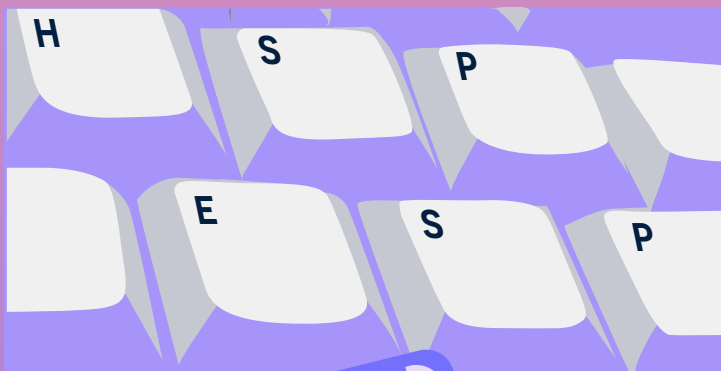


THE 36<sup>TH</sup> SEMI-ANNUAL DR. JANET LIOU-MARK



# HONORS & UNDERGRADUATE

## RESEARCH SCHOLARS POSTER PRESENTATION

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**WEDNESDAY, MAY 4, 2022**

VIRTUAL POSTER PRESENTATION  
(POSTER JUDGING)

**THURSDAY, MAY 5, 2022**

VIRTUAL POSTER PRESENTATION  
(AWARD CEREMONY)

12:45-2:15PM

ORGANIZED BY CITY TECH'S HONORS SCHOLARS PROGRAM



## GREETINGS

**Russell K. Hotzler**

President

**Pamela Brown**

Interim Provost & Interim Vice President  
for Academic Affairs

**Reginald A. Blake**

Interim Associate Provost and  
Dean of Curriculum and Research

## RECOGNITION OF UNDERGRADUATE RESEARCHERS

**Honors Scholars**

Reneta D. Lansiquot  
Director of the Honors Scholars Program

**CUNY Research Scholars & Louis Stokes Alliances  
for Minority Participation (LSAMP)**

Hamidreza Norouzi  
Director of Undergraduate Research

**Emerging Scholars**

Hamidreza Norouzi

**Grant-Funded Projects**

Hamidreza Norouzi

**Interdisciplinary Projects**

Reneta D. Lansiquot  
Founding Chair of the Interdisciplinary Committee

## BEST POSTER AWARDS

**Amanda Almond**

Assistant Director of the Honors Scholars Program

# HONORS IN REGULAR COURSES

## Create an Automated Door Alarm Security System using Gate Systems

Aaryan Nair  
Prof. Kim Smith  
[EET 1122: Circuit Analysis I](#)

## Propagation Analysis of Autosomal Recessive Inheritance Traits in a Population using Matrices

Adrian Guin Rizzo  
Prof. Ariane Masuda  
[MAT 2580: Introduction to Linear Algebra](#)

## A Survey for Understanding How Undergraduate Organic Chemistry Students Learn

Aneeza Hussain  
Prof. Peter Spellane  
[CHEM 2223: Organic Chemistry I](#)

## The Leslie Matrix Model

Angie Zumba  
Prof. Ariane Masuda  
[MAT 2580: Introduction to Linear Algebra](#)

## Using R Markdowns & Notebooks in Bioinformatics

Ashley LaSalle  
Prof. Evgenia Giannopoulou  
[BIO 3352: Bioinformatics II](#)

## Advanced Obturator Denture Case

Daniela Dicelis Castellanos  
Prof. Avis Smith  
[RESD 2411: Complete Dentures & Maxillofacial Concepts](#)

## Grating Mounting Holder

Emanie Maitland  
Prof. Viviana Vladutescu  
[EET 1202: Electrical Drafting](#)

## Passive Details for a Temperate Climate

Fatima Ikhmais  
Prof. Shaad Zaidi  
[ARCH 1212: Architectural Design II: Foundations & Visual](#)

## Exploring SolidWorks Simulation & Structural Analysis Tools to Predict Real-World Physical Behaviors

Itay Rubin  
Prof. Gao Feng  
[MECH 3510: Advanced Solid Modeling II](#)

## A New Era of Mental Health Treatment

Jena Rodriguez  
Prof. Ryan Wallace  
[COM 2403: Health Communication](#)

## The Fundamental Theorem of Calculus

Joanna Quizhpe  
Prof. Lin Zhou  
[MAT 1575: Calculus II](#)

## Regenerative Design in High Performance Buildings

Kada Clyne  
Prof. Azaroff Illya  
[ARCH 3812: Architectural Design VIII: Special Topics](#)

## La Bella Storia Dei Cannoli

Kemoya McLeod  
Prof. Joanne Lewin-Jacus  
[HMGT 1204: Baking & Pastry Arts I](#)

## Architecture & Sustainability: Japan

Michelle Guzman  
Prof. Rob Robthblatt  
[ARCH 3551: Sustainability: History & Practice](#)

## A Survey for Understanding How Undergraduate Organic Chemistry Students Learn

Olorundamilola Okemeta  
Prof. Peter Spellane  
[CHEM 2223: Organic Chemistry I](#)

## The Beauty of Bézier Curves

Qing Chen  
Prof. Ariane Masuda  
[MAT 2580: Introduction to Linear Algebra](#)

## The Effectiveness of Open Lab on Radiologic Technology Students' Overall Performance

Robert O'Brien  
Prof. Zoya Vinokur  
[RAD 1225: Radiographic Procedures II](#)

## Airline Routes with Matrices

Samantha Quiah  
Prof. Ariane Masuda  
[MAT 2580: Introduction to Linear Algebra](#)

## The Method of Constructing a Constitution, & Why They are Important

Sherene Moore  
Prof. Ikiesha Al-Shabazz  
[LAW 2306: Legal Issues for Facilities Managers](#)

## Puff Pastry Through Time: Its Evolution & Applications

Thomas Ham  
Prof. Tracy Zimmermann  
[HMGT 2304: Baking & Pastry Arts II](#)

## X-Ray Imaging of Local & Global Diffusion of Biominerals Induced by Chemical & Mechanical Stress in Biological Model Systems

Aaliyah Salmon  
Profs. Subhendra Sarkar & Evans Lespinasse

## Integrated Solid Waste Management System Leading to Zero Waste for Sustainable Resource

Aaryan Manoj Nair  
Prof. Akm Rahman

## The Energy Challenge: Moving from Fossil Fuels to Biofuels, Hydrogen, & Green Energy Sources

Aneeza Hussain  
Prof. Alberto Martinez

## Harvesting of Animal Populations

Angie Zumba  
Prof. Ariane Masuda

## Characterizing *Tetrahymena thermophila* Calpains Using Computational Tools

Anjalee Rabbani  
Prof. Ralph Alcendor

## X-Ray Imaging of Local & Global Diffusion of Biominerals Induced by Chemical & Mechanical Stress in Biological Model Systems

Aravis McBroom  
Profs. Subhendra Sarkar & Evans Lespinasse

## Modeling of Infiltration through Large Openings in Buildings

Carlanthony Lanton  
Prof. Daeho Kang

**Soft X- Ray Imaging of Possible Transmetallation among Endogenous Fe(II)/Fe(III) & Mn(I-IV) States due to Thermo-mechanical Stress in Model Carbohydrates**

Daler Djuraev  
Profs. Subhendra Sarkar & Zoya Vinokur

**You are Prepared**

Emma Bjornsen  
Prof. Allison Berkoy

**The Effects & Consequences of Chemical Warfare**

Gabriel Martinez  
Prof. Jose Martinez

**The 4 Color Math Theorem**

Harouna Guisse  
Prof. Nadia Benkali

**Force-feedback Design for Robotics Hand**

Husnain Khan  
Prof. Zhou Zhang

**Modeling of Infiltration through Large Openings in Buildings**

Istvan Zagyi  
Prof. Daeho Kang

**X- Ray Imaging of Local & Global Diffusion of Biominerals Induced by Chemical & Mechanical Stress in Biological Model Systems**

Joanna Syska  
Profs. Subhendra Sarkar & Evans Lespinasse

**A Strategic Analysis of Drug Trafficking Network**

Julia Burnside, Aneeza Hussain, & Katie Salas  
Prof. Urmi Ghosh-Dastidar

**Tissue Scaffold Fabrication with Digital Micro-mirrors**

Kina Wu  
Prof. Ozlem Yasar

**Soft X- Ray Imaging of Possible Transmetallation among Endogenous Fe(II)/Fe(III) & Mn(I-IV) States due to Thermo-mechanical Stress in Model Carbohydrates**

Maria Orellana  
Profs. Subhendra Sarkar & Zoya Vinokur

**Open labs Vs. Students' Final Grades**

Navdeep Kaur  
Prof. Zoya Vinokur

**Applications of Computer Hardware & Software in Biotechnology**

Noor Shamanta Jahan  
Prof. Farrukh Zia

**Effectiveness of Collimation in Radiation Protection**

Ollana John  
Prof. Eric Lobel

**Bezier Curves**

Qing Chen  
Prof. Ariane Masuda

**Compare how Students Performed & Attendance before, during & after Pandemic Waves**

Ralph Lauren Ocampo  
Prof. Zoya Vinokur

**Compare how Students Performed & Attendance Before, During & After Pandemic Waves**

Rohini Mattan  
Prof. Zoya Vinokur

# EMERGING SCHOLARS

## The Effects & Consequences of Chemical Warfare

Ryan Donnelly  
Prof. Jose Martinez

## Open Labs Vs. Students' Final Grades

Safraz Harun  
Prof. Zoya Vinokur

## Modeling of Infiltration through Large Openings in Buildings

Satesh Mahabir  
Prof. Daeho Kang

## Soft X- Ray Imaging of Possible Transmetallation among Endogenous Fe(II)/Fe(III) & Mn(I-IV) States due to Thermo-mechanical Stress in Model Carbohydrates

Sonia Orellana  
Profs. Subhendra Sarkar & Zoya Vinokur

## Modeling of Infiltration through Large Openings in Buildings

Syed Ali  
Prof. Daeho Kang

## Los Pirineos, the Mostly True Memoirs of Esperancita Gómez

Wilna Michel  
Prof. Sara Woolley

## Genotype Distribution in a Population

Adrian Guin Rizzo  
Prof. Ariane Masuda

## COMD Futures Collaboratory AR Project

Adrika Hoque  
Prof. Jay Buren

## Programing the Robot Arm Suitable for an Assembly Line

Agha Akram  
Prof. Muhammad Ummy

## COMD Futures Collaboratory AR Project

Agustin Melo Galvez  
Prof. Jay Buren

## Robotic Manipulation: A Practical Application of Linear Algebra in Perception & Path Planning

Akhil Sankar  
Prof. Ariane Masuda

## Forensic Analysis of Local HIV Isolates

Alexandra Rogers  
Prof. Jeremy Seto

## Learning to Innovate Websites & Apps Through Knowledge & Understanding of How the Internet Works

Ali Abbas  
Prof. Daniel Wong

## Characterization of Fe(II)/Fe(III) Cycling due to Thermo-Mechanical Stress in Carbohydrate Model Systems: Low vs High Field MR Feasibility Testing

Analia Basilicata  
Profs. Subhendra Sarkar & Lazar Fleysler

**High-field MR Microscopy of Paramagnetic Biomaterials in Heat-shocked Phantoms**

Anam Riaz  
Profs. Subhendra Sarkar & Duke Shereen

**COMD Futures Collaboratory AR Project**

Andre Sadhu  
Prof. Jay Buren

**Learning to Innovate Websites & Apps Through Knowledge & Understanding of How the Internet Works**

Bilal Badar  
Prof. Daniel Wong

**Relational & Non-Relational Database Technologies**

Brandon Alulema  
Prof. Elizabeth Milonas

**Investigating Project Success Factors in Post Disaster Rebuilding Efforts in NYC**

Calvin Walters Jr.  
Prof. Anne Sowder

**Computational Design of Electro-Optical Converters for Quantum computers**

Daneilla McEwan  
Prof. German Kolmakov

**Computational Design of Electro-Optical Converters for Quantum Computers**

Dante James  
Prof. German Kolmakov

**LGBTQ Youth Substance Use during COVID-19 Pandemic**

Dillon Seebalack  
Prof. Smita Dewan

**An analysis of Non-Comparison Based Sorting Algorithms**

Edgar Aponte  
Prof. Brad Isaacson

**Radiology Technologist: More Than a Button Pusher**

Erika Perez  
Prof. Lillian Amaan

**Code Cyber: A Curated Collection of Cyber Security Sources**

Ethan Pruzhansky  
Prof. Patrick Slattery

**Characterize a Calpain of Choice from Tetrahymena Thermophila using Bioinformatics Tools**

Eva Tse  
Prof. Ralph Alcendor

**Child Detection System For Preventing Hot-Car Death**

Fahmeda Khanom  
Prof. Xiaohai Li

**The Brooklyn-New Jersey Freight Tunnel: An Alternative to Truck Distribution**

Farai Matangira  
Prof. Michael Duddy

**Refugees in the World**

Fatima Malik  
Prof. Mukadder Cinar

**What's all the Hoopla about Metaverse?**

Frank Lema  
Prof. Marcos Pinto



**Biometal Distribution & Diffusion: Contrast Resolution by Low kV Mammography Versus High Spatial Resolution by Computed Tomography**

Guito Charles  
Profs. Zoya Vinokur, Subhendra Sarkar, & Teri-Ann Hawley

**ARCscholars**

Habiba Abdelgawad  
Prof. Naomi Langer-Voss

**Genotype Distribution in a Population**

Irina Urmi  
Prof. Ariane Masuda

**Development of an Assistive App on Girls Who Code**

Isory Santana  
Prof. Farrukh Zia

**Radiologic Technologists: More Than a Button Pusher**

Isra Aly  
Prof. Lillian Amann

**An Analysis of Non-Comparison Based Sorting Algorithms**

Jacob Gomez  
Prof. Brad Isaacson

**Smart Physics**

Jake Postiglione  
Prof. Giovanni Ossola

**COMD Futures Collaboratory AR Project**

Jennell Thomas  
Prof. Jay Buren

**Code Cyber: A Curated Collection of Cyber Security Sources**

Jason Lin  
Prof. Patrick Slattery

**ARCscholars**

Jeanpaul Montano  
Prof. Naomi Langer-Voss

**Radiologic Technologists: More Than a Button Pusher**

Jennifer Yu  
Prof. Lillian Amann

**Pain communication or absence thereof in diseased white matter tracts in neurodegenerative**

Jennifer Padilla  
Prof. Subhendra Sarkar

**Art & Mathematics meet at the edge of Chaos**

Julia Burnside  
Prof. Satyanand Singh

**DNA Mapping & Identifying**

Kalsoom Bibi  
Prof. David Giganti

**“Our Stories” First Year Transition to College**

Kamara Smith  
Prof. Mery Diaz

**“Our Stories” First Year Transition to College**

Katelyn Lopez  
Prof. Mery Diaz

**Role of Effective Health Communications in  
Creating Assistive Technology Devices**

Katelyn Lopez  
Prof. Farrukh Zia

**Art & Mathematics meet at the edge of Chaos**

Katie Salas  
Prof. Satyanand Singh

**Open labs Vs. Students' Final Grades**

Katie Tam  
Prof. Zoya Vinokur

**Code Cyber: A Curated Collection of Cyber  
Security Sources**

Kazi Tasin  
Prof. Patrick Slattery

**Pain Communication or Absence Thereof  
in Diseased White Matter Tracts in  
Neurodegenerative Brain**

Maleeha Sheikh  
Prof. Subhendra Sarkar

**A Mobile Robot for Educational  
Robotics Competitions**

Maya Papayan  
Prof. Farrukh Zia

**Covid-19 Vaccine Mandate Effects**

Mikhail Kun  
Prof. Zoya Vinokur

**Hardware & Software Co-design of  
Assistive Technology**

Modhumita Dey  
Prof. Farrukh Zia

**Code Cyber: A Curated Collection of Cyber  
Security Sources**

Mohammed Zaman  
Prof. Patrick Slattery

**How Covid-19 Affected Dentistry**

Nathaly Rojas  
Prof. Susan Davide

**The Structure & Analysis of calpains in  
Tetrahymena Thermophila**

Niger Rinky  
Prof. Ralph Alcendor

**Radiologic Technologists:  
More than a Button Pusher**

Nino Jvarishvili  
Prof. Lillian Amann

**The Structure & Analysis of Calpains  
in Tetrahymena Thermophila**

Olorundamilola Okemeta  
Prof. Ralph Alcendor

**Study of Pregnancy Related Deaths in United  
States**

Oneisha Conway  
Prof. Avis Smith

**Data Analysis & Structural Exploration of Protein-  
DNA recognition**

Pascal Hermann Kouogang Tafo  
Prof. David Giganti

**Compare how students Performed  
& Attendance before, During & After Pandemic  
Waves**

Peber De Jesus  
Prof. Zoya Vinokur

**Biometal Distribution & Diffusion: Contrast  
Resolution by Low kV Mammography versus High  
Spatial Resolution by Computed Tomography**

Robert O'Brien  
Profs. Zoya Vinokur, Subhendra Sarkar,  
& Teri-Ann Hawley

**Open labs Vs. Students' Final Grades**

Robert O'Brien  
Prof. Zoya Vinokur

**The start of a New Revolution: Addressing  
Government Failure in Ending Homelessness  
in NYC**

Ruth Joseph  
Prof. Laura Westengard

**Identifying Protein-Protein  
& Specific Protein-DNA Contacts  
using Programming Tools**

Samantha Lee  
Prof. David Giganti

**America Through Immigrant Eyes**

Samuel Cheung  
Prof. Peter Catapano

**Mechanical Characterization of  
Engineered Scaffolds**

Sandya Persaud  
Prof. Ozlem Yasar

**Radiology technologists are  
More than a Button Pushers**

Sarahjireh Estrada  
Prof. Lillian Amann

**ARCscholars**

Scarlett Morales  
Prof. Naomi Langer-Voss

**ARCscholars**

Shun Ebihara  
Prof. Naomi Langer-Voss

**Convolved Neural Network – Image Classification**

Sisiame Sakasamo  
Prof. Marcos Pinto

**Data Loss Caused of Nature Disaster**

Svetlana Idrovo Shindler  
Prof. Patrick Slattery

**Code Cyber: "A Curated Collection of Cybersecurity  
Career Learning & Preparation Resources"**

Tanvir Rahman  
Prof. Patrick Slattery

**Novice Peer-leader Learning during Initial Training**

Taspia Jannat  
Prof. Nadia Kennedy

**Covid-19 Vaccine Mandate Effects**

Tatiana Ryzhakova  
Prof. Zoya Vinokur

**Child Detection System For Preventing Hot-Car Death**

Touheda Khanom  
Prof. Xiaohai Li

**ARCscholars**

Tylee Rivera  
Prof. Naomi Langer-Voss

**Radiology Technologist:  
More than a Button Pushers**

Walquiria Acosta Ovalle  
Prof. Lillian Amann

**Mechanical Characterization of Nano-material Doped Polydimethylsiloxane (PDMS)**

YeHun Jeong  
Prof. Ozlem Yasar

**The Use of Avatars by Vtuber in the Live,  
& Why they Use it**

Yuehan Guo  
Prof. Laureen Park

**Use of DNA Technology to Identify Insects Found in the NAB Courtyard**

Chukwuebuka Amaefule  
Prof. Jeremy Seto

**Refugees in the World**

Rayen Osorio  
Prof. Mukadder Cinar

**Computer Controlled System Design**

Divya Kaushal  
Prof. Farrukh Zia

**Studying Connectance & Robustness of Criminal Networks**

Raihan Bhuiyan  
Prof. Urmi Ghosh-Dastidar

**Studying Connectance & Robustness of Criminal Networks**

Simon Zhang  
Prof. Urmi Ghosh-Dastidar

**Studying Connectance & Robustness of Criminal Networks**

Beck Bao  
Prof. Urmi Ghosh-Dastidar

**How Has Covid-19 Impacted Dental Hygienest & Other Dental Practitioners**

Dosyleny Arias  
Prof. Susan Davide

**The Energy Challenge: Moving from Fossil Fuels to Biofuels, Hydrogen, & Green Energy Sources**

Afrina Nishat  
Prof. Alberto Martinez

**Computational Characterization of Calpains in T.thermophila**

Derbie Desir  
Prof. Ralph Alcendor

**Ferrate VI: An Environmentally Friendly Oxidant for Water Treatment**

Le Van La  
Prof. Vishwas Joshi

# GRANT-FUNDED PROJECTS

## NSF IUSE GEO Grant # 2023174

Profs. Abdou Bah, Reginald Blake, Masato Nakamura, Hamidreza Norouzi, & Ms. Julia Rivera

### Remote Sensing & Land Surface Temperature from Satellite Observations

Angel Vargas & Isatu Jalloh  
Profs. Zahra Sharif, Reginald Blake, & Hamidreza Norouzi

### What is the Comparison of NDVI & LST of Two Parks Based on the Tree, Grass, & Turf Density?

Ivan Boamah & Mohammad Masud  
Profs. Carolien Mossel, Reginald Blake, & Hamidreza Norouzi

### A Geographic Study for Landfill Sites & Emission Control Technology for Reducing Greenhouse Gases

Mark Stewart & Windiana Georges  
Prof. Masato Nakamura

### A Method to Downscale Satellite Land Surface Temperature Data in Urban Areas

Naved Khan  
Profs. Abdou Bah, Reginald Blake, & Hamidreza Norouzi

### Validation of Global Lake Surface Water Temperature

Pascal Kouogang & Mamadou Balde  
Profs. Abdou Bah, Reginald Blake, & Hamidreza Norouzi

### Green Hybrid Renewable VAWT Energy Systems

Sherene Moore  
Prof. Masato Nakamura

## NSF REU Grant # 1950629

Profs. Reginald Blake, Hamidreza Norouzi, & Ms. Julia Rivera

### Analyzing Anthropogenic & Climatic Trends on Regional Farms

Fambougouri Diane  
Profs. Caroline Schwab & Tarendra Lakhankar

### Correlations Between Gentrification Patterns in NYC Derived From Gas Outage Data & Reports Using Data Science & Geographic Information System (GIS) Tools

Itay Rubin  
Profs. Md. Rahman & Ronak Etemadpour

### Analyzing Anthropogenic & Climatic Trends on Regional Farms

MD Karim  
Profs. Caroline Schwab & Tarendra Lakhankar

### A Method to Downscale Satellite Land Surface Temperature Data in Urban Areas

Nadia Sultana  
Profs. Abdou Bah, Reginald Blake, & Hamidreza Norouzi

### Drought Climatology & Impacts in the Northeast United States

Rabeca Mohammed  
Profs. Leulaye Maskal & Nir Y Krakaue

### A Method to Downscale Satellite Land Surface Temperature Data in Urban Areas

Serigne Mbaye  
Profs. Abdou Bah, Reginald Blake, & Hamidreza Norouzi

### Effects of Riverine Inputs on Long Island Sound Water Quality

Syeda Mehjabin  
Profs. Alana Menendez & Maria Tzortziou

# INTERDISCIPLINARY PROJECTS

# NOTES

## The Origins of Crisis: Russia & Ukraine

Ali Jawwad  
Prof. Kyle Cuordileone  
[HIS 3402ID: Topics in Modern World History, 1945-Present](#)

## Exploring Online Harassment: What can be Done

Alicia Bennett  
Prof. Joseph Smith  
[SOC 2401ID: Society, Technology & Self](#)

## Sociopolitical Determinants of Health in Newly Rezoned Ozone Park, NY

Khemraj Persuad  
Prof. Amanda Almond  
[PSY 3405ID: Health Psychology Interdisciplinary](#)

## Design Game-based Learning: Playtesting a thesis

Micheal Lewis, Kimberly Ramgopal, & Cindy Veliz  
Profs. Tamrah D. Cunningham & Reneta D. Lansiquot  
[ENG 1710ID: Introduction to Language & Technology](#)

## Comparison Between Coastal Flooding & River Flooding

Zhenghua Li, Benny Li Li, JiaQi Huang, & Shuaixiang Feng  
Prof. Abdou Bah  
[PHYS 1002ID: Introduction to the Physics of Natural Disasters](#)

## The Groundbreaking Impact of Climate Change

KKaela Barzola, Starlyn Hiraldo, Mohammad Masud, Kristin Binda, Jason Huang, Zin Win Ko, Pascal Hermann Kouogang Tafo & Isatu Jalloh  
Prof. Abdou Bah  
[PHYS 1002ID: Introduction to the Physics of Natural Disasters](#)

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# Honors Scholars Program

# STUDENT ACADEMIC CONFERENCE

## Panel Presentations

### Panel 1: Music, Fashion, & Culture

#### **The Davies Tartan: From Then Until Now**

Lucas Davies

Mentor Prof. Nazanin Munroe

Business & Technology of Fashion Major

Introduction to Textiles Course

#### **Ludovico Einaudi: Why is His Music “Minimalist”, and Not “Classical”?**

Ashley Persuad

Mentor Prof. James Matheson

Mechanical Engineering Technology Major

Musical Styles Course

#### **The Evolution of the American Fine Dining**

Check Traore

Mentor Prof. Rosa Abreu

Hospitality Management Major

Dining Room Operations Course

### Panel 2: Health & Safety Education

#### **The Pandemic & the Hospitality Industry**

Letrecia Azor

Mentor Prof. David Lee

Hospitality Management Major

Principles of Persuasion Course

#### **Navigating the Nursing Program**

Grazziane Morbidelle

Mentor Prof. Michelle Gellar

Nursing Major

Foundations of Caring Course

**THE 36<sup>TH</sup> SEMI-ANNUAL  
DR. JANET LIOU-MARK HONORS AND UNDERGRADUATE  
RESEARCH SCHOLARS POSTER PRESENTATION**

To all the dedicated professors for  
mentoring students. A heartfelt thank you  
for making this event a successful one.

**SPECIAL THANKS TO**

**Ms. Iman Abdulfattah  
Ms. Lauri Aguirre  
Mr. Abdou Bah  
Prof. Tamrah D. Cunningham  
Mr. Christopher Navarrete  
Ms. Julia Rivera**

Rosa Abreu  
Gulgun Bayaz-Ozturk  
Nadia Benakli  
Karen Bonsignore  
Stephanie Boyle  
Marie-Cecile Chalbot  
Yu-Wen Chen  
Tamrah D. Cunningham  
Susan Davide  
Ossama Elhadary  
Li Geng  
Urmi Ghosh-Dastidar  
Katherine Gregory  
Sitaji Gurung  
Ezra Halleck  
Nina Hoch  
Jennifer Hoyer  
Brad Isaacson  
David Sanchez Jimenez  
Nanette Johnson  
Ivana Jovanovic  
Ellen Kim  
David Lee  
Sean P. MacDonald  
Bridget Maley  
Alberto Martinez  
Ariane Masuda  
John McCullough  
Suzanne Miller  
Elizabeth Milonas  
Marissa Moran  
Nanci Prince  
Rory Richards  
Noemi Rodriguez  
Gerarda Shields  
Satyanand Singh  
Zoya Vinokur  
Robert Walljasper  
Zheng Zhu  
Mai Zahran

**A special recognition and appreciation to  
Or Szyflingier for designing this program.**

**ORGANIZED BY CITY TECH'S HONORS SCHOLARS PROGRAM**