UNDERGRADUATE RESEARCH AND CREATIVE INQUIRY DAY
THURSDAY, MAY 5, 2022

New York City Campus
One Pace Plaza and 41 Park Row

9:30 a.m. - 5:00 p.m.

FULL-DAY SCHEDULE

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<td>9:30 a.m.-10:50 a.m.</td>
<td>Welcome and Plenary Presentation — Bianco Room</td>
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<td>11:00 a.m.-1:00 p.m.</td>
<td>Art Presentations — Art Gallery</td>
<td>Poster Presentations — Student Center East and West</td>
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<td>1:00 p.m.-1:50 p.m.</td>
<td>Luncheon — Bianco Room</td>
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<td>2:00 p.m.-3:00 p.m.</td>
<td>First Concurrent Afternoon Panel Sessions 1 through 3</td>
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<td>3:10 p.m.-4:10 p.m.</td>
<td>Second Concurrent Afternoon Panel Sessions 4 through 6</td>
<td>Panel sessions are in 3rd floor classrooms, One Pace Plaza</td>
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<td>4:20 p.m.-5:00 p.m.</td>
<td>Reception — Bianco Room</td>
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UNDERGRADUATE RESEARCH AND CREATIVE INQUIRY DAY
THURSDAY, MAY 5, 2022

9:30 a.m. — Bianco Room, One Pace Plaza

Welcome
Dr. Maria T. Iacullo-Bird
Assistant Provost for Research, Pace University

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Plenary Session — 9:35 a.m.-10:50 a.m.
Co-Curricular Research Models: The Federal Reserve and Fiscal Teams

Moderator/Faculty Mentor: Prof. Mark L. Weinstock, Dyson/Economics

The College Federal Reserve Challenge Competition and its Life-long Impact on Research Skills Needed for Career Development & Success
Student Presenters:
Winnie Liu, Dyson/Economics
Fiona C. Waterman, Dyson/Economics
Casey M. Cloutier, Dyson/Economics
Kate E. Fong, Dyson/Economics

The National College Fiscal Challenge as an Ultimate Research/Presentation Experience
Student Presenters:
Carlton Allison, Dyson/Economics
Brandon D. Diaz, Dyson/Economics
Courtney A. Koprowicz, Dyson/Economics
Isabelle LaBianco, Dyson/Economics | Film and Screen Studies

10:50 a.m.

Greeting
Dr. Vanya Quiñones
Provost and Executive Vice President for Academic Affairs
Concurrent Art and Poster Sessions — 11:00 a.m.-1:00 p.m.

Project Studio – Art Gallery, 41 Park Row, 11:00 a.m.-1:00 p.m.

1) Escapism
   Student Presenter: Kennison J. Amill, Dyson/Art
   Faculty Mentor: Prof. Roger Sayre, Dyson/Art

2) Reconnecting Fragments
   Student Presenter: Kayla E. Bugeya, Dyson/Art
   Faculty Mentor: Prof. Roger Sayre, Dyson/Art

3) If I Am Only My Thoughts
   Student Presenter: Elizabeth Burger, Dyson/Art
   Faculty Mentor: Prof. Roger Sayre, Dyson/Art

4) Perilous Tales of Danger
   Student Presenter: Anthony Cavicchia, Dyson/Fine Arts
   Faculty Mentor: Prof. Roger Sayre, Dyson/Art

5) Self-Reflection
   Student Presenter: Yessenia M. Cruz, Dyson/Fine Arts
   Faculty Mentor: Prof. Roger Sayre, Dyson/Art

6) Good God Get a Grip Girl
   Student Presenter: Dominique A. Johnson, Dyson/Art
   Faculty Mentor: Prof. Roger Sayre, Dyson/Art

7) Tub Talks
   Student Presenter: Lauren G. Luspo, Dyson/Communication Studies
   Faculty Mentor: Prof. Roger Sayre, Dyson/Art

8) Realism and Abstraction
   Student Presenter: Harry C. Marcus, Dyson/Art
   Faculty Mentor: Prof. Roger Sayre, Dyson/Art
9) *Tallarines Verdes*
   Student Presenter: Alixandra Matos, Dyson/Film and Screen Studies
   Faculty Mentor: Prof. Roger Sayre, Dyson/Art

10) *Looking Back I Saw..., and I Felt..., and I was*
    Student Presenter: Imani V. Nelson, Dyson/Fine Arts
    Faculty Mentor: Prof. Roger Sayre, Dyson/Art

11) *Without a Map*
    Student Presenter: Tashfia H. Raisa, Dyson/Art
    Faculty Mentor: Prof. Roger Sayre, Dyson/Art

12) *Give Us Grace*
    Student Presenter: Destini L. Smith, Dyson/Art
    Faculty Mentor: Prof. Roger Sayre, Dyson/Art

13) *VR Video: Memoir of @12years_old*
    Student Presenter: Jiajia Wu, Dyson/Fine Arts
    Faculty Mentor: Prof. Roger Sayre, Dyson/Art

**Museum Studies**

14) *Sanitation Celebration Exhibition at Pace University Art Gallery*
    Student Presenters:
    Olivia M. Hawkins, Dyson/Film and Screen Studies
    Meghan R. Healy, Dyson/History
    Faculty Mentor: Prof. Sarah B. Cunningham, Dyson/Art
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Poster Session – Student Center East and West, One Pace Plaza, 11:00 a.m.-1:00 p.m.

1) **Breaking Down the Misconceptions Behind Makeup Usage**  
   Student Presenter: Alyssa C. Alvarez, Dyson/Women and Gender Studies  
   Faculty Mentor: Ms. Lindsey Lee, Honors College

2) **The Shape of Timbre: An Analysis of the Spectra of Various Musical Instruments**  
   Student Presenter: Jonathan T. Call, Dyson/Forensic Science  
   Faculty Mentor: Dr. Erik Lascaris, Dyson/Chemistry & Physical Sciences

3) **Investigating Differences in Firearm-Related Intimate Partner Homicides Rates by Race/Ethnicity using the National Violent Death Reporting System (NVDRS)**  
   Student Presenter: Shirly Chen, College of Health Professions/Health Science  
   Faculty Mentor: Dr. Erica L. Gollub, College of Health Professions/Health Science Program

4) **Your Morning Metals: Iron Content in Cereal**  
   Student Presenter: Olivia L. Cullen, Dyson/Chemistry  
   Faculty Mentor: Dr. Elmer-Rico E. Mojica, Dyson/Chemistry & Physical Sciences

5) **Sustainability in the Fashion Industry**  
   Student Presenter: Kristin P. Desousa, Lubin/Marketing  
   Faculty Mentor: Prof. Leigh Anne Novak Donovan, Lubin/Marketing

6) **Covid-19 & Broadway: A Comparative Analysis of the Shifting Marketing Strategies of Playbill and The Broadway League**  
   Student Presenter: Leah M. Gaffney, Lubin/Advertising and Integrated Marketing Communications  
   Faculty Mentor: Prof. Christopher D. Ramos, Lubin/Arts & Entertainment Management

7) **The Utilization of Mobile Applications in the Battle Against Household**  
   Student Presenter: Natalie Garcia, Seidenberg School of CSIS/Computer Science  
   Faculty Mentor: Dr. James P. Lawler, Seidenberg School of CSIS
8) Extraction of Propolis Samples for Commercial Use  
Student Presenter: Jennifer Hutnik, Dyson/Chemistry  
Faculty Mentor: Dr. Elmer-Rico E. Mojica, Dyson/Chemistry & Physical Sciences

9) Access to the COVID-19 Vaccine in The Gambia  
Student Presenter: Aisha Jawara, College of Health Professions/Health Science  
Faculty Mentor: Dr. Ana B. Amaya, College of Health Professions/Health Science Program

10) Hulu User Interface Redesign  
Student Presenter: Danielle Jones, Seidenberg School of CSIS/Computer Science  
Faculty Mentor: Prof. Brenda McManus, Dyson/Art

11) How Pre vs. Post Social Media Musicians Market Their Brand  
Student Presenter: Emily H. Jones, Dyson/Communication Studies  
Faculty Mentor: Dr. Aditi Paul, Dyson/Communication Studies

12) How and Why Does the Idea of Exclusivity Contribute to the Success of the Brand?  
Student Presenter: Mitchell D. Kamm, Lubin/Business Management  
Faculty Mentor: Dr. Andrew O. Coggins, Lubin/Management & Mgt Science

13) A Cholesterol-Mediated Metabolic Shift Protects Mycobacterium Bovis-BCG from GSH Induced Reductive Stress Killing by Altering GSH/GSSG Ratios  
Student Presenter: Alexa R. Karp, Dyson/Biology  
Faculty Mentor: Dr. Marcy A. Kelly, Dyson/Biology

14) Can a nudge encourage college students to register as organ donors?  
Student Presenter: Isabelle LaBianco, Dyson/Economics | Film and Screen Studies  
Faculty Mentor: Dr. Mary A. Kaltenberg, Dyson/Economics

15) Climate Change Inclusion within State Science Standards of High Schools in the United States  
Student Presenter: Annunziata Mazzella, Dyson/Environmental Studies  
Faculty Mentor: Dr. E. Melanie DuPuis, Dyson/Environmental Studies and Sciences

16) How Did the Policies of COVID-19 Impact Oil Prices Globally?  
Student Presenter: Everton Mendoza-Holmes, Dyson/Business Economics  
Faculty Mentors: Dr. Anna Shostya; Prof. Mark L. Weinstock, Dyson/Economics
17) **QAnon and the Driving Factors That Have Amplified the Conspiracy Group**  
Student Presenter: Rina Myeku, Dyson/Political Science  
Faculty Mentor: Dr. Meghana Nayak, Dyson/Women and Gender Studies | Political Science

18) **Antioxidant Activities of Several Commercial Tea Samples**  
Student Presenter: Alyssa O'Connor, Dyson/Forensic Science  
Faculty Mentor: Dr. Elmer-Rico E. Mojica, Dyson/Chemistry & Physical Sciences

19) **The Impacts of Climate Change on Migration in Central America and the Caribbean (CAC)**  
Student Presenter: Michelle M. Otto, Dyson/Political Science  
Faculty Mentor: Dr. Meghana Nayak, Dyson/Women and Gender Studies | Political Science

20) **The Developmental Plan of Inflorescence Circumnutation in Arabidopsis thaliana**  
Student Presenter: Sofia M. Perez, Dyson/Biology  
Faculty Mentor: Dr. Eric D. Brenner, Dyson/Biology

21) **Examining Perceived Decision-Making Power Among University Community Members**  
Student Presenter: Joseph Peterson, Lubin/Arts & Entertainment Management  
Faculty Mentor: Dr. Marcella T. Szablewicz, Dyson/Communication Studies

22) **Chromatographic Analysis of Bee Propolis from The European**  
Student Presenter: Lawrence Phillips, Dyson/Forensic Science  
Faculty Mentor: Dr. Elmer-Rico E. Mojica, Dyson/Chemistry & Physical Sciences

23) **Financial Literacy, Education and Wealth**  
Student Presenter: Tairys Romero, Lubin/Finance  
Faculty Mentor: Dr. Marcus V. Braga Alves, Lubin/Finance and Economics

24) **Exploring Societal Determinants of COVID Death Rate Over Time**  
Student Presenter: Shayan Saniei, Dyson/Biology  
Faculty Mentor: Dr. Erika Crispo, Dyson/Biology

25) **The Return of Flat Design: Logo Design Influenced by Small Screens**  
Student Presenter: Amy K. Vander Heyden, Lubin/Arts & Entertainment Management  
Faculty Mentor: Prof. Derek R. Stroup, Dyson/Art
26) The Effects of Different Restoration Practices on the Soil Bacterial AND Fungal Communities in a Cloud Forest in Monteverde, Costa Rica
   Student Presenter: Brookelynne A. Verrette, Dyson/Biology
   Faculty Mentor: Dr. William D. Eaton, Dyson/Biology

27) Qualitative Analysis of Various Chemicals by Using Gas Chromatography-Mass Spectrometry (GC-MS)
   Student Presenter: Hanbo Wang, Dyson/Chemistry
   Faculty Mentor: Dr. Rita K. Upmacis, Dyson/Chemistry & Physical Sciences

Luncheon — 1:00 p.m.–1:50 p.m. — Bianco Room, One Pace Plaza
Panel Session 1: Gaming, Debugging and Big Data — Room E325
Moderators: Prof. Carmine T. Guida and Dr. Jun Yuan

A Journey to Somewhere
Student Presenter: Lauren V. DeMaio, Seidenberg School of CSIS/Computer Science
Faculty Mentor: Prof. Carmine T. Guida, Seidenberg School of CSIS

Rust - A Better Debug
Student Presenter: Alexs O. Wijoyo, Seidenberg School of CSIS/Computer Science
Faculty Mentor: Dr. Jun Yuan, Seidenberg School of CSIS

Big Data and the Big Three Social Media Companies: An Analysis of Instagram, Snapchat, and Twitter Data Policies and Recommendations for Regulatory Reform
Student Presenter: Saloni Shah, Dyson/Economics | Political Science
Faculty Mentor: Dr. Jessica A. Magaldi, Lubin/Legal Studies and Taxation

Panel Session 2: Scholarly Perspectives on Grassroots Activism — Room E306
Moderators: Dr. Emily E. Welty and Dr. Claire D. Panetta

Solo El Pueblo Salva al Pueblo: Only the People Can Save the People
Student Presenter: Mayana N. Torres, Dyson/Peace and Justice Studies | History
Faculty Mentor: Dr. Emily E. Welty, Dyson/Peace and Justice Studies

The Stickers on the Bridge
Student Presenter: Nathaniel M. Crystal, Dyson/Sociology and Anthropology | Political Science
Faculty Mentor: Dr. Claire D. Panetta, Dyson/Sociology and Anthropology
Moderators: Dr. Michael H. Finewood, Dr. Weihua Niu and Prof. Thomas T. Nguyen

A Needs Assessment of Watershed Groups in the Hudson River Watershed
Student Presenter: Jane E. Toyber, Dyson/Environmental Science
Faculty Mentor: Dr. Michael H. Finewood, Dyson/Environmental Studies and Sciences

Body Mass Index Moderates the Relationship between Negative Emotions and Disordered Eating
Student Presenter: Emilija Blozyte, Dyson/Psychology
Faculty Mentor: Dr. Weihua Niu, Dyson/Psychology

Living Sculpture in Nature
Student Presenter: Jiajia Wu, Dyson/Fine Arts
Faculty Mentor: Prof. Thomas T. Nguyen, Dyson/Art

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Second Concurrent Afternoon Panel Session — 3:10 p.m.-4:10 p.m.
Panels are in 3rd floor classrooms, One Pace Plaza

Panel Session 4: The Economics of Marine Protection, the USDOD and Film, and Energy Trade — Room E325
Moderators: Dr. Anna Shostya, Prof. Mark L. Weinstock and Dr. Todd R. Yarbrough

The Effects of Marine Protected Areas on Fishing Exports in OECD Countries
Student Presenter: Maria A. Andrukhiv, Dyson/Economics | Political Science
Faculty Mentor: Dr. Anna Shostya, Dyson/Economics

A Study of the Impact of US Department of Defense and Movie Industry Cooperation on Military Application Rates
Student Presenter: Lindsay M. Varzarevsky, Dyson/Business Economics
Faculty Mentor: Prof. Mark L. Weinstock, Dyson/Economics

The United States and Mexico's Energy Trade and Economic Relationship: The Current Policies’ Effect on Ecosystem Services in the Borderlands
Student Presenter: Simone M. Hougham, Dyson/Environmental Science
Faculty Mentor: Dr. Todd R. Yarbrough, Dyson/Economics
Moderators: Dr. Sid E. Ray and Dr. Maria Iacullo-Bird

He is Our Bard as Well as Yours: Recovering the Lost Black Involvement in Early American Theatre
Student Presenter: Kailey G. Liddell, Dyson/English Language and Literature
Faculty Mentor: Dr. Sid E. Ray, Dyson/English

Pace University Oral History Project: COVID-19 and the Black Lives Matter Movement
Student Presenter: Madison A. Turunen, Dyson/History | Peace and Justice Studies
Faculty Mentor: Dr. Maria T. Iacullo-Bird, Dyson/History

Panel Session 6: Youth Activism in the Anti-Trafficking Movement — Room E305
Moderator: Dr. Emily C. Bent

The Passion for Change Knows No Age: An Exploration of Youth Leadership in the Anti-Trafficking Movement
Student Presenters:
Maria E. Escobar Acosta, Dyson/Women and Gender Studies
Caitlen Macias, Columbia University School of Social Work
Dahlia Locke, Pomona College
Matthew Kodsi, Packer Collegiate Institute
Faculty Mentor: Dr. Emily C. Bent, Dyson/Women and Gender Studies

Reception — 4:20 p.m.-5:00 p.m. — Bianco Room, One Pace Plaza