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
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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

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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 21st 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
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

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: Brookelynne 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