

18th Annual Arts,
Research & Scholarship
SYMPOSIUM
2024

PROGRAM
April 30, 2024



CABRINI
UNIVERSITY





18th Annual Arts, Research & Scholarship Symposium

Undergraduate Schedule

April 30, 2024

- 9:00 am** **Student Set-up**
(Dixon Center - Nerney Field House)
- 9:30 am - 9:45 am** **Welcome and Introductions**
Dr. Michelle Filling- Brown, Dean of Academic Affairs
Dr. Sheryl Fuller-Espie - Symposium Co-chair
(Dixon Center - Nerney Field House)
- 9:45 am - 11:30 am** **Poster Presentations**
(Dixon Center - Nerney Field House)
- 10:30 am - 11:30 am** **Graphic Design Artwork Exhibition**
(Gorevin Gallery, Holy Spirit Library)
- 11:30 am - 1:00 pm** **Lunch**
- 1:00 pm - 4:30 pm** **Oral Presentations**
(Founder's Hall - various locations)
- 4:30 pm - 6:00 pm** **Pierce Fellows Project Presentations: Hunger and Food Insecurity**
(Iadorola Center - Lecture Hall)

Graduate Schedule

April 30, 2024

- 5:00 pm - 5:15 pm** **Welcome and Introductions**
(Grace Hall Atrium and Online)
Dr. Michelle Filling- Brown, Dean of Academic Affairs
Dr. Michelle Yvonne Szpara, Symposium Co-chair
- 5:30 pm - 6:30 pm** **Student Presentations, Session 1 - Hyflex**
(online and in-person)
- 6:45 pm - 7:45 pm** **Student Presentations, Session 2 - Hyflex**
(online and in-person)
- 8:00 pm - 9:00 pm** **Alumni Presentations**
(Iadorola Lecture Hall and Online)

Please note: The program and all abstracts can be viewed online at:

www.cabrini.edu/symposium

April 30, 2024

9:45 am - 11:30 am

Poster Presentations

(Dixon Center - Nerney Field House)

[View Abstract Book](#)



The School of Arts and Sciences

Psychology Department

- Chasiluisa, Kevin: *“Controversies surrounding the use of Cannabis in medical treatment”*
Faculty Sponsor - Dr. Ruta Clair
- Coopern, Abeni: *“Should Therapists Be Eclectic?”*
Faculty Sponsor - Dr. Ruta Clair
- Cornejo, Fernando and Omar Renteria: *“The Importance of Fathers in Child Development: A Comparative Analysis”*
Faculty Sponsor - Dr. Ruta Clair
- Delaney, Kaitlyn: *“Are Violent Video Games Harmful to Children and Adolescents?”*
Faculty Sponsor - Dr. Ruta Clair
- Exius, Nily: *“Abortion and Mental Health”*
Faculty Sponsor - Dr. Ruta Clair
- Gary, Jayla: *“Should Neurolaw be used to inform law practices?”*
Faculty Sponsor - Dr. Ruta Clair
- Hack, Wayne: *“Pornography: Is there potential Harm?”*
Faculty Sponsor - Dr. Ruta Clair
- Harper, River, Edward Mincarelli, Ejinaiyah Massaquoi, and Colt Narciso: *“The correlation between symptom duration and sex”*
Faculty Sponsor - Dr. Ruta Clair
- Johnston, Clare and Ana Torres: *“Emotional Intelligence”*
Faculty Sponsor - Dr. Ruta Clair

- Ley, Makalia: *“Can sex be addictive?”*
Faculty Sponsor - Dr. Ruta Clair
- Lloyd, Alayna, Clare Johnston, and Adonya Francis: *“Relationship between time since concussion injury and varying symptomology”*
Faculty Sponsor - Dr. Ruta Clair
- Lloyd, Alayna: *“Psychiatry or Pseudoscience?”*
Faculty Sponsor - Dr. Ruta Clair
- Maiorana, Rita: *“Neuro Law in courtrooms”*
Faculty Sponsor - Dr. Ruta Clair
- Maiorana, Rita and Autumn Schilke: *“The effects of there emotions after a concussion.”*
Faculty Sponsor - Dr. Ruta Clair
- Marshall, Dionne: *“Memory Dampening Drugs”*
Faculty Sponsor - Dr. Ruta Clair
- Melcher, Dejha and Lauren Belardo: *“Solitary Confinement - should we use it?”*
Faculty Sponsor - Dr. Ruta Clair
- Miller, Madison: *“Should Cannabis Be Used as Treatment for Psychological Disorders?”*
Faculty Sponsor - Dr. Ruta Clair
- Miller, Madison and Dejha Melcher: *“Localization of IFITM3 in the Brain”*
Faculty Sponsor - Dr. Vinayak Mathur
- Rosario, Saige, Mariana Cruz-Sanchez, and Wayne Hack: *“Emotional impact of concussions on pediatric patients over the span of weeks”*
Faculty Sponsor - Dr. Vinayak Mathur
- Stillis, A'Niyah: *“Black Hair in Public Spaces”*
Faculty Sponsor - Dr. Ruta Clair
- Wilkerson, Shanise: *“Hypersexuality: a psychological analysis of sex as an addiction”*
Faculty Sponsor - Dr. Ruta Clair
- Williams, Raeven: *“Is pornography harmful?”*
Faculty Sponsor - Dr. Ruta Clair

Science Department

- Barbera, Emma: *“The Causes, Contributing Factors, and Effects of Down Syndrome”*
Faculty Sponsor - Dr. Vinayak Mathur
- Beamer, Bradley: *“PFAS”*
Faculty Sponsor - Dr. Joseph Smith
- Brown, Abigail: *“Chronic Pain and its Implications on the Brain”*
Faculty Sponsor - Dr. Vinayak Mathur
- Cummings, Kai: *“From -raptors to Raptors: An Evolutionary Analysis of Cretaceous Dinosaurs and their Link to Modern Birds of Prey”*
Faculty Sponsor - Dr. Vinayak Mathur
- Cummings, Kai and Ariana Mirenda: *“Identifying instances HGT in tail tape measure between bacteria and bacteriophages”*
Faculty Sponsor - Dr. Vinayak Mathur
- Fuller, Brian: *“Antibiotic Resistance: Leveraging Extracellular Vesicles as Adjuvants and Monoclonal Antibodies to Combat Biofilm-Associated Infections in Clinical and Agricultural Settings”*
Faculty Sponsor - Dr. Vinayak Mathur
- Fuller, Brian: *“Exploring Horizontal Gene Transfer Dynamics Between Bacteriophages and Bacteria: A Bioinformatics Approach Using Multiple Sequence Alignment, Phylogenetics and Synteny Analysis”*
Faculty Sponsor - Dr. Vinayak Mathur
- Fuller, Brian, Kai Cummings, and Samuel Geathers: *“Soil Microorganism Enumeration of Actinomycetes, Bacteria, and Fungi”*
Faculty Sponsor - Dr. Sheryl Fuller-Espie
- Harper, River: *“Genetic contributors to addiction”*
Faculty Sponsor - Dr. Joseph Smith
- Janetta, Julie: *“Structure Activity Relationship of Pharmaceuticals and their Biochemistry in the Body”*
Faculty Sponsor - Dr. Joseph Smith

- Kennedy, Anne: *“Identification of Horizontal Gene Transfer Present Between Bacteriophages and Bacteria Using Bioinformatics Approaches Including Multiple Sequence Alignment, Phylogenetic Analysis and Synteny Mapping.”*
Faculty Sponsor - Dr. Vinayak Mathur
- Kennedy, Anne: *“Particulate Matter with a Diameter of Less Than 2.5 Micrometers (PM_{2.5}μm)”*
Faculty Sponsor - Dr. Joseph Smith
- Klimek, Elizabeth: *“Traumatic Brain Injury (TBI) Biomarkers and Their Application in Forensic Investigations.”*
Faculty Sponsor - Dr. Joseph Smith
- Mirenda, Ariana, Emma Barbera, and Avery Byrnes: *“Determining the lag and log phase, generation time, and growth rate from a bacterial growth curve for Escherichia coli using serial dilutions and a spectrophotometer”*
Faculty Sponsor - Dr. Sheryl Fuller-Espie
- Mirenda, Ariana: *“Analyzing the Different Types of Brain Tumors, the Mutations That Cause Them, and How They are Treated.”*
Faculty Sponsor - Dr. Vinayak Mathur
- Morency, Steven: *“The Investigation of Ocular Pathologies”*
Faculty Sponsor - Dr. Vinayak Mathur
- Rey López, Nicolás: *“Integrating Methyl Formate Dehydrogenation and Green Hydrogenation for Sustainable Energy and CO₂ Mitigation”*
Faculty Sponsor - Dr. Joseph Smith
- Rosario, Saige, Samantha Frederick, and Andrew Lunardi: *“Determination of Bacterial Numbers”*
Faculty Sponsor - Dr. Sheryl Fuller-Espie
- Rosario, Saige: *“The effects of allopathic medicine versus herbal medicine on women with Polycystic Ovary Syndrome”*
Faculty Sponsor - Dr. Vinayak Mathur
- Staniewski, Abaigeal: *“PFAS Exposure and the Effects on Human Biology”*
Faculty Sponsor - Dr. Joseph Smith

Sociology & Criminology Department

- Coulibaly, Aichata: *“Social Isolation and Academic Achievement: Unanticipated Impacts of the Covid-19 Shutdowns of 2020”*
Faculty Sponsor - Dr. Katie Farina
- Davis, Hailey: *“Parental Alcohol Abuse and Offspring Acquired Traits”*
Faculty Sponsor - Dr. Katie Farina
- Davis, Sheyani: *“The Relationship between Parenting Styles and Mental Health”*
Faculty Sponsor - Dr. Katie Farina
- Duke, Caroline: *“The Relationship Between Rape Myth Acceptance and Media Consumption”*
Faculty Sponsor - Dr. Katie Farina
- Gallagher, Caroline: *“Coach-Athlete Relationship and its Effect on Mental Health”*
Faculty Sponsor - Dr. Katie Farina
- Ganster, Griffin: *“Student Athlete and Non Athlete”*
Faculty Sponsor - Dr. Katie Farina
- Gouliaberis, Fotini: *“Exploring the Impact of Depression and Anxiety on Academic Performance: A GPA Perspective”*
Faculty Sponsor - Dr. Katie Farina
- Hassall, Caroline: *“The Role of Gender and Past Relationships in College Student’s Perceptions of Stalking and Cyberstalking”*
Faculty Sponsor - Dr. Katie Farina
- Owens-Carvalho, Mone't: *“Human Trafficking Perceptions in Social Science Majors & Higher Education”*
Faculty Sponsor - Dr. Katie Farina
- Pena, Brandon Elvira, Hailey Davis, and Shane Schaffer: *“Exploring the Impact of Basic Needs and Insecurities on College Students Academic Performance (GPA)”*
Faculty Sponsor - Dr. Katie Farina
- Raysor, Ashanti-Dominique: *“Media Effects on Perceptions of Rape and Sexual Assault”*
Faculty Sponsor - Dr. Katie Farina
- Schaffer Shane: *“Examining the Impact of Food Insecurity on a College Student’s Academic Performance and Mental Health”*
Faculty Sponsor - Dr. Katie Farina

- Tobelmann, Abigail: *“The Effect of Sport-Related Concussions on Mental Health”*
Faculty Sponsor - Dr. Katie Farina
- Uruchima, Justin: *“Gender and race and support for the death penalty”*
Faculty Sponsor - Dr. Katie Farina
- Vara-Alvirde, Claudia: *“Perceptions on Violent Mass Media and its Impact on Children”*
Faculty Sponsor - Dr. Katie Farina
- Williams, Jordan: *“The Impact of Stress on College Dropout Intentions”*
Faculty Sponsor - Dr. Katie Farina
- Young, Abigail: *“Examining the Influence of Demographic Factors on College Students’ Perceptions of Human Trafficking”*
Faculty Sponsor - Dr. Katie Farina

The School of Business, Education, and Professional Studies

Communication Department

- Kowalik, Teagan: *“Social Media and its Impact on Development”*
Faculty Sponsor - Dr. John Cordes
- Shultz, Emily: *“The Correlation Between Childhood Music and Self-Identity in Adults Aged 30 and Over”*
Faculty Sponsor - Dr. John Cordes
- Villanueva Contreras, Naydelyn: *“Did COVID-19 affect college students?”*
Faculty Sponsor - Dr. John Cordes

10:30 am - 11:30 am

Graphic Design Artwork Exhibition

(Gorevin Gallery, Holy Spirit Library)

- **Grace Campagna**
“Wellnest Avian Insurance Visual Branding”
Faculty Sponsor- Professor Jeanne Komp
- **Anthony Chiaravalloti**
“Barkside Pet Hotel Visual Branding”
Faculty Sponsor- Professor Jeanne Komp
- **Jaden Covington**
“Rosenquist Exhibition Brochure & Signage”
Faculty Sponsor- Professor Jeanne Komp
- **Leah Jones**
“Groove House Visual Branding”
Faculty Sponsor- Professor Jeanne Komp
- **Troy Norman**
“Dunkin Gift Card Illustrations”
Faculty Sponsor- Professor Jeanne Komp
- **Lauren Perkins**
“Vineyard Goddess Package Design”
Faculty Sponsor- Professor Jeanne Komp
- **Kendall Trumbore**
“Victorian Modern Book Design”
Faculty Sponsor- Professor Jeanne Komp

1:00 pm - 4:30 pm

Undergraduate Oral Presentations

(*Founder's Hall - various locations*)

[View Abstract Book](#)



Session #1 1:00 pm - 2:00 pm

1.1 Founder's Hall Room 207

Moderator: Dr. Gifty Akomea Key

- Abigail Flanagan: "*The Battle on and off The Field: A look into the Mental Health of Collegiate Athletes*"
Faculty Sponsor - Dr. Gifty Akomea Key
- Na'im Roberts: "*Mye Heart & Sole*"
Faculty Sponsor - Dr. Gifty Akomea Key
- Yeredith Cruz: "*#Unfiltered: The impacts of social media on body image, and self-esteem*"
Faculty Sponsor - Dr. Gifty Akomea Key

1.2 Founder's Hall Room 208

Moderator: Dr. Sheryl Fuller-Espie

- Saige Rosario and Avery Byrnes: "*Use of flow cytometry and SYTO 13 to measure enhanced endospore formation in Bacillus subtilis following exposure to heat, UV, and pH changes during vegetative growth*"
Faculty Sponsor - Dr. Sheryl Fuller-Espie
- Abaigeal Staniewski: "*Cardiovascular Death Risks in Firefighters*"
Faculty Sponsor - Dr. Sheryl Fuller-Espie
- Julie Janetta: "*3D Printing Chemistry*"
Faculty Sponsor - Dr. Joseph Smith

1.3 Founder's Hall Room 211

Moderator: Dr. Amy Lee Persichetti

- Emily Lichius, Colin Tomzcak, Carina Shandy, Sara Hanley, Tracy McLaine-Scott, Gekeya Pinder, Aaron Rantanen, Sofia Fastuca, Ruben Bonilla, Elise Sperry, Janay Washington, and Mekhi Postell: "*Woodcrest Magazine Final Edition*"
Faculty Sponsor - Dr. Amy Lee Persichetti

Session #2 2:15 pm - 3:15 pm

2.1 Founder's Hall Room 207

Moderator: Dr. Gifty Akomea Key

- Nikita Kellman: *"The Result of Trauma (PNES)"*
Faculty Sponsor - Dr. Gifty Akomea Key
- Shekinah Hannibal: *"Love Hurts"*
Faculty Sponsor - Dr. Gifty Akomea Key
- Teren Lover-Williams- *"The Effects of Childhood Trauma"*
Faculty Sponsor - Dr. Gifty Akomea Key

2.2 Founder's Hall Room 208

Moderator: Dr. Sheryl Fuller-Espie

- Elizabeth Klimek: *"Exploration of the High-Performance Liquid Chromatography (HPLC) Instrument and Ketone Analyses"*
Faculty Sponsor - Dr. Joseph Smith
- Nicolas Rey Lopez: *"Comparative Analysis and Quantification via High Pressure Liquid Chromatography and Standard Addition Method"*
Faculty Sponsor - Dr. Joseph Smith

2.3 Founder's Hall Room 211

Moderator: Professor Marie Ranselle

- Brittany Aiken: *"Dreaming to Be Heard: A Black Mother's Perspective"*
Faculty Sponsor - Dr. Gifty Akomea Key
- Mayebay Kamara: *"How I See Me"*
Faculty Sponsor - Dr. Gifty Akomea Key
- Precious Balogun: *"Killadelphia: The city of Brotherly Love turned Opioid Hot Spot"*
Faculty Sponsor - Dr. Gifty Akomea Key

Session #3 3:30 pm - 4:30 pm

3.1 Founder's Hall Room 207

Moderator: Dr. Gifty Akomea Key

- **Jasmine Martinez: *"Alcohol, Nicotine & Nail Polish - A Documentary"***
Faculty Sponsor - Dr. Gifty Akomea Key
- **Samantha Frederick: *"Breaking Barriers and Stigmas: HIV Awareness, We All Just Want to Be Loved"***
Faculty Sponsor - Dr. Gifty Akomea Key

3.2 Founder's Hall Room 211

Moderator: Professor Marie Ranselle

- **Brianna Misseri: *"Mental Health in College Students: An Ongoing Crisis"***
Faculty Sponsor - Dr. Gifty Akomea Key
- **Cianni Smith: *"The Dying Reproduction of Black America"***
Faculty Sponsor - Dr. Gifty Akomea Key

4:30 pm - 6:00 pm

**Pierce Fellows Project Presentations:
The Way Forward: Ending Hunger and
Food Insecurity**

(Iadorola Center- Lecture Hall)

- **Nyla Wildman**
“Home Cooking for Community: Cozy Thursdays at Cabrini”
Project Mentor: Ms. Sheila Nalwoga
- **Deanna Harris, Rosaisela Ortiz-Pablo, Adrien Tamulavage-Ramos, Naydelyn Villanueva Contreras**
“From the Cabrini Greenhouse to Community Bucket Gardens with Martha’s Farm and C’CATE”
Project Mentor: Dr. Vinayak Mathur and Dr. Katie Farina
- **Jamila Snaith**
“Be a Good Samaritan: Reducing Food waste and maximizing dorm sustainability”
Project Mentor: Dr. Gene Frank
- **Zarsha Koolor**
“Bags of Love: Partnership with Face to Face”
Project Mentor: Ms. Gabriela Chauca
- **Tiara Colon**
“Design and Marketing Assistance for Local Food Pantries”
Project Mentor: Ms. Sheila Nalwoga
- **Michael Marburger**
“Collecting & Applying Data at Martha’s Choice Marketplace”
Project Mentor: Dr. Gene Frank
- **Mariana Cruz-Sanchez**
“Global and Local Hunger: CRS Rice bowl and Food Fast”
Project Mentor: Dr. Jerry Zurek
- **Yeredith Cruz**
“Health Navigators: Providing aid to the vulnerable population”
Project Mentor: Dr. Gifty Akomea Key

Acknowledgments

Dean of Academic Affairs

Dr. Michelle Filling-Brown

Symposium Committee

Dr. Lyn Berenato

Dr. Sheryl Fuller-Espie (Co-chair)

Alexis Jankowski

Patricia Stocker

Dr. Michelle Szpara (Co-chair)

Program and Abstract Book Covers and Advertising Designs

Anna Ha Vu, Grace Campagna, Lauren Perkins,
Leah Jones, Troy Norman, Lukasz Jampoler
(undergraduate students of Professor Luzette Lehman)

Poster Printing

Professor Jeanne Komp

Bridget O'Donnell

Moderators – Undergraduate Oral Sessions

Dr. Sheryl Fuller-Espie

Dr. Gifty Akomea Key

Dr. Amy Lee Persichetti

Professor Marie Ranselle

Conference and Events Staff

Felix Rodriguez Ortega

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Arts & Research Symposium 2024

Pavilion
Entrance

