

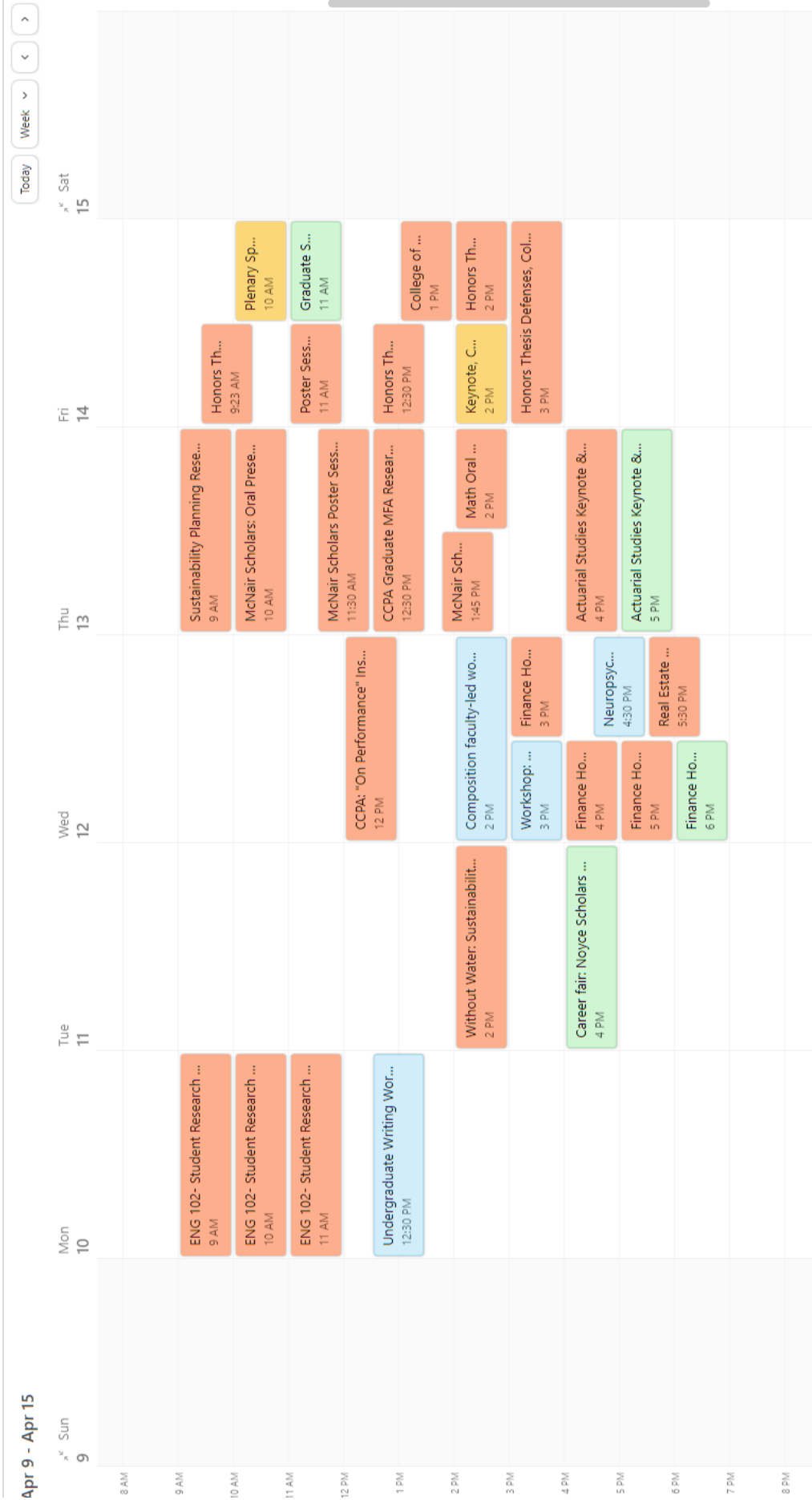
# Roosevelt Student Research & Inquiry Symposium

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



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

Kendra Hook  
Alexandria Bressette  
Ellie Desmond  
Caroline Dooner

4:00 – 5:00 pm NOYCE/College of Education Fair Career Fair  
Wabash 418

<b>Employer</b>	Erie Neighborhood House
Gary Community School Corporation	<b>Chicago Public Schools</b>
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 9<sup>th</sup> 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

- *Lorena Klobuchar*

Reassuring Democracy in the Music Classroom

- *Jordon Meeks*

Digital Audio Workstations in the Music Classroom

- *Lauren Culvesr*

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; Jianny 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 9<sup>th</sup> 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

*Ainhua 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 Kurzwinski*

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 Reovery**

*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, 2<sup>nd</sup> 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.”**