

PACE UNIVERSITY

SPRING 2024
UNDERGRADUATE RESEARCH AND CREATIVE INQUIRY DAY
Friday, April 26, 2024

Registration Link:

<https://pace.zoom.us/meeting/register/tJYkdeqvrz0jHNPynCjxwFWMeBo32pINfNGM>

10:00 a.m.
Welcome

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

10:10 a.m.-11:00 a.m.
Session 1: Social Science and Education

Understanding the Federal Reserve - Predicting FOMC Decisions Using Machine Learning

Student Presenter: Liam T. Chentoufi, Dyson | Economics
Faculty Mentor: Dr. Mary A. Kaltenberg, Dyson | Economics

The Founding of Gregorio Luperón High School: A Transnational Project in Anti-Colonialism

Student Presenter: Kiki D. Roca, School of Education | Early Childhood Education
Faculty Mentor: Dr. Laura Kaplan, School of Education

11:10 a.m.-12:00 p.m.
Session 2: Science and Computer Science

Assessing Innervation of Nascent Sensory Hair Cells in Zebrafish

Student Presenter: Joshua Ceisler, Dyson | Biology
Faculty Mentor: Dr. Aaron B. Steiner, Dyson | Biology

Assessing the Transformative Influence of Ride-Hailing Applications on Urban Mobility Patterns

Student Presenter: Arjuman Hossain, Seidenberg | Information Systems
Faculty Mentor: Dr. Catherine Dwyer, Seidenberg | Information Technology

Experiential Learning via Distributed Hardware Access in Computer Organization

Student Presenter: Erin Sorbella, Seidenberg | Computer Science
Faculty Mentor: Dr. Thomas M. Schmidt, Seidenberg | Computer Science

12:10 p.m.-1:10 p.m.
Session 3: Arts and Humanities

The Jazz Dance Manual: Guidelines for Teaching a Comprehensive Jazz Class

Student Presenter: Gina M. Marcinkowski, Sands | Commercial Dance
Faculty Mentor: Prof. Lauren R. Gaul, Sands | Performing Arts

We're Home

Student Presenters: Jordan E. Naidoo, Dyson | Anthropology
Kassandra Schengili, Dyson | Psychology
Faculty Mentor: Prof. Sarah Cunningham, Dyson | Art

Richard II as the Unman in Shakespeare's Contemporary Sources

Student Presenter: Cailyn E. Mickelsen, Dyson | English
Faculty Mentor: Dr. Sid Ray, Dyson | English

1:20 p.m.-2:20 p.m.
Session 4: Science

Melatonin Inhibits Circumnutation in Arabidopsis Thaliana

Student Presenter: Samara Durgadin, Dyson | Behavioral Neuroscience
Faculty Mentor: Dr. Eric Brenner, Dyson | Biology

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

Student Presenter: Michael Ferretti, Dyson | Biology
Faculty Mentor: Dr. Nancy A. Krucher, Dyson | Biology

Carbon Capture: Investigating Carbon Dioxide Removal via Chemical Reaction

Student Presenter: Trinit'y D. Mitchell, Dyson | Chemistry
Faculty Mentor: Dr. Rita K. Upmancis, Dyson | Chemistry/Physical Sciences

Genetic Analyses Reveal Biogeographical Patterns in the Greater Earless Lizard from the Southwestern United States and Mexico

Student Presenter: Thomas A. Panzera, Dyson | Chemistry
Faculty Mentor: Dr. Erika Crispo, Dyson | Biology

2:30 p.m.-3:15 p.m.
Closing Plenary

Presenting at the National Conference on Undergraduate Research (NCUR)

Panelists: Samara Durgadin and Cailyn E. Mickelsen