

DYSON COLLEGE OF ARTS AND SCIENCES

43rd 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

43rd 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.

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

43rd 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 *Upside Down*
2:15-3:15pm 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*

CIVIC W514 Tri (Harvey) Minh Nguyen; Faculty Sponsor: Sam Baruch

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 Igneri; 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 *Community Composting and Its Value to an Urban Environment*
2:15-3:15pm 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

Viktoriia 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
Sahtrese 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	<i>Lining Up for the Slaughter: Examining the Traumagenic Nature of Lockdown Drills as a Mode of Active-Shooter Preparedness in Schools</i>
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Chandler Murphy; Faculty Sponsor: Emily Welty, PhD

CIVIC W505
3:30-4:30pm

Chandler Murphy; Faculty Sponsor: Emily Welty, PhD
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	<i>Healthcare Access for Expecting Mothers: Assessing the Impact of Medicaid on Maternal Health</i>
CIVIC W507	

CIVIC W507 *Medicaid on Maternal Health*
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 43rd 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 by **Friday, May 31, 2024**. To be reviewed and considered for publication, work needs to be emailed by deadline.



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 <http://www.pace.edu/dyson/sof>.