon, Elinor R. Wolfstein	Social Issues: Panther's Psychological Perspectives- Student Projects from Practicum in Experimental Psychology (398-004) Spring 2025
4	Juliana Morsello	Rumination and Depressive Symptoms Among Aging Veterans: Social Support as a Moderator
5	Julianna Nails	The Influence of Influencers: Examining the Function of Parasocial Relationships in the Age of Social Media
6	Kayla Schaaff	Exploring Intimacy Beyond Tradition: How Challenging Gender Roles Enhances Sexual Openness and Satisfaction
7	Kaylee Psencik, Kaylee N Psencik	Marketing to Minors: The Long Term Effect of Children's Advertising
8	Keara Malazarte	The Modulation of Evacuation Behavior Based on Ant Colony Group Size and Age
9	Leannan Harcourt-Brooke	A Delicate Balance: Managing Art & Finance In The Context Of Regional & Community Theaters On Long Island

Poster Session 3 – 2:00 pm to 2:55 pm, Ballroom 201/202

Themes: Diversity, Ethics and Social Justice; Environmental and Global Challenges; Health and Wellness; Behavior and Social Systems; Innovation & Technology; Others

Poster #	Presenters	Submission Title
10	Lily Fry, Jordan Dejoie, Caroline Seifen	The role of the default mode network in social preferences
11	Khoa Tran, Tran Anh Khoa	Flawed Thought Projection: Investigating the Neural Mechanisms Underlying Rigid Cognition in Autism
12	Pamela Giannopoulos	Contrasting Paths to Integration: A Comparative Analysis of Immigrant Cultural Integration in the Netherlands, Sweden, Spain, and Greece
13	Rachel Halpert	Research Ethics in Genetic Enhancement: Analyzing Medical Ethics Implications
14	Kaydeen Pierre	Salt Marsh Bacteria Survival in Mesocosms With And Without Cadmium As A Test Of Bioremediation Potential
15	Laura Martinez	Gastrointestinal Patterning in Lepidosiren Paradoxa
16	Miriam Yushavaiev	Does fish passage select for American eel size?
17	Nina Tchavtchanidze	Assessing the Toxicity of Pesticide Adjuvants on the Soil Bacterium Bacillus subtilis
18	Fatemahzahra Moorji	AI-Powered Personalized Meal Planning App
19	Gulsah Paker	Association Between Personality Traits, Mental and Physical Health Outcomes of Individuals with Trauma History: Emotional Suppression and PTSD
20	Jacqueline Piccione	Managing Long-Term Effects of Acute Lymphoblastic Leukemia Treatment in Children Through Nursing
21	Javier Ruiz Bort	"Unlocking the Potential of AI-Enhanced Network Analysis for Understanding Gene-Gene and Protein-Protein Interactions in Respiratory Diseases"
22	Jennifer Kelly, Cassandra Stapleton, Samantha Caputo	Zollinger-Ellison Syndrome: Pathophysiology, Diagnosis, and Management

Poster Session 3 – 2:00 pm to 2:55 pm, Ballroom 201/202

Themes: Diversity, Ethics and Social Justice; Environmental and Global Challenges; Health and Wellness; Behavior and Social Systems; Innovation & Technology; Others

Poster #	Presenters	Submission Title
23	Jessica Sweeting	Healing the broken pieces: Support and Restoration for African American Women Facing Postpartum Depression
24	Jessica Wang, Gabriela Rodrigues	Maternal Caregiving and Early Adolescents' Life Satisfaction: Role of Early Adolescents' Forgiveness Towards Their Mothers
25	Kaitlin Abraham	Synthesizing Silver Oxime Compounds using Hypervalent Iodine for the Prevention of Secondary Caries
26	Keshia Lamour, Tatiana Webb, Pauline Tucker-Bennett	Time Limited Brief Interpersonal Therapy (TLBIT)
27	Kylie Goldade, Isabelle DePalma, Kaden Ferguson, Eric Greene, Cristian Mejia Sanchez	Creating a Diagnostic Tool for Parkinson's Disease Using a kNN Algorithm
28	Anokhi Bafna, Joanna Hurley, Travis Nair	Adverse Childhood Experiences, Disorganized Caregiving, and Dissociative Symptoms in Young Adulthood
29	Joshua Shamalov	Augmented Reality for Visualizing and Solving Organic Chemistry Reactions
30	Kahmari Toussaint, Maria Pena Lopez, Kristina Zotolli	AI Powered Workflow Automation
31	Kristian Hernandez, Cherie Millan	Learning Programming Concepts Through Human Cognitive Perception: A Case Study on Search Engines and Storytelling
32	Lily Harutyunyan, Diana Perez	Polysoap Micelles for More-Efficient Anti-Cancer Drug Delivery
33	Madina Tuktina	Can simple technical indicators effectively predict short-term stock price movements?
34	Matthew Klepadlo	Theorems with Abstract Algebraic Coverings of Finite Groups

Poster Session 3 – 2:00 pm to 2:55 pm, Ballroom 201/202

Themes: Diversity, Ethics and Social Justice; Environmental and Global Challenges; Health and Wellness; Behavior and Social Systems; Innovation & Technology; Others

Poster #	Presenters	Submission Title
35	Onkar Dhillon, Delaney Noel	Feature Selecting and Weighting in k-NN Using Information Gain
36	Milanjit Singh	Analyzing the Neurotoxic Effects of Acetaminophen on Localized Behavioral Patterns of <i>Caenorhabditis elegans</i> .
37	Nicolas Krien, Michael Korotz	Teaching Methods that Prepare Students Best for College
38*	Nia Samuel	Reclaiming Afro-Latino Identity Through Mixed-Media Art

*Combined visual display of media paintings with an easel setup.

Poster Session 4 – 3:20 pm to 4:15 pm, Ballroom 201/202

Themes: Diversity, Ethics and Social Justice; Environmental and Global Challenges; Health and Wellness; Behavior and Social Systems; Innovation & Technology; Others

Poster #	Presenters	Submission Title
1	Massimo Posillico	The Impact of Psychological Safety on Employee Engagement and Turnover Intention
2	Michael Rodriguez	Managerial and Employee Well-Being in an Office Setting
3	Nava Winton	Social Anxiety Moderates the Association Between Social Engagement and Sense of Purpose in Older Adults
4	Nicholas Kasander	The Online Dating Application Study
5	Oliver Poole	Associations between cognition and temporal discounting in cognitively normal older adults
6	Travis Nair	The Security Scale Across Three Cultures: Further Evidence of Psychometric Properties
7	Vishakha Patel	Being there for you: Factors that influence employee wellbeing in the workplace
8	Yashodhara Dikshit	Exploring the Relationship Between Perceived Stress and Historical Parental Alcohol Use on Emotional Functioning in College Students
9	Elizabeth Shein, Emily Fox, Ryan Meurlin, Sarah Liberti	Utilizing Mentalization as a Culturally Humble Lens for Better Understanding and Supporting Gender Diverse Students in Schools
10	Reanna Singh	Mental Health Challenges Among Ethnic and Minority First-Generation College Students
11	Samina Radia	The Intersection of Law, Media, and Racial Stereotypes: Analyzing Trump's 1989 Central Park Five Ad
12	Yaffa Reichwald	The Problem with Direct-to-Consumer Genetic Testing

Poster Session 4 – 3:20 pm to 4:15 pm, Ballroom 201/202

Themes: Diversity, Ethics and Social Justice; Environmental and Global Challenges; Health and Wellness; Behavior and Social Systems; Innovation & Technology; Others

Poster #	Presenters	Submission Title
13	Sanjay Kumar, Panesar Jasdeep Kaur Bhupindar Singh	Beyond Plastics: Embracing Sustainable Alternatives for Environmental and Health Well-being
14	Shanya Morisseau	Effects of Ultra-processed Diets on (<i>Nahphoeta cinerea</i>) Lobster Roach Fitness
15	Stephanie Geborde	Abdominal Patterning in <i>Anguilla</i> and <i>Monopterus</i>
16	Lauren Evola	Behcets Syndrome
17	Lauren Sinaiski	Effect of size on gastrointestinal/vertebral patterning in <i>Anguilla Rostrata</i>
18	Liam McCluney, Abdullah Bukhari	An Examination into the Neurotrophic and Cytotoxic Effects of Berberine and Reticuline through PC12 and N38 Cell Culture
19	Mahnoor Tariq, Titanya Abdulla	Proposed Structural Modifications of AU-027 and AU-028 to Target Uridine Nucleoside Hydrolase in <i>Trichomonas vaginalis</i>
20	Melanie Moreira, Judith Chenh	Potential Neuroprotective Effects of Ayurvedic Herb <i>Shankhapushpi</i>
21	Nicole Moawad, Yolanda Robinson	Decreasing CAUTI rates
22	Promit Roy	Full Practice Authority for Nurse Practitioners: Possibilities and Challenges for Better Healthcare Outcomes
23	Rachel Amirova	Synthesis of pyrimidine-specific Inhibitors to target the uridine nucleoside hydrolase pathway in <i>Trichomonas Vaginalis</i>
24	Tiffany Lopez	Cultural Influences Contributing to Obesity Within the Pediatric Hispanic Community
25	Veronica Wiszniewska	Effect of Controlled Diet in Women with Gestational Diabetes

Poster Session 4 – 3:20 pm to 4:15 pm, Ballroom 201/202

Themes: Diversity, Ethics and Social Justice; Environmental and Global Challenges; Health and Wellness; Behavior and Social Systems; Innovation & Technology; Others

Poster #	Presenters	Submission Title
26	Yulianny De Los Santos	Mucin Degradation and Trophic Networks: Exploring Microbial Interactions
27	Patrick Starmach	Development of multifunctional specific catalytic materials for electro-reduction of oxygen: the influence of an external magnetic field
28	Delaney Noel	Dying to be a Mom: A literature review of Maternal Mortality
29	Ryan Carty	Magnus Effect: The Physics of a Curveball
30	Sri Varsha Tirukovalur	AI Chatbots for Personalized Dental Care: Using EHR and NLP to Improve Patient Literacy
31	Summer Yang, Kevin Boktor, Rosalie Thi	Iron and sulfur as Adam and Eve: Ferredoxin's role in the origin of biological energy
32	Vaishnavi Dixit	Resampling and Dimension Reduction in kNN Algorithm for Imbalanced Datasets
33	venkata sai vamsi sopalli	ASD Detection Testing Mechanism
34	Nitesh Kanade	Evolution of cytokinin signaling pathway in Physcomitrium patens
35	Sara Sarmad	Seeing Sound: Visualizing Waves with a Chladni Plate
36	Shahira Amin	Integrating culturally informed services: Organizational Barriers in Muslim Youth Mentorship Programs
37	Shari Thorsten, Jessica Wang, Anokhi Bafna, Travis Nair	Associations Between Maternal Disorganized Caregiving and Children's Adjustment in Middle Childhood
38	Tyler Kilpatrick	Differences in Trait Agreeableness in Individual and Team Sport Athletes