

PACE

UNIVERSITY

FALL UNDERGRADUATE RESEARCH SHOWCASE *For Summer 2021 Undergraduate Research Awardees*

Virtual Registration Link:

<https://pace.zoom.us/meeting/register/tJMtdOqsrz0tE9JvsUzwtJyN3tsRdUq7m2a2>

FRIDAY, NOVEMBER 12, 2021

10:00 a.m. - 4:30 p.m.

FULL-DAY SCHEDULE

10:00 a.m.	Fall Undergraduate Research Showcase Welcome
10:10 a.m.-11:00 a.m.	Session 1: Subway Augmented Reality, Invasive Species, and Activist Movements
11:10 a.m.-12:00 p.m.	Session 2: Music Licensing, Big Data Privacy, and Smart Pond
12:10 p.m.-1:00 p.m.	Session 3: Political Relationships, Zebrafish, and Robots
1:10 p.m.-2:00 p.m.	Session 4: Translation Studies, Bee Pollen, and Mathematical Analysis
2:10 p.m.-2:40 p.m.	Session 5: Assessing the Impact of COVID-19
3:00 p.m.-4:00 p.m.	Session 6: Antibiotic Resistance, and K-12 Reading Challenges
4:00 p.m.-4:30 p.m.	Informational Reception

FALL UNDERGRADUATE RESEARCH SHOWCASE
For Summer 2021 Undergraduate Research Awardees

FRIDAY, NOVEMBER 12, 2021
10:00 a.m.

Greeting

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

Welcome

Dr. Vanya Quiñones
Provost and Executive Vice President for Academic Affairs

Session 1 – 10:10 a.m.-11:00 a.m.

Subway Augmented Reality, Invasive Species, and Activist Movements

***New York Public Transportation AR Program and Experimental Sound Installation-
Commuters***

Student Presenter: Jiajia Wu, Dyson/Fine Arts
Faculty Sponsor: Prof. Jillian M. McDonald, Dyson/ Art

***Developing a Species Distribution Model to Identify the Drivers of Invasive Water
Chestnut in the Hudson River***

Student Presenter: Purnima Chopra, Dyson/Biology
Faculty Sponsor: Dr. Wei Fang, Dyson/Biology

***Observing and Analyzing the Growth of Activist Movements in St. James, Louisiana in
Retaliation Against Chemical Plants***

Student Presenter: Alexandra M. Kennedy, Dyson/Sociology and Anthropology
Faculty Sponsor: Dr. Claire D. Panetta, Dyson/Sociology and Anthropology

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Session 2 – 11:10 a.m.-12:00 p.m.
Music Licensing, Big Data Privacy, and Smart Pond

Taking Music into the Internet Age: Crafting a Music Licensing Scheme to Address 21 Century Concerns for Artists, Producers, and Consumers

Student Presenter: Samantha J. Dorsi, Dyson/Economics

Faculty Sponsor: Dr. Jessica A. Magaldi, Lubin/Legal Studies and Taxation

Big Data Privacy: Consent and Consequences

Student Presenter: Thanh Phuong Doan, Lubin/Finance

Faculty Sponsor: Dr. Jessica A. Magaldi, Lubin/Legal Studies and Taxation

Choate Pond Smart Pond

Student Presenter: Andrew T. Iadevaia, Seidenberg School of CSIS/Computer Science | Dyson/Mathematics

Faculty Sponsors: Prof. John Cronin and Prof. Leanne Keeley/Seidenberg School of CSIS

Session 3 – 12:10 p.m.-1:00 p.m.
Political Relationships, Zebrafish, and Robots

The Role of Gratitude in Buffering Cross-Party Political Relationships

Student Presenter: Sarah-Louise M. Baldwin, Dyson/Biology

Faculty Sponsor: Dr. Courtney L. Gosnell, Dyson/Psychology

Innervation of supernumerary hair cells induced by Dkk inhibition in zebrafish

Student Presenter: Tyler Deriggi, Dyson/Biology

Faculty Sponsor: Dr. Aaron B. Steiner, Dyson/Biology

Applying the Benefits of Robots to Help Elderly People with Disabilities in Low Income Neighborhoods

Student Presenter: Jodi A. Greene, Lubin/Business Analytics

Faculty Sponsor: Dr. James P. Lawler, Seidenberg School of CSIS

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FRIDAY, NOVEMBER 12, 2021

Session 4 – 1:10 p.m.-2:00 p.m.
Translation Studies, Bee Pollen, and Mathematical Analysis

Translation of Business Texts into French and Russian: A Comparative Analysis

Student Presenter: Casey M. Cloutier, Dyson/Economics | Modern Languages and Cultures

Faculty Sponsor: Dr. Andriy Danylenko, Dyson/Modern Languages and Cultures

Biological and Chemical Characterization of Bee Pollen

Student Presenter: Fernando Salcedo, Dyson/Biology

Faculty Sponsor: Dr. Elmer-Rico R. Mojica, Dyson/Chemistry and Physical Sciences

Linking Taylor's Law and Individual Size Distribution of Disturbed Ecological Communities Using Maximum Entropy Models

Student Presenter: Hannah M. Wyllie, Lubin/Business Management

Faculty Sponsor: Dr. Meng Xu, Dyson/Mathematics

Session 5 – 2:10 p.m.-2:40 p.m.
Assessing the Impact of COVID-19

Culture Matters: The impact of the Covid-19 pandemic on economic outcomes in 57 countries

Student Presenter: Everton Mendoza-Holmes, Dyson/Economics

Faculty Sponsor: Dr. Anna Shostya, Dyson/Economics

Parental Capitalization Support and Student Success During the Coronavirus Pandemic

Student Presenter: Sierra J. Metviner, Dyson/Psychology

Faculty Sponsor: Dr. Courtney L. Gosnell, Dyson/Psychology

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Session 6 – 3:00 p.m.-4:00 p.m.
Antibiotic Resistance, and K-12 Reading Challenges

Identification of Microorganisms of the Geni Rhodococcus and Psychrobacter with Antimicrobial Activity and their Potential to Fight the Antibiotic Resistance Crisis

Student Presenter: Brookelynn A. Verrette, Dyson/Biology
Faculty Sponsor: Dr. Marcy A. Kelly, Dyson/Biology

Team Pace: Remote Tutoring to Prevent Summer Reading Loss

Student Presenters:
Olivia M. Astrologo, School of Education/Childhood and Early Childhood Education

Morgan T. Brown, School of Education/Adolescent Education

Cecilia J. Puentes, School of Education/Childhood and Early Childhood Education

Faculty Sponsor: Dr. Shobana Musti, School of Education

Informational Reception – 4:00 p.m.-4:30 p.m.

Join us to learn about upcoming undergraduate research opportunities
Dr. Maria T. Iacullo-Bird
Assistant Provost for Research, Pace University