

DYSON COLLEGE OF ARTS AND SCIENCES

43<sup>rd</sup> ANNUAL MEETING  
*of the*  
SOCIETY OF FELLOWS



SATURDAY, March 16, 2024  
PACE UNIVERSITY  
ONE PACE PLAZA  
NEW YORK, NY

THE SOCIETY OF FELLOWS  
DYSON COLLEGE OF ARTS AND SCIENCES  
PACE UNIVERSITY

43<sup>rd</sup> ANNUAL MEETING  
SATURDAY, March 16, 2024  
ONE PACE PLAZA

FULL-DAY SCHEDULE

- 9:30am Registration and Breakfast—Student Center  
*Buffet in Zannino Room. Beverages in Student Center.*
- 10:00am Annual Meeting Welcome—Student Center
- 10:15am Plenary Presentations—Student Center
- 11:45am Break
- 12:00pm Poster Session—Main Lobby
- 1:00pm Luncheon—Student Center  
*Buffet in Zannino Room. Beverages and dessert in Student Center.*
- 2:15pm First Concurrent Afternoon Panel Sessions 1 through 6—Fifth Floor
- 3:15pm Break  
*Water in Lounge on Fifth Floor.*
- 3:30pm Second Concurrent Afternoon Panel Sessions 7 through 13—Fifth Floor
- 4:30pm Break
- 4:45pm Awards Reception—Student Center  
*Buffet in Zannino Room. Reception in Main Lobby following awards.*

Transportation: Bus departs from Goldstein Fitness Center on Pleasantville campus at 7:30am and returns from Gold & Spruce Street on New York campus at 5:30pm.

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*THE EXECUTIVE BOARD ACKNOWLEDGES WITH GRATITUDE ALL FACULTY SPONSORS, JUDGES, AND MODERATORS FOR THEIR SUPPORT OF THE SOCIETY OF FELLOWS OF DYSON COLLEGE.*

THE SOCIETY OF FELLOWS  
DYSON COLLEGE OF ARTS AND SCIENCES  
PACE UNIVERSITY

43<sup>rd</sup> ANNUAL MEETING

9:30am      **Registration and Breakfast**—Student Center

10:00am      **Annual Meeting Welcome**—Student Center

Judith Pajo, PhD  
Chair, Society of Fellows of Dyson College

Tresmaine Grimes, PhD  
Dean, Dyson College of Arts and Sciences

10:15am      **Plenary Presentations**—Student Center

*Unmanning Richard II: The Inherited Queer Discourse of Ricardian Chronicles*

Cailyn Mickelsen; Faculty Sponsor: Sid Ray, PhD

*Beyond the Curse: Navigating the Web of History, Psychology, and Ideology in The Brief Wondrous Life of Oscar Wao*

Louisa Mireya Moquete Bautista; Faculty Sponsor: R. Emilio Fernández, PhD

*Immigration Reform and the Labor Market: Examining SB1070's Wage Implications*

Anastasia Khanukov; Faculty Sponsor: Mary Kaltenberg, PhD

*Unsheltered Resilience and Spatial Policing*

Dante Dallago; Faculty Sponsor: Emily Welty, PhD

Faculty Moderator: Maria-Iacullo-Bird, PhD

Assistant Provost for Research, Pace University

11:45am      **Break**

12:00pm      **Poster Session**—Main Lobby

Presiding, Judith Pajo, PhD  
Chair, Society of Fellows of Dyson College

*Antioxidant Properties of Taurine and Catalin Eye Drops*

Morgan Amos; Faculty Sponsor: Irina Gazaryan, PhD

*Sex-Dependent Differences in the Production of the Vascular Lipid Signaling Molecule Prostacyclin*

Kristen Benes; Faculty Sponsor: Rita Upmacis, PhD

*Comparing Antioxidant Activities among Bigelow's Assorted Teas*

Isabella Birjandi; Faculty Sponsor: Elmer-Rico Mojica, PhD

*Antioxidant Activity of Ashwagandha Tea Samples*

Julie Bogad; Faculty Sponsor: Elmer-Rico Mojica, PhD

*Comparative Analysis of Antioxidant Activities of Fruit Tea Samplers from Celestial*

Sterling Crandall; Faculty Sponsor: Elmer-Rico Mojica, PhD

*Antioxidant Assessment of Different Lipton Tea Selection*

Elizabeth Daley; Faculty Sponsor: Elmer-Rico Mojica, PhD

*Analyzing the Mechanism of Melanoma Cell Death Induced by ACLY Inhibition in a 3D Cancer Model*

Michael Ferretti; Faculty Sponsor: Nancy Krucher, PhD

*Chemical Characterization of Different Solvent Fractions of Two Bee Pollen Samples*

Nicole Gaspar; Faculty Sponsor: Elmer-Rico Mojica, PhD

*Exploring the Health Benefits of Ready-to-Drink Teas*

Daphne Hernandez; Faculty Sponsor: Elmer-Rico Mojica, PhD

*Antioxidant Activity of Commercially Available Bee Propolis Sprays*

Jessica Higgins; Faculty Sponsor: Elmer-Rico Mojica, PhD

*Towards Novel Drug Delivery Systems: Degradation and Swelling of Disulfide Cross-linked, Fluorescently Labelled, Thermophilic Microgels in the Presence of Glutathione at Different PH*

Ali Hoy; Faculty Sponsor: Sergey Kazakov, PhD

*Cryptographic Key Exchange*

William Koumbaros; Faculty Sponsor: Shamita Dutta Gupta, PhD

*Analysis of a Toothache Reliever Product*

Kayla Lucas; Faculty Sponsor: Elmer-Rico Mojica, PhD

*Comparative Antioxidant Activity of Commercial Herbal Tea Samples*

Julia McReynolds; Faculty Sponsor: Elmer-Rico Mojica, PhD

*Characterization of Tris(6-bromo-2-pyridylmethyl)amine Using Crystallographic and Spectroscopic Techniques*

Trinit'y Mitchell; Faculty Sponsor: Rita Upmacis, PhD

*Relationship between the Silk Road and Establishment Years of Cities in Central Asia*

Anna Nahata; Faculty Sponsor: Wei Fang, PhD

*Do Enzymes in Muscle lysates Identify Pathophysiological Changes in Heart Failure?*

Michelle Novominski; Faculty Sponsor: Charlene Hoegler, PhD

*Identifying Expired Medications Using Spectroscopic Techniques*

Jovan Palinkas; Faculty Sponsor: Elmer-Rico Mojica, PhD

*Spectroscopic Sweetness: Delineating Honey Authenticity from Syrup Adulterants via ATR-FTIR Analysis*

Thomas Panzera; Faculty Sponsor: Elmer-Rico Mojica, PhD

*Are Invasive Woody Vines Outcompeting Native Tree and Shrub Species Due to Factors Exacerbated by Climate Change?*

Daniel Rivera; Faculty Sponsor: Wei Fang, PhD

*Antioxidant Capacity of Various European Bee Propolis Samples*

Natalie Rodrigues; Faculty Sponsor: Elmer-Rico Mojica, PhD

*Urbanization History of Surviving Cities along the Ancient Silk Road*

Mark Shelan; Faculty Sponsor: Wei Fang, PhD

*ATF4 and JNK pathway Mediate Apoptosis in Response to ACLY Inhibition*

Anastasiia Vaska; Faculty Sponsor: Nancy Krucher, PhD

*Benzoic Acid and Caffeine Content of Different Energy Drinks*

Amy Yarygina; Faculty Sponsor: Elmer-Rico Mojica, PhD

*Antioxidant Activity of Commercial Herbal Tea Samples from the Philippines*

Muxi Zhang; Faculty Sponsor: Elmer-Rico Mojica, PhD

&

Special: Prestigious Awards and Graduate Fellowships

Hosted by Moira Egan, PhD

1:00pm **Luncheon**—Student Center

Roundtable 1: How to Become a Fellow

Hosted by R. Emilio Fernández, PhD

Roundtable 2: Undergraduate Research Opportunities at Pace

Hosted by Maria Iacullo-Bird, PhD

Roundtable 3: Alumni Reunion

Roundtable 4: Weekend Seminar Reunion

*Start your own conversations at the other tables!*

2:15pm **First Concurrent Afternoon Panel Sessions 1 to 6**—Fifth Floor

**Session A1 Verse and Vision in the City**

Art &  
English

*Bedtime Stories from Brooklyn*

Felicity Flores; Faculty Sponsor: Eugene Richie, PhD

CIVIC W518  
2:15-3:15pm

*Upside Down*

Suzanne Smith; Faculty Sponsor: Jillian McDonald, MFA

Faculty Moderator: Adrienne Kapstein, MFA

**Session A2 Resilience and Transformation Amidst COVID-19**

History &  
Economics

*Factors Influencing Foreign Direct Investment Growth Before and During Covid*

Tri (Harvey) Minh Nguyen; Faculty Sponsor: Sam Baruch

CIVIC W514  
2:15-3:15pm

*How COVID-19 School Closures Impacted Education Inequality in America: A Statewide Study from 2017-2022*

Lauren Perez; Faculty Sponsor: Kier Hanratty, PhD

*Understanding COVID through Oral History: The COVID-19 and Black Lives Matter Movement Oral History Project*

Jillian Igeneri; Faculty Sponsor: Maria Iacullo-Bird, PhD

Faculty Moderator: Kier Hanratty, PhD

**Session A3 Sustainability: Local and Global Trends**

Anthropology  
& Economics

*A Global Analysis of Greenhouse Gas Emissions in 2021*

Gunnar Freeman; Faculty Sponsor: Sam Baruch

CIVIC W507  
2:15-3:15pm

*Community Composting and Its Value to an Urban Environment*

Marcella Landa; Faculty Sponsor: Judith Pajo, PhD

Faculty Moderator: Judith Pajo, PhD

First Concurrent Afternoon Panel Sessions 1 through 6, Continued

**Session A4**

Economics  
CIVIC W511  
2:15-3:15pm

**Measuring Up Markets**

*Degrees and Downturns: A Study Investigating the Effect of Graduation Year on Earnings and Primary Job Promotion*

Mariam Elzoghby; Faculty Sponsor: Mary Kaltenberg, PhD

*Measuring the Impact of Combining Savings Vehicles on Confidence*  
Giselle Garriga; Faculty Sponsor: Mary Kaltenberg, PhD

*Understanding Transactional Tri-Party Repo Market Volume*  
Suraj Sharma; Faculty Sponsor: Sam Baruch

*Impact of Macroeconomics Policies on the Real Estate Market in NYC*  
Viktoria Yevtushenko; Faculty Sponsor: Todd Yarbrough, PhD

Faculty Moderator: Mary Kaltenberg, PhD

**Session A5**

English &  
Psychology  
CIVIC W509  
2:15-3:15pm

**Human Dynamics in Education**

*The Impact of Parental Preferences and Beliefs About Play on Child Play Activities*

Megan Sánchez; Faculty Sponsor: Brenna Hassinger-Das, PhD

*Barriers to Success: The Influence of Classroom Dynamics*  
Faith Gregory; Faculty Sponsor: Meaghan Brewer, PhD

*Syllabi In Action: Making Space for Student Bodyminds through Co-Constructed Syllabi*

Hannah Mills; Faculty Sponsor: Vyshali Manivannan, PhD

Faculty Moderator: Paul Griffin, PhD

**Session A6**

Philosophy,  
& Peace and  
Justice Studies  
CIVIC W512  
2:15-3:15pm

**Navigating Activism and Justice**

*From Ego to Eco: Transformative Lessons of Buddhist Non-Self for Global Citizenship*

Tyne Skelton; Faculty Sponsor: Brandyn Heppard, PhD

*Passing the Baton to the Next Generation and Then Shackling Their Feet to the Ground: Risk and Resilience in the Fight Against Florida's Don't Say LGBT Bill and the Impacts on Queer Youth Activists Well-Being*

LouiseWandesforde; Faculty Sponsor: Emily Welty, PhD

*Doula Activism: Navigating Social Justice in Harmful Systems*  
Mikayla Meachem; Faculty Sponsor: Emily Welty, PhD

Faculty Moderator: Brandyn Heppard, PhD

3:15pm **Break**—Water Bubbler in Lounge Area on Fifth Floor

3:30pm **Second Concurrent Afternoon Panel Sessions 7 to 13**—Fifth Floor

**Session B7 Kinship, Religion, Nationalism**

Art & Political Science  
CIVIC W518  
3:30-4:30pm

*Bollywood and Hindu Nationalism*  
Varshita Korrapati; Faculty Sponsor: Paul Londrigan, PhD

*The Interconnected Relationship Between Motherhood and Devotion*  
Amaya Washington; Faculty Sponsor: Zo Kambour, MA

Faculty Moderator: Zo Kambour, MA

**Session B8 Gender and Identity**

Literature & Peace and Justice Studies  
CIVIC W514  
3:30-4:30pm

*Beyond the Binary: Lady Macbeth's Exploration of Gender Duality in Shakespeare's Macbeth*  
Emilia Gillen; Faculty Sponsor: Sid Ray, PhD

*A Gay Old Time*  
Jack Niemczyk; Faculty Sponsor: Sid Ray, PhD

*Menstruating in America: The Care and Keeping of You*  
Kalina Walaski; Faculty Sponsor: Emily Welty, PhD

Faculty Moderator: Emily Welty, PhD

**Session B9 Media and Social Media**

Communications & Peace and Justice Studies  
CIVIC W512  
3:30-4:30pm

*Analysis on Controversial Topics and Threats on Freedom of Press in Pace University's Student Newspaper*  
Sahtrase McQueen; Faculty Sponsor: Katherine Fink, PhD

*TikTok, Trauma, and the Possibilities for Peace and Justice: The Impact of Trauma Language Misuse on Social Media*  
Margaret Kelly; Faculty Sponsor: Garrett FitzGerald, PhD

*Across the Pond: Globalization of Social Media between the US and the UK*  
Emily Whitehill; Faculty Sponsor: Satish Kolluri, PhD

Faculty Moderator: Garrett FitzGerald, PhD



Second Concurrent Afternoon Panel Sessions 7 through 13, Continued

**Session B10      Games, Players, and Controversies in Sports**

Communications & Economics      *An Analysis of Ja Morant's Gun Controversy*  
Samuel Bloodworth; Faculty Sponsor: Melvin Williams, PhD

CIVIC W509      *The Chicago Blackhawks Sexual Assault Case*  
3:30-4:30pm      Mia Condoleo; Faculty Sponsor: Melvin Williams, PhD

*First Round Loser Effect: An Econometric Analysis of First Round Success Rates in the NFL*

McKenna Moore; Faculty Sponsor: Mary Kaltenberg, PhD

*How Does the Presence of Star NBA Players Affect Arena Attendance?*

Shadman Rahman; Faculty Sponsor: Mary Kaltenberg, PhD

Faculty Moderators: Melvin Williams, PhD

**Session B11      Violence and Fear in Contemporary Society**

Economics & Peace and Justice Studies      *Lining Up for the Slaughter: Examining the Traumagenic Nature of Lockdown Drills as a Mode of Active-Shooter Preparedness in Schools*

CIVIC W505      Chandler Murphy; Faculty Sponsor: Emily Welty, PhD

3:30-4:30pm      *Serial Killer Motives: A Quantitative Investigation of Contributors to the Rise and Decline in Serial Killer Victims by State*

Kristina Nasteva; Faculty Sponsor: Sam Baruch

Faculty Moderator: Kier Hanratty, PhD

**Session B12      Healthcare Economics and Policies**

Economics      *Healthcare Access for Expecting Mothers: Assessing the Impact of Medicaid on Maternal Health*

CIVIC W507      Macey Cooper; Faculty Sponsor: Mary Kaltenberg, PhD

3:30-4:30pm      *An Analysis of The Factors That Contributed to The Global Declining Birth Rates In 2021*

Shaniah James; Faculty Sponsor: Sam Baruch

*Syringe Service Programs: What About 1:1?*

Izzy Vargas-Soto; Faculty Sponsor: Sam Baruch

Faculty Moderator: Greg Colman, PhD

Second Concurrent Afternoon Panel Sessions 7 through 13, Continued

**Session B13      International Developments**

Political Science & Economics      *Foreign Intervention in Laos: A Political and Economic Development Handicap*

CIVIC W511      Michael Conrad; Faculty Sponsor: Amy Freedman, PhD

3:30-4:30pm      *Deglobalization and the Reconfiguration of Global Value Chain in Asia*

Quang Huy Nguyen; Faculty Sponsor: Mark Weinstock, CBE

*Firm Characteristics that Cause Economic Resilience in Times of Financial Crisis. An Analysis of Turkish Firms During the Eurozone Crisis*

Thomas Shen; Faculty Sponsor: Mary Kaltenberg, PhD

Faculty Moderator: Mark Weinstock, CBE

4:30pm      **Break**

4:45pm      **Awards Ceremony**—Student Center  
Presiding, Judith Pajo, PhD  
Chair, Society of Fellows of Dyson College

## ANNOUNCEMENTS AND UPCOMING EVENTS

### **Initiation Ceremony**

April 16, 2024  
6-8pm, One Pace Plaza  
Pace University, New York

### **Weekend Seminar**

Fri-Sun, October 4-6, 2024  
Location: TBA

### **Transactions—Call for Papers**

Full-length research papers and artistic projects submitted to the 43<sup>rd</sup> Annual Meeting in 2024 are considered for publication in Volume 25 of Transactions. Students interested in being published are encouraged to revise their Annual Meeting papers with the help of their faculty sponsors and submit their original or revised papers or new entries such as honors theses to [sof@pace.edu](mailto:sof@pace.edu) by **Friday, May 31, 2024**. To be reviewed and considered for publication, work needs to be emailed by deadline.

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The Society of Fellows began in the fall of 1980 with a weekend seminar devoted to questions in applied ethics. The first class of fellows inducted at the formal inauguration of the society in December 1981 was named after distinguished philosopher and Pace faculty member William Barrett. Since then, a new class has been inducted annually and named after a member of our society who has made a significant contribution to the ideals that we hold important. To date, more than 700 students, faculty, and alumni hold the distinction of Fellow of Dyson College.

The Society of Fellows is the premier honors organization in Dyson College. The society fosters dialogue and scholarship across the fields of the arts and sciences through enriching experiences for students with exceptional academic and artistic abilities. The Society of Fellows provides students with opportunities to develop intellectual interests and present their research and creativity to the university community. Membership in the Society of Fellows gives recognition to advanced levels of student participation and achievement. Faculty who participate in Society of Fellows events and sponsor students also receive recognition as fellows.

Each fall the Society of Fellows sponsors the *Weekend Seminar* in which students, faculty, and alumni engage in discussions on a chosen topic in a casual, off-campus setting—usually in upstate New York. At the *Annual Meeting* of the Society of Fellows, which is a one-day student conference held in early spring, students showcase their faculty-mentored scholarly research and artistic projects. *Transactions*, the official publication of the fellows, features outstanding work written by Pace University students under the sponsorship of faculty members, many of whom are fellows. New members are recognized at the *Initiation Ceremony* held at the end of the spring semester. More information about the Society of Fellows is available at <https://www.pace.edu/dyson/life-dyson/society-of-fellows>.