FCRH 14th ANNUAL UNDERGRADUATE RESEARCH SYMPOSIUM

Schedule of Presentations

Opening Remarks & Musical Performance, 12pm-1pm
Butler Commons, Duane

The Reverend Joseph M. McShane, S.J.
President of Fordham University

Asian/Asian-American Jazz: A Musical Analysis
Miguel Sutedjo

Please contact Dean Annunziato (annunziato@fordham.edu) if you would like to attend any of our in-person talks. They will be recorded as well.
Oral Presentations, 1:00pm-2:00pm

Panel 1
Healing & Wellbeing
Keating 204, Moderator: Bianca Campagna

Use of Ecological Momentary Assessment in Studying Emotion Regulation in Individuals with Depression and Thoughts of Suicide, Sophia Idso

Demographic Factors Affecting Suicide Ideation, Alexis Cosenzo

Suicidality in College Students Predicts Lower Sense of Belonging and Reduced College Persistence, Roscoe Garner, IV

Stress, Depression, Anxiety, and Coping Among Working Mothers During COVID-19, Maria Zarcone

Implications of the COVID-19 Pandemic on Higher Education Faculty Members' Perceived Stress Levels, Umar Mian & Nicole St. Jacques

Panel 2
Implications for Community & Environmental Health
Keating 206, Moderator: Jillian Minahan Zucchetto

Fitness costs and benefits of gene expression plasticity in rice under drought, Colleen Cochran

Plasticity responses to competition in Brassica rapa, Rachel Konshok

Nutrient Drivers of Toxic Cyanobacteria Blooms in the Lake in Central Park, Paige Wallner

Ecological Momentary Assessment of Distress Tolerance as a Dynamic Predictor of Suicidal Thoughts and Behaviors among Bronx Residents, Grace Denomme

Transitioning to Adulthood during the Coronavirus Pandemic: Young Adult Patterns in Moving Out of the Family Home, Valeria Venturini

Panel 3
Global Perspectives
Keating 208, Moderator: Sarah Duncan-Park

Media Dissemination in Myanmar's Spring Revolution, Rebecca Pfeiffer

The Prospect of Economic Development through Financial Inclusion as a Conduit to Capital Accumulation, Zachary Brower

Migrant Workers and Migradollars: How Recessions in the United States Influence Remittance Flows to Mexico, Carsyn Fisher

Future study inclinations based on early-education language exposure, Rebecca Pfeiffer
Panel 4
Cutting Edge from Chemistry
Keating 209, Moderator: Robert Beer

Electrocatalytic Oxidation of Small Organic Molecules with Core-Shell Platinum Coated Nickel Nanowires, Kathryn Belcher

Toward Practical Artificial Photosynthesis: Enhanced Performance of Photoelectrochemical Cells with Metal Nanowires, Dakota Wolf

Composition-Dependent Catalytic Activity of Pt-Au Nanowires for the Oxidation of Small Organic Molecules, Rosario Troia & Ian Dillon

Synthesis and electrochemical characterization of Pt-based core-shell nanowire electrocatalysts for the oxidation of small organic molecules, Daniel Ma

Designing Strains of Bacillus subtilis with Fluorescent Protein Tags to Translesion Synthesis Polymerases, Nicholas Bafundo

Panel 5
Health Sciences & Technology
Zoom, Moderator: Ellen Watts

Comparing Elastic Energy Models of Lipidic Membranes, Eric Lutts

Opportunistic Multi-Modal User Authentication for Health-Tracking IoT Wearables, Alexa Muratyan

Effects of Increased Smartphone Use and Poor Viewing Habits on Neck Posture, Nico Padua

Key Factors Influencing Adverse Health Outcomes in the Aging population: the Roles of Self-Perceptions of Aging, Functional Limitation, and Pain, Ashley Blasi

Examining the Relationship Between General Anesthesia Exposure and Cognitive Performance, Samantha Dargie

Panel 6
Policy Studies
Zoom, Moderator: Eric Riklin (joined by Olena Nikolayenko)

Ideology and Data: A Study of Soviet Science, Danielle Moynihan

Youth Political Engagement on Instagram, Brianna Wagner

Examining the Socioeconomic Impact of the China-Pakistan Economic Corridor, Marta Granados

Sexual Harassment and Cultural Norms in Immigrant Communities: Findings from In-Depth Interviews with Bangladeshi American Women, Shahidah Khanom

Impact of Liberation Theology on Mass Mobilization: Findings from the Philippines, Gabrielle Rivera
Oral Presentations, 2:00pm-3:00pm

Panel 1
Community-Engaged Research Showcase
Keating 204, Moderator: Bianca Campagna

Take Space, Make Space - Campus Spaces and Student Collaboration on Fordham's Rose Hill Campus, Amelia Medvad & Carlos Rico

Social Activism Among Jesuit-Educated Students, Patrick Sawyer & Ellena Dickerson

Assessing the Impact of Public Policy on the Housing Crisis in New York City, Sotiris Georgakopoulos

Mutuality, Service, and Spirituality: The Work of LSA Family Services in East Harlem, Carlos Orbegoso

Panel 2
From Bench to Bedside
Keating 206, Moderator: Patricio Meneses

Analysis of cardiac-specific effect of HCM-linked variant of RNaseZ in Drosophila melanogaster, Megan Kurz

Interdependence of gap junction-mediated cell-cell communication and phagocytosis in RPE cells, Morgan McGrath

The effect of ovarian hormones on the activity of genes regulating metabolism, Olivia Doll

Molecular dynamics simulation studies of newly designed peptide-bound pyrimidine and cholesterol derivatives to target PANC-1 Human Pancreatic Tumor Cells, Paige McCallum & Madeline Bashant

Validating Virus Efficiency for TDP-43 Replacement After 18 Months of Delivery, Olivia Morrissey

Panel 3
Treasures from the Humanities
Keating 208, Moderator: Sarah Duncan-Park

The Effects of Dynamics and Tempo on Musically Induced Emotions, Sarah Cassidy

Bokujin Kai and the Language of Abstraction, Megan Sluzhevsky

Was there an Irish Potato famine or “An Gorta Mór” (The Great Hunger)?, Paige Hoffman

“Brain Death” and the ICU: Intense Confusion about Unconsciousness, Nicholas Bafundo

Percorsi Postcoloniali Nella Città: Igiaba Scego's Relationship to Rome and its Monuments, Alison Rini
Panel 4  
The Magic of Science  
*Keating 209, Moderator: Robert Beer*

Cognitive Representations through Searchlight RSA, *Laura Reno*

Diagnostic Sensors in a 3D-Printed Bionic Hand, *Jacqueline Maker*

Light Matter Interactions of Acoustically Levitated Droplets, *Komal Gulati*

Weather Discrimination in Scene Processing Regions, *Tess Durham*

Panel 5  
COVID-19 Research  
*Zoom, Moderator: Jillian Minahan Zucchetto*

The Effect of the COVID-19 Pandemic on the Mental Health of Essential Workers in the Filipino Community, *Clara Victorio*

COVID-Related Stress and Growth, *Erin Rosen, Shine Lita, Xavier Barker, Keara Kennedy*

How COVID-19 Related Stress Impacts Feelings of Hopelessness, *Caitlin Rogers, Boyana Maras, Meghan Smith, Samar Zagha, Keya Makwana*

Gender Differences in Job and Life Satisfaction from 2016 to 2020, *Tiffany Rado, Megan Mali, Martin Zehirov, Kristina Stevanovic*

The Impact of Covid-19 Related Social Isolation on the Relationship Between Loneliness and Depression in Older Adults, *Zuzanna Smurzynska, Basia Cdno, Kerin Chen, Alexander Slaughter*

The Impact of COVID-19 on Well-Being and Career Plans for College Students, *Tereze Nika*

Panel 6  
Anti-Racism & Social Justice  
*Zoom, Moderator: Ellen Watts*

Environmental Racism and Discriminatory Public Policy in the South and Northwest Bronx, *Catherine Kien, Jenna Goldblatt, Yajunaida Torrealba, Phillip Krehbiel*

Investigating Development and Lasting Effects of the Fordham University Action Plan, *Catalina Castillo-Lozano & Abigail Lo*

The Costumer's Guide to Naturally Kinky Curly Hair, *Myca Hinton*

American Fears of Interracial Romance as Seen Through the Bachelor Franchise, *Clare Duffy*
Panel 7
Please Don’t Stop the Music!
Zoom, Moderator: Eric Riklin (joined by Eric Bianchi)

The Detail of the Pattern is Movement: Combination and Circularity in Caroline Shaw's Partita for 8 Voices, Kristina Lazdauskas

The Palmieri Effect: Modern Jazz in Afro Cuban Music, Ezekiel Montes Perez