

Roosevelt Student Research & Inquiry Symposium

April 10-14, 2023

PROGRAM

2023 Organizing Committee

Office of Student Research
Chicago College of Performing Arts
Clinical Psychology, Doctoral Program
College of Science, Health, and Pharmacy
Humanities Department
Finance Honors
Honors Program
Library and Instruction
Math and Actuarial Science
McNair Scholars Program
NOYCE Scholars Program
SSS STEM
HSI STEM/STEM Center

Apr 9 - Apr 15		Mon 10		Tue 11		Wed 12		Thu 13		Fri 14		Sat 15	
8 AM													
9 AM		ENG 102- Student Research ... 9 AM											
10 AM		ENG 102- Student Research ... 10 AM											
11 AM		ENG 102- Student Research ... 11 AM											
12 PM						Undergraduate Writing Wor... 12:30 PM							
1 PM													
2 PM						Without Water: Sustainability... 2 PM		Composition faculty-led wo... 2 PM		McNair Sch... 1:45 PM	Math Oral ... 2 PM	Keynote, C... 2 PM	Honors Th... 2 PM
3 PM								Workshop: ... 3 PM		Finance Ho... 3 PM		Honors Thesis Defenses, Col... 3 PM	
4 PM										Finance Ho... 4 PM	Actuarial Studies Keynote &... 4 PM		
5 PM										Finance Ho... 5 PM	Neuropsych... 4:30 PM		
6 PM										Finance Ho... 5 PM	Actuarial Studies Keynote &... 5 PM	Real Estate ... 5:30 PM	
7 PM										Finance Ho... 6 PM			
8 PM													

Schedule At A Glance

Monday, April 10

9:00 am – 12:00 pm English 102 Composition Showcase

Wabash 418 // Zoom link: <https://roosevelt.zoom.us/j/97322744054>

9:00 am	The Importance of Vocabulary Specificity <i>Daniel Berg</i>
9:30 am	Why the Equal Rights Amendment Should Be Passed in the United States <i>Margaret Higgins</i>
10:00 am	DACA and Its Significant Impact on Recipients and the United States <i>Cecilia Quirarte</i>
10:30am	The Playwriting Process <i>Zach Feuling</i>
11:00am	Why Music Education Should be Prioritized in K-12 Education <i>Bernadette Brockman</i>
11:30am	Should the US Congress Call for the Second Constitutional Convention? <i>Glen Miasnychenko</i>
12:30– 2:00 pm	Faculty-led workshop: What Makes a Productive Research Question? <i>James Baltrum and Priscilla Perkins</i>

Tuesday, April 11

2:00-3:00 pm: Without Water: Sustainability 360 & BFA Acting '26
Fainman Lounge, Auditorium Building

Oral Presentations

Lydia Groezinger
Paulina Czupryna
Christian Caillouet
Nathan Yew

Kennedy OConnor
Cecilia Quirarte
Sandi Lwin
Maria Gamino

Taylor Trent
Sophia Calderon
Jaz Barnhill

Performance/Installation

Ellory Jezuit
Levi Singer
Kaley Franzwa
Carter Chorlton

Jermaine Jenkins
Chloe Marquez Jornales
Tharit Seriruk

Kendra Hook
Alexandria Bressette
Ellie Desmond
Caroline Dooner

4:00 – 5:00 pm NOYCE/College of Education Fair Career Fair

Wabash 418

Employer	Erie Neighborhood House
Gary Community School Corporation	Chicago Public Schools
Noble Network of Charter Schools	Dolton School District 149
By The Hand Club For Kids	Crete-Monee School District 201-U
Chicago Tech Academy	Chicago Commons Association
Acero Schools - Chicago	ExceleRate Tutoring Corps
Arlington Heights School District 25	Schaumburg School District 54
Northwest Suburban Special Education	The Frances Xavier Warde School

Wednesday, April 12

12:30 – 1:30 pm CCPA (MAS 480): On Performance

Auditorium 9th Floor, Lerner Lounge/Marks Hall

Connor Feyen	Hyacinth Percell	Conor Mathenia
Cecelia Ostapeck	Julian Ng	Paul Pickering
Megan Pollon	Kristina Mucha	Hobart Shi,
Sara d'Ippolito Reichert	Sava Velkoff	Cheyenne Halderman
Christin Kim	Elizabeth Kijowski	Zenan Li
Magda Travis	Camden McLean	Leyandra Snyder

12:30 pm Music Education 200: Oral Presentations

Pre-recorded. View in online folder: <http://bit.ly/3Kjd1B4>

Trauma-Informed Teaching in the Music Classroom

- *Emily Zwijack*

How Does Ear Training Early Affect Ear Maturity Later?

- *Aaron Segal*

Accommodating and Fostering Success in Students With Hearing Impairments in the Music Classroom

- *Josephine Papa-Shorts*

Comprehensive Musicianship through Performance (CMP) and its benefits from the teacher's perspective

- *Nazarii Mykhailenko*

Effects of music on students with disabilities

- *Loreenna Klobuchar*

Reassuring Democracy in the Music Classroom

- *Jordon Meeks*

Digital Audio Workstations in the Music Classroom

- *Lauren Culver*

Musician/Athlete Mindset

- *Krzysztof Solis*

Popular Music in Choral Education

- *Riley Brown*

Reassessing Assessment Through the Lens of Performance Anxiety

- *Christian Brann*

Teacher Shortage in US Public School

- *Meliza Castrejon*

Teaching Composition in the General Music Classroom

- *Benjamin Duke*

Inclusive Repertoire in High School Choir

- *Isabel Campbell*

Assessing Improvisation with Portfolios

- *Nikhil Dasgupta*

Music's effect on cognitive development and mental mindfulness

- *Walter Sanchez*

Wednesday, April 12 (continued)

2:00-4:00 pm Faculty & Staff Led Workshops

Auditorium 1017

2:00 – 3:00 pm **Community Engaged Teaching**

Michael Blancato, Vince Francone, and Mick McMahon

3:00 pm-3:30 pm: **PowerNotes Workshop**

Barb Anderson

3:00- 6:00 pm Finance Honors Thesis Presentations

Wabash 418

3:00 pm **Sovereign Ownership and Governance Practices of Emerging Market Companies**

Gerardo Flores

4:00 pm **Evaluating the Relationship Between Sovereign Ownership and Governance Practice in Emerging Market (EM) Companies**

Ben Zalapi

4:30 pm **Emerging Markets: The Relationship Between Corruption and Governance Practices**

Lizbeth Tlatenchi

5:00 pm **The Impact of Macroeconomic Events in Cryptocurrency Returns**

Jared Tjelmeland

5:30 pm **Impact of Governmental Regulatory Changes in China on the Global Cryptocurrency Markets**

Alinah Harron

6:00 pm **MSCARCH Modeling and Volatility Dynamics of Cryptocurrencies**

Kadir Caglar

6:30 pm **Momentum and Cryptocurrencies**

Lukas Palma

4:30 – 5:30 pm Neuropsychology Internship Workshop

Wabash 1111

Jessica Yang and Alexa Halliburton

6:00 – 7:30 pm Real Estate Development Course Presentation,

<https://roosevelt.zoom.us/j/96536346319> (call in: 13126266799, Meeting ID: 965 3634 6319)

6:00 pm **The Boatyard Redevelopment Project**

Nick Ross, Patrick Sinwelski, Shawn Gregoire, and Nicholas Paviet

Thursday, April 13

9:00am- 3:00 pm McNair Scholars Program Presentations

Wabash 317

9:00- 11:30 am Oral Presentations I

9:00 am **Sustainability Planning Team**
Kayla Nelson, Kiera Carpenter, and Sophia Gallo

10:00 am **How Societal Factors Negatively Impact Black Students in Academic Environments**
Kayla Nelson

10:40 am **The Blockchain Medley: A Revolution to the Economics of Classical Music**
Helder Perez

11:00 am **What Makes A Good Mathematical Proof**
Jasmine Gillis

11:45 am – 1:45 pm Poster Presentations

Problem Solving Courts – Alternatives to Incarceration

Taylor Bradley

Mesothelial Cell HIF Activity Regulates Ovarian Cancer Adhesion

Esmeralda Delgado

Understanding the Relationship Between Fat Talk and Feminine Norms

Jiselle Janko

Ethnic Identity, Coping, and Depression After Experiencing Discrimination

Adaly Navarro

Queen of Manipulation: Elizabeth I of England

Ramina Nikola

Work-Related Political Behaviors

Judy McDowell

William Goldsborough, Alexander Keech, and the Maryland Agricultural College

Mia Moore

Univ 310 McNair Research Class

Rita Boateng; Marylyn Salas; Jianne Jenkins; Cesar Gonzalez; Ashley Cabral

1:45 -3:15 pm Oral Presentations II

1:45pm **Barriers for Women in STEM and the C-Suite**
Prudence Barajas

2:05 pm **The Effects of Post Traumatic-Stress Disorder and Substance Abuse: Child and Adolescent Integration into Society**
Angie Delgado

2:25 pm **Synthesis 2-methylimidazo[1,2-a] pyrimidine-3 carboxamide: a possible anti-TB agent**
Isabela Tatem

2:45 pm **Marine Plankton Grazing Response to Supplementary Vitamin Sources**
Isaac Sosa

Thursday, April 13 (continued)

12:30 – 1:30 pm Chicago College of Performing Arts: Graduate Research Presentations

Auditorium 9th Floor: Lerner Lounge

12:30 Vysotsky and DDT's Underground Resistance: Towards a Russian Musical Aesthetic of the Unsaid

Tanya Laundau

1:00 Poulenc on Poulenc

Lillian Vellom

2:00- 6:00 pm: Math & Actuarial Science Program

Auditorium 524 & Wabash 418

2:00 – 3:30 pm: Math Student Presentations

Auditorium 524

2:00 pm A Study of The People's Classifications on MicroPlants: Research Talk

Rita Boateng, Eric Damerow, Elaine Gaberik, Savannah Green, Nathaniel Linares, Hassan Mahmood, Maria Palacios, Joseph Pascual, Lizbeth Tlatenchi, and Sean Wong

3:00 pm Electric Vehicle's Price Analysis

Fred Coffey

4:00-6:00 pm: Actuarial Science Career & Networking Fair

Wabash 418

4:00 – 5:00 pm Invited Speaker, Actuarial Science

Julia Lewis, '19

"The Importance of People-Skills"

5:00 – 6:00 pm Actuarial Careers Networking Fair

Friday, April 14

9:00 am- 3:00 pm Honors Thesis Presentations

Wabash 418

9:25- 10:15: Research/Practice Panel

Identifying Neuroplasticity in Hearing Loss and its Effects in Musicians

Ainhoa Ortiz Noriega

The Modern Concert Experience: Where Did It All Go Wrong? And How Are We Fixing It?

Delaney Spielman

Symmetrical Inversion: Equal Growth in Teaching, Practicing, and Self-Discovery on the Piano

Rupa Elizabeth Sprecher

10:20-11:00 am: Research/Impact Panel

Advanced Air Mobility: The Direction of Autonomous Flight and the History of Urban Air Mobility

Nick Agliata

The Blockchain Medley: A Revolution to the Economics of Classical Music

Helder Perez

12:30-1:15 pm Research/Situation Panel

Day and Night within Chicago's Neighborhoods

Edith Avila

Impact of the Supreme Court's Overturning of Roe V. Wade on Unwanted Pregnancies: Opinions About Abortion, Health Care Freedom, and Political Involvement

Maya Wenc

Mothering Behind Bars – The Unintended Victims

Taylor Bradley

1:20-1:50 pm Research/Decisions Panel

In the Eye of the Beholder: How Marketers Secretly Seduced Gay Men

Aidan McGinty

Beyond Redistribution: The Limits of Contemporary Reparations

Onteya Zachary

2:00-2:45 pm Research/Outcomes Panel

Making a Big Deal out of the Small Things: An Analysis of the Current Antibiotic Crisis

Kennedy Gale

To Plead or Not to Plead? A Study of Plea Bargaining Mechanics and Outcomes

Lexi Kurzawinski

Political Hypocrisy: Identifying Insincerity of a Political Scandal During the 2020 United States Presidential Election and the Influence on Voter Attitudes

Leah Stein

2:50-3:30 pm Research/Situation Panel

Epigenetic Effects of Toxins on Developing Fetuses

Grace Hahn

How Tinted is Too Tinted: The Emerging Tinting Industry and Effects on Driver Safety

Maria Palacios

Friday, April 14 (continued)

10:00 am – 3:00 pm: College of Sciences, Health and Pharmacy; Office of Student Research; & the Office of the Provost
Ida B. Wells, Fainman Lounge & the Sullivan Room

10:00 – 11:00 am Plenary Speaker, Ida B Wells Room:
Dr. LaMar Hasbrouck, COO, Cook County Public Health
“What COVID Taught Us About Science, People, and Public Health”

11:00 am – 1:00 pm Graduate School Fair

Fainman Lounge North

Schools Attending: Loyola University, UIC Medical School, Northeastern Illinois University (NEIU); Roosevelt University: MBA, MPA, Computer Science, MABS/Biotechnology and Psychology programs

11:00 am – 12:30 pm Poster Presentations:

Fainman Lounge South

Penta-fluorination of the Phe-Phe Motif to Overcome Homochirality in Hierarchical Self-assembly of Hydrogels

Gregory Gillespie

RNA-Binding Chaperone Hfq as a Novel Target for Antibacterial Drug Development

Massara Alessa, Izabela Rozborska (Olsen)

A Role for PCMT in Drosophila Melanogaster Infection with Serratia Marcescens

Jessica Ahon Sanchez (Allen)

Gini in the Windy City

Tania Simmons, Sosa, Issac; Haq, Mariyam; Ceron, Leonardo; Anderson, Madalyn; Hahn, Grace.

Algebra in Motion: How to measure time with a crystal

Joseph Pascual

Algebra and games

Eric Damerow

The curious case of the quintic equation

Jasmine Gillis

Quaternions and Motion graphics

Nathan Huerta

The algebra of music

Joseph Aguilar

Poster on 3D printing

Amber Misiowiec, Armela Zeneli (Voss)"

The Impact of Exposure to Heterosexist Bias on the Psychological Distress of Polish LGBTQ+ Individuals

Athar, M. Saad; Dudek, Joanna; Topczewski, Jan; Skinta, Matthew

Intimate Social Connection In Schizophrenia: A Novel Pathway to Recovery

Alex Broekhuijse

Relationships Between Alternative Visual Methods To Quantify Tree Reproduction

Riley Adams, Teodora Stoycheva, Sofia Rivera, Jalene LaMontagne

Comparing Lactase Activity in two popular lactase supplements

Freny Brahmakshatriya

Analysis of Lactase Activity in Lactase Supplements

Sarah Cianca

Friday, April 14 (continued)

12:30 – 3:00 pm Graduate Thesis & Undergraduate Oral Presentations, College of Science, Health and Pharmacy
Ida B Wells Room, Auditorium Building (Second Floor)

1:30 pm **Recent Advances in LpxC Inhibitor Design: Efforts Post ACHN-975 and RC-01 Clinical Trials**
Bijal Patel and Anna Tanzif

1:00 pm **Phe-Phe Dipeptide Synthesis**
Gregory Gillespie

2:00 pm **Synthesis of Pyrazolo[5,1-b][1,3]thiazole-6 methyl-7-carboxamide derivatives as a Potential Anti-Tubercular Agent**
Riley Adams and Nicole Nilsson

2:15 pm **Synthesis 2-methylimidazo[1,2-a] pyrimidine-3-carboxamide: a possible anti-TB agent**
Sarah Cianca and Isabela Tatem

2:30 pm **Synthesis of Novel Indole-3-carboxamide derivatives and its potential pharmaceutical application**
Tania Guarneros Martinez

1:00 – 2:30 pm, CSHP Course Presentations:

Sullivan Room (Auditorium Bulding, 2nd floor)

1:00 pm **Tiny Earth: An Attempt to Discover New Antibiotics**
Selena Bush BIOL 360/460 Microbiology

1:30 pm **Measuring Immune Responses to PAMPs in Cultured Cells**
Naif Salem, Monse Morales and Osbaldo Gonzalez BIOL 367/467 Immunology

2:00 pm **High-Throughput Screening to Identify Novel Therapeutic Strategies for Ovarian Cancer**
Danielle Robinette and Gerardo Rodriguez

2:00 – 3:00 pm Chicago College of Performing Arts, Keynote

Blake-Anthony Johnson, Executive Director, Chicago Sinfonietta

“Living a Life of Impact: Creating Your Own Opportunities at the intersection of the past, present, and future.”