



NYU | CAS

# 49th

*Annual Undergraduate  
Research Conference*



Humanities

Social Sciences

Natural Sciences

49th Annual  
Undergraduate  
Research  
Conference  
Friday, May 5, 2023



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## POSTER SESSIONS

Hemmerdinger Hall, Silverstein Lounge, and Heights Lounge  
Silver Center, 1st Floor, 9:30AM-12PM

## AFTERNOON PANELS

12:30PM – 2:30PM

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## CLOSING CEREMONY

Hemmerdinger Hall  
Silver Center, 1st Floor  
3:00pm-3:30pm

## POSTERS

### Group 1

**Location:** Hemmerdinger

**Judges:**

Dubravko Sabo

Catherine Behm

**JUSTYN CHANG**, Biochemistry

Sub-Cellular Localization of Zinc Transporter Proteins ICT1 and ICT2

**ANIKA PARISA HASHEM**, Biochemistry

Investigating Molecular Mechanisms Conferring Anti PD-1/PDL-1  
Blockade Resistance

**KURT HU**, Biochemistry

Characterization of SERCA's Role in B Cell Function

**CHARLENE MANIPON**, Biochemistry

Characterizing the Selectivity of KdpFABC Towards Different Ions

**NICOLAS OLTEAN**, Biochemistry

Crystallographic approaches for understanding the tumor intrinsic  
and extrinsic factors mediating T-cell activation

**TRICIA WANG**, Biology

P2Y<sub>12</sub> Inhibition Suppresses Proinflammatory Platelet-Monocyte  
Interactions

## Group 2

**Location:** Hemmerdinger

**Judges:**

Manpreet Katari

Alexander Landfair

**ELIZABETH ABRAHAM**, Biology, Art History

Decoding the Role of HIF-1 $\alpha$  in *Staphylococcus Aureus* Skin Infection

**MEHNAZ HALIMA**, Biology

Uncovering the mechanisms of cell cycle specific regulation of Ribonucleotide Excision Repair for maintenance of genomic integrity

**MAISHA JACY**, Biology

Functional role of transcription factors in regulating neuronal development in the *Drosophila* visual system

**ISHAR VARMA**, Biology

Analyzing the Dynamics of MHV68 Uracil-DNA-Glycosylase *in vitro* and *in vivo*

**CHRIS NG**, Chemistry

**VIVIAN KUI**, Chemistry

**BETTY LI**, Computer Science

**ERIC KEMPSON**, Chemistry

Arginine Interaction with Non-polar Branched Chain Amino Acids in Proteins

### **Group 3**

**Location:** Hemmerdinger

**Judges:**

Michael Carrozza

Bridget McFarland

**BARDAN BHATTA**, Biology

The Role of Fibro Adipogenic Progenitors in Homeostatic Maintenance, Regeneration, and Atypical Tissue Formation in Skeletal Muscle

**IRIS FAGNIEZ**, Biology

Search for a new receptor of human PD-L1 and PD-L2

**GRAYSON LEE KIM**, Biochemistry

Using the FMR1- knockout rat model of fragile X syndrome (FXS) to study autism spectrum disorders (ASD)

**APRIL LI**, Biology

Generating MiMIC/CRIMIC-split-GAL4 genetic drivers via *in vivo* crosses

**KARLEE ROWLAND-PAZ**, Biology

Uncovering the spatial and temporal role of Innexins in the development of the visual system of *Drosophila*

**CARSON SCHULTZ**, Neural Science

Influence of Neurotoxic, Reactive Astrocyte State on Translation Levels in Neurodegenerative Disease

**AISHWARYA GOLLAMUDI**, Biology

The Effect of Obesity on VMHvl-CCKAR cells and its Ability to Modulate Mating Behaviors

## **Group 4**

**Location:** Hemmerdinger

**Judges:**

Pam Crabtree

**SAMUEL EZEONU**, Global Public Health/Biology

Genome Wide Mapping of Transcription-Replication Conflicts Using Oxidative Markers

**DANIEL HU**, Chemistry

Targeted Degradation of recombinant BCR-Abl using Photoswitchable Chimeras

**ROSHNI RAJ**, Neural Science, Anthropology

Early-life social adversity disrupts infant amygdala and use of the mother as a safe haven

**NADINE SIMPREVIL**, Chemistry

Analyzing the Effect of Ion Strength on Micelle Formations in Soluplus® using Dynamic Light Scattering

**ANGELA TALUSAN**, Biology

Leukocyte telomere length significantly reduced in women after ovarian stimulation during their first IVF treatment

**ALEJANDRA URQUIETA PINAYA**, Neural Science

The modifications in the infant rat hippocampus by the mother



## **Group 5**

**Location:** Hemmerdinger

**Judges:**

Scott Williams

Soojin Kim

**YUNIKA KHAMCHA MAGAR**, Biology

**PREETHI KUMAR**, Biology

“Stepping Up” Care: Patient Experiences of a Tailored Intervention Targeting Foot Self-care Practices to Prevent Ulcer Recurrence in Diabetes

**NAYELI MORONTA**, Global Public Health/Sociology

Medical Mistrust in Reproductive Health: Comparing the Experiences between Black, White, and Latinx Women

**SARAH LI**, Global Public Health/Biology

The Operationalization of Community Mobilization in Managing Hypertension in Lower-Middle Income Countries - A Scoping Review

**ADRIAN DUAH**, Social & Cultural Analysis, Africana Studies

Strategies of Adoption and Sustainability in Managing Hypertension among People Living with HIV in Lower-Income Countries: An Integrated Model

**EMERYC SOGBOSSI**, Global Public Health/Anthropology

Does Adoption have Implications on the Maintenance of Clean Cooking Technologies in LMICs? A Scoping Review

**KAREN WONG**, Global Public Health/Anthropology

Patient Perspectives on access and quality to healthcare after a Traumatic Brain Injury

## Group 6

**Location:** Hemmerdinger

**Judges:**

Stephanie Geggier

**LASYA DAMARAJU**, Biochemistry, Philosophy  
Synthesizing Shape-shifting Colloidal Chains

**IDALYS LOZANO**, Biochemistry  
Collimating the growth of twisted crystals of achiral compounds

**MERRITT MCDOWELL**, Chemistry, English and American Literature  
Characterization of Photoresponsive 1,2-Bis(2-methyl-5-phenyl-3-thienyl)perfluorocyclopentene Twisted Crystalline Films

**JUHEE (JOYCE) SHIN**, Chemistry/Chem & Biomolecular Engineering

**CAROLINA ELIZARRARAS**, Chemistry/Chem & Biomolecular Engineering

The Electrochemical Conversion of Propionic Acid to Ethylene

**DANIE SIVERTSEN**, Chemistry

Bypassing Sticky-Ends: Programming 3D DNA Crystals Using Pi-Stacking Interactions

**PALLAVI SUNDARAM**, Chemistry

Heat-Responsive Organic Semiconductor/Polymer Blends for Optoelectronics

## **Group 7**

**Location:** Hemmerdinger

**Judges:**

Joanna Klukowska

Aleksandar Donev

**ANTHONY DENDER**, Mathematics

Review and Analysis of Choice of Topology in Particle Swarm Optimization

**SELIN HEKIMGIL**, Computer Science

A Recommendation System to Overcome Filter Bubbles and Intellectual Isolation

**PEIQI LIU**, Computer Science, Mathematics

Dataset used to train an unsupervised image denoising algorithm

**YICHEN YU**, Computer Science, Mathematics

**CHARLIE CHEN**, Computer Science

Behavior content fusion for music presentation

**YA SHI ZHANG**, Mathematics, Computer Science

Range Functions of Any Convergence Order and their Amortized Complexity Analysis

## **Group 8**

**Location:** Hemmerdinger

**Judges:**

Jean-Claude Franchitti

Asli Peker

**TOMISIN ADEYEMI**, Computer Science

Tik Tok as an Alternative Data Source for Socially Responsible Investments

**ANDY WEI**, Computer Science

Detecting and Modeling Emerging Events Related to Social Movements on Twitter using Contrastive Topic Modeling

**CAROLINE HUBER**, Mathematics, Economics

Factors of Women's Wellness in the U.S.

**ANGEL WU**, Computer Science, Economics and Mathematics

A study of the isoperimetric problem on graphs

**HONGYI ZHENG**, Mathematics, Computer Science

**YIXIN ZHU**, Mathematics / Computer Science

Efficient Transformer-Based Natural Language Model for Re-Admission Prediction

## **Group 9**

**Location:** Hemmerdinger

**Judges:**

Brandon Kaplowitz

**YIQIAO SUN**, Computer Science/Math

**MENGZHE YAN**, Economics and Mathematics

Reaction Behavioral Factor

**RENEE WANG**, Economics

Proposer Uncertainty and Competition in Ultimatum Bargaining:  
an Experimental Study

**SIRUI WANG**, Economics and Mathematics

Consumer choices and economics trends

**QIHANG XU**, Mathematics

**YICHEN QIAN**, Mathematics

**YE LIU**, Data Science

**JIANAN LIAO**, Economics

Mathematical Interpretation of China's Economic Outputs - The Role  
of Birth Rate in Economic Growth

**WEIYI ZHOU**, Economics

The Economic Effects of Subway Parallelism — A comparison study  
of common track subways of New York City and Shanghai City

**NICOLETA KRENTERAS**, Mathematics, Environmental Studies

Comparative analysis of the sustainability of smart transportation  
implementations in the EU

## **Group 10**

**Location:** Hemmerdinger

**Judges:**

Shara Bailey

**FABIOLA SANABRIA CHAVERRI**, Economics  
Recycling behaviors in New York City

**TANWI WANGIKAR**, Environmental Studies  
Transformation successes and the ability of Transformation to alter  
American agriculture

**SEVASTIAN SANCHEZ**, International Relations

**INTI ROBINSON CAMPBELL**, Economics

An evaluation of the inequitable exposure of particulate matter  
as a consequence of the disproportionately greater use of public  
transportation by demographic minorities and the potential for  
sustainable alternatives in transit fuel

**KIMBERLY UNION**, Environmental Studies

Modeling Wetland Soil Carbon Levels with Hyperspectral Imagery

**ETHAN VAINRIB**, Environmental Studies

A Cross Sectional Analysis of Anthropogenic Pollution along an  
Urban-Rural Gradient

**GUINEVERE PANDOLFI**, Global Liberal Studies: Sustainability, Health,  
and the Environment/ Biology

Uncovering the Origins of Endangered Foraging Western South  
Atlantic Green Turtles

## **Group 11**

**Location:** Hemmerdinger

**Judges:**

Frank Moscatelli

Andrew Haas

**YICHEN QIAN**, Mathematics

Random Walk in Random Environment

**TANUJ SISTLA**, Computer Science/Math

Using Computer Vision to Track Coherent Vortices in Fusion Plasma Turbulence

**ZIHAN ZHANG**, Mathematics, Computer Science

Laboratory Icebergs Melt Down and Flip Over—Shape and Capsize Dynamics of Free-floating Melting Ice

**YUAN ZHANG**, Computer Science/Math

Applying Dynamic Mode Decomposition and Perturbation Method on climate data

## Group 12

**Location:** Hemmerdinger

**Judges:**

Paramjit Arora

Sonia Das

**NATALIA CASTILLO**, Neural Science

**LAURA PEDROZA**, Biology

**LAURA VALENCIA**, Neural Science

Exercise And Anxiety: Using Threat Response To Reveal The Effects Of Exercise On The Nucleus Accumbens

**VIVIAN LEE**, Global Public Health/Sociology

Identifying the role of cingulate cortex in a listening effort task in gerbils

**CHRISTOPHER MORALES**, Neural Science

Validation of A New Visual Oddity Task Through Human and Monkey Contrast Sensitivity Comparison

**NISHIKA NAVRANGE**, Neural Science

Investigating the Interaction Between GADD34 and eIF2a In Hippocampal Memory Consolidation of Mice

**MIDHULA PILLAI**, Neural Science

The Behavioral Impact of Regulating Imp in *Drosophila* Type II Neuroblasts During Olfactory Navigation

**BRYANNA VILNAIGRE**, Neural Science

Investigating the Functional Role and Molecular Identity of Foxp2+ Cells in the Bed Nucleus of the Stria Terminalis



## **Group 13**

**Location:** Hemmerdinger

**Judges:**

Yu Zhao

William Morgan

**LISA ABE**, Neural Science

The Possible Role of SCRN1 in Tau Phosphorylation in Alzheimer's Disease

**ALLISON CHEN**, Biology

Visualizing excitatory synapses over interneurons in vivo

**ENGEL ERENDZHENOVA**, Neural Science

Neuron-specific distribution of insulin-like growth factor 2 receptor in brain

**YUAN XIE**, Neural Science

Speed Discrimination in the Parafoveal and Peripheral Visual Field

**ASTRA YU**, Neural Science

The effect of modulating the integrated stress response on tau phosphorylation and aggregation in vitro

**JACKIE ZHAO**, Psychology, Neural Science

p38 MAPK signaling during long-term memory induction is required for later reinstatement after forgetting

## **Group 14**

**Location:** Hemmerdinger

**Judges:**

Richard Orr

**TEAGAN DALY, Biology**

Estimating the Number of Functional Units Within Dendritic Arbors

**VALENTINA JIMINIAN, Neural Science**

Is “runner’s high” driving excessive exercise in anorexia nervosa?

**CARRIE CHEN, Biochemistry**

Single Residue Mutations of CTCF Affect CTCF Structure and Its binding to DNA in Cancer Patients

**YVETTE SOMERSEL, Biology**

Elucidating the role Chromatin Remodeling Complexes play in Neuro-developmental Disorders

**BRIDGET XU, Neural Science**

Changes in AMPAR Expression in the mPFC and its Relation to Ameliorating Anorexia-like Symptoms in Adolescent Mice Treated with Ketamine

**RILEY NEHER, Data Science**

Neighborhood Disparities in New York City EMS Response

## **Group 15**

**Location:** Hemmerdinger

**Judges:**

Avia Tadmor

**JAMES CHEN, Neural Science**

Investigation of Speech Production Pathways through Representation Similarity Analysis (RSA) of Stereoelectroencephalography (sEEG) Data

**JORDAN GROSS, Psychology**

Understanding the function of the medial amygdala Foxp2 subpopulation for female social behaviors

**KIRILL KISELEV, Neural Science, Psychology**

The neural mechanism of semantic knowledge generalization in rodents.

**CASSIDY KOHLER, Neural Science**

Optogenetic manipulation of dentate inhibitory phase locking in a mouse model of temporal lobe epilepsy

**DYLAN RHODES, Neural Science**

A Dedicated Neuronal Population Responsible for Sex-Independent Alloparental Behavior

**HANNAH JIA HSING SMITH, Neural Science**

A physiologically-compatible paradigm for acute stress in OCAM studies

## **Group 16**

**Location:** Hemmerdinger

**Judges:**

Christine Constantinople

Jamie Root

**ROBERT CARNEY, Neural Science**

ERK phosphorylation patterning provides evolutionarily conserved gain control to long-term facilitation dynamics in mammalian cells

**CATHERINE FAN, Psychology**

Uncovering the Projection of Dopamine Receptors within the Posterior Dorsal Striatum

**ANGIE GALAS, Neural Science**

Desynchronization of Entorhinal-Hippocampal Theta in a Mouse Model of Alzheimer's Disease Pathology

**SAI VENDIDANDI, Neural Science**

Effects of AC Stimulation on the Cerebellum

**AUSTIN WANG, Computer Science, Neural Science**

Decoding the electroencephalography signals of chronic pains by machine learning

**ZELIN ZHAO, Psychology**

Role of Prefrontal Cortex Activity in Behavioral Deficits Caused by Maternal Separation

## **Group 17**

**Location:** Hemmerdinger

**Judges:**

Argelinda Baroni

Lilach Rosenberg-Friedman

**SOPHIA CORDEIRO, Psychology**

The Role of Parent Beliefs About Science in Shaping Their Child's Science Outcomes Through Parent Use of Subtle Linguistic Cues

**SERENA FU, Psychology**

**LISA ZHU, Psychology**

**ANDREW MOTA, Psychology**

Preferential Looking at Own-Race Versus Other-Race Faces Across Infancy

**ANJALI GOLECHHA, Psychology**

**ANA JEAN, Psychology**

**MONA LEBRUN, Psychology**

The Influence of Parent-Child Communication on Gender Disparities in Service Jobs

**AISLYN GORDON, Psychology**

**SARA LIZARAZU, Psychology**

Generic Language in Parent-Child Conversations About Racism and Children's Developing Racial Biases

**KIRSTEN MARK, Psychology**

How Do Young Infants Categorize Scenes?

**SIYANG SHEN, Psychology**

Does adolescents' gender predict their mental representation of the leader role?

**LISA ZHU, Psychology**

6 to 20-month-olds' Visual Preferences for Own-race or Other-race Faces as Influenced by Social Environment Diversity

## **Group 18**

**Location:** Silverstein

**Judges:**

Andrew Getzfeld

Yass Alizadeh

**YIBO HU**, Economics, Psychology

The Effect of Paradoxical Knowing in the Context of Stock Market Trading

**LILY JOHNSON**, Psychology

Social class and empathic accuracy: Lower class advantages in decoding verbal and nonverbal information

**ANASTASIIA KOROLEVSKAIA**, Psychology

Trait Dependency and Narcissism in the Iterated Prisoner's Dilemma

**RACHEL MCCRAY**, Psychology

Exploring the Efficacy of MoCA Score Corrections and Norm Replacements in Reducing the Influence of Race/Ethnicity

**BRENDA QIU**, Psychology

Associating the Surface Area of Cortical Visual Areas V1-V4 with Visual Crowding Performance

## **Group 19**

**Location:** Silverstein

**Judges:**

Julia Hernandez

Pablo Ripolles

**ARUSHEE BHOJA, Psychology**

Examining Gendered Expectations of Gay and Lesbian Individuals

**ASHLEY CROWDER, Psychology**

Resilience, Coping, and Mental Health In University Students

**WHITNEY HUGHES, Journalism, Psychology**

Social Dominance Orientation and Political Ideology shape mental representations of inequality

**XUESHI KANG, Psychology, Data Science**

What contributes to occupational status? Investigating how gender-stereotypic job attributes are related to perceptions of occupational prestige

**MAYA KREITMAN, Psychology**

Gender-Marked Messages Effect Beliefs About Who Does and Who is Good at an Activity

**ZHIHENG LIU, Psychology**

An Investigation on the Separate Contributions of Agency-Communion Perceptions and Male-Female Representations on Occupational Prestige

## **Group 20**

**Location:** Silverstein

**Judges:**

Brendan M. Sullivan

**MONIQUE EZEH, Politics**

Subjective Citizenship: Effects of Identity Salience on Civic Engagement Among Sub-Saharan African Immigrants

**FREDDY BARRERA, Politics**

The effects of economic recession on deportation rates of Latinx immigrants

**ZOEY MENG, Anthropology, Psychology**

Pragmatic Categorization of Homophones in Chinese Cyberspace

**WEIQI QIU, Philosophy, Mathematics**

The Living Legacy of an Eternal Art Piece: Euripides' *"Trojan Women"* through Three Modern Lenses



## **Group 21**

**Location:** Heights

**Judges:**

Chiye Aoki

**SEB GOODWIN-GROEN, Neural Science**

Ketamine's positive effects on a mouse model of anorexia extend into adulthood with repeated dosing

**MUHAMMAD SOLIMAN, Global Public Health/Biology**

Evaluation of fluid biomarkers and the PBMC transcriptome in a non-human primate model of sporadic CAA

**AAYUSH KANERIA, Philosophy**

Developmental ethanol exposure impairs adult sleep and salience network connectivity in mice

**RUOHENG ZENG, Neural Science**

Optogenetic Manipulation of Basal Ganglia Pathways on Voluntary Movement

**ISABELA WEBER, Neural Science**

How different cortical brain areas (RSC, S1) are involved in fear learning

**EMILY LU, Neural Science**

A novel pathway to regulate protein synthesis during synaptic and memory consolidation

## **Group 22**

**Location:** Heights

**Judges:**

Elizabeth Bauer

Gaston Giribet

**AMINATA JUWARA**, Psychology

Power of Framing of Gender Disparities in Leadership

**ADELINA SIMPSON**, Psychology

Follow my eyes: Social class indices and their association with spontaneous gaze sharing

**NIOUMA SEMEGA**, Global Public Health/Sociology

An Immersive Pollutant Filter for Bodies of Water

**ANTHONY SUKOTJO**, Computer Science

Do mayoral candidates moderate their political ideology for the general election?

**LAUREL XIANG**, Computer Science, Data Science

Testing current text generation technologies on the UN SDG Report Dataset

## **Group 23**

**Location:** Heights

**Judges:**

Stephen Butler

Timothy Roeper

**CAROLINE GOETZ**, Economics

Measuring the Executive Branch's Influence on the Allocation of Federal Dollars with a Continuous Independent Variable.

**JINHAN LUO**, Economics and Mathematics

A Markov Chain Simulation of Infinitely repeated Prisoner's Dilemma

**YUQIAN ZHANG**, Economics and Mathematics, History

**YILING DING**, Economics and Mathematics

The Three-Vortex Problem

**YUELONG LI**, Mathematics, Physics

Stepped Equilibria Pressure Profile In Plasma Containment

**WU QI**, Economics and Mathematics

Applying Emotion Artificial Intelligence to Help Predict the Stock Market of Luxury Goods

**EDEN SERAN MIN**, Sociology

Disabling Crime in Newspapers

**PIA PAREKH**, Gallatin

Ping! - Preventions & Interventions for Neurotypical Gen-Z

## **Group 24**

**Location:** Heights

**Judges:**

James Canary

**KATERINA PETROFF**, Biochemistry

Contribution of Mesenchymal Stromal Cells to Adipose Tissue

**AMALIA KORNIYENKO**, Biology

Dual-Tasking in Daily Activities Among Adults With and Without Stroke

**ARMIN OSMANOVIC**, Chemistry

Biosorption of CU(II) Ions By Green Tea and Peppermint Tea Waste

**ANDREW WITTY**, Chemistry, Economics

Exploration of a Zinc based substitute for Silver Diamine Fluoride in the treatment of Dental Caries

**HARSHITA RAMCHANDANI**, Biochemistry

Understanding the Structure of the Microsporidian Polar Tube using Cryo-Electron Tomography and 3-D Reconstructed Models

**BINDU KOYI**, Biology

Effect of Age on Selective Laser Trabeculoplasty (SLT) as Primary Therapy in Patients with Glaucoma: 20 Year Experience

## PANEL PRESENTATIONS

### **Access to the Arts: Displaying, Preserving, Performing, and Interpreting I**

**Location:** Silver Center for Arts and Science, Room 301

**Judges:**

Julia Hernandez  
Jon Ritter

**ZEIN BLANKS**, International Relations  
(In)famous Figures: An Analysis of the Ordinary Through Ancient Papyrus

**DUSTIN CHEN**, Art History, Classics  
Local Agency at Crossroads: Yingpan Man as a Unique Case

**CAROLINE COOK**, Art History  
Constructing a Category: Moroccan Jewish Art

**MOLLY KOCH**, Art History, Journalism  
Appreciating the Art of Papyrus: Ancient Forms of Reading and Writing

**NATASHA ROY**, English and American Literature, Politics  
James Joyce or Socialist Realism? Marxist Aesthetics, Interpretive Praxis, and *Ulysses*' Dialectical Theory of History

**JAIDEN SANCHEZ**, Art History  
Redefining Indigenous Feminist Art: Matriarchal Indigenous Artist

## **Access to the Arts: Displaying, Preserving, Performing, and Interpreting II**

**Location:** Silver Center for Arts and Science, Room 518

### **Judges:**

Bridget McFarland  
Ioanna Kostopoulou

**RACKEB KELEMU**, Comparative Literature, Philosophy  
Oblivio: Reconstructing The Forgotten Memories of Document  
0400

**LUC GINER**, History, Journalism  
Artists of Conviction: Historicizing CHARAS Through Social Art

**ANAND KUMAR**, Public Policy  
Vikramshila Mahavihara: Before and After Its Destruction (A True  
Historical Reconstruction of 1300 Years)

**SYDNEY NADEAU**, Mathematics  
Papyrus: Analyzing a Time Capsule of an Ancient Language

**NICOLAS PEDRERO-SETZER**, Cinema Studies, Journalism  
Microcinemas: Marginal Moviegoing Practices in America

**ARADHANA SAI PRABHALA**, History, Politics  
Reframing Art as Labor: The Aesthetic, Political, and Economic  
Ideology of the Art Front

## **Bacteria, Viruses, and Immunity**

**Location:** Silver Center for Arts and Science, Room 409

### **Judges:**

Nikolai Kirov

Katie Paolantonio

**ETHAN BAKAL**, Global Public Health/Biology,

Temporal localization studies uncover novel putative protein targets of the protease PrkA during spore formation in "*Bacillus subtilis*"

**ADAM BRUZZESE**, Biology, Chemistry

Diffusion and capture of YpjB from the mother cell to the outer forespore membrane is necessary for efficient sporulation of *Bacillus subtilis*

**ARI DAVYDOV**, Biology,

Visualizing Energetics and Dynamics of Microsporidian Infection

**ALEXIS JACOBSON**, Biology,

Bullseye: A high-throughput testing system of neoepitopes to enhance cancer cell targeting in immunotherapy treatments

**JEREMY LI**, Biology,

Importance of inner retinal thickness and brain metabolites to glaucoma using information gain assessment

**ERIC RAO**, Biology,

Development of a PD1-LAG3 Fusion Decoy Protein to Prevent T-cell Suppression

## **Culture and Society I**

**Location:** 194 Mercer Street, Room 201

### **Judges:**

Pam Crabtree  
David Ellis  
Justin Pargeter

**ANYU CHING**, Journalism, Public Policy

“A Slippery Slope of No Return”: Singapore’s LGBTQ+ Community in the Aftermath of Section 377A

**AJ CRAWFORD**, Anthropology

The effect of Silica Concentration on Stone Tool Polish Formation

**AUDRA FRIED**, Anthropology

Professionals, Politics, and Sheitels: Being a Litvish Woman in 21st-Century America

**MEGAN LI**, Stern

El, Elohim, and Elyon: How Divinities Existed in Monotheism

**JAMES PARROTT**, Anthropology

A preliminary Archaeobotanical survey of an Iron Age frontier Town: The light fraction from Area L, Tel Dan, Israel

**AIDAN TAYLOR**, Journalism, Anthropology

Busing for Desegregation on its Last Fumes

**TIANLE YE**, Sociology

Quest for Intimacy: A Case Study of Christian Emerging Adults’ Religious Individualism in the Context of the COVID-19 Pandemic

**ANDREW CALIFF**, Anthropology, Journalism

Mapping Prehistoric Lithics in Northern Mongolia’s Taiga



## **Culture and Society II**

**Location:** 194 Mercer Street, Room 210

### **Judges:**

Matthew Rohrer

Andrew Ross

**AURORA GHORAB**, Anthropology, Politics

A Critical Analysis of Strategic Racialization, Identity Construction,  
and Dispossession of Afro-Indigenous Melungeons through  
Hiawatha Goins and Family

**JULIA XIN YU NG**, Metropolitan Studies, Environmental Studies

Taking Stock: The Singaporean Sustainable Fashion Scene

**SAMANTHA LEWIS**, Sociology

Gun Culture and Nationalism on Facebook

**DIANA LIU**, History, Economics

China's Reform and Opening Up & the PBOC

**ARIA TAMEZE**, Economics, Anthropology

Even a blank piece of papyrus has a story to tell

**RUOLIN WANG**, East Asian Studies

Homelands across the Wall: Comparative Study of Warring-States-  
to-Han and Ming Great Walls in Eastern China

**ABBY WILSON**, Journalism, English and American Literature

How trauma-informed tattooing fractured an industry entrenched  
in tradition

## **Gender Studies: A Global View I**

**Location:** Silver Center for Arts and Science, Room 508

### **Judges:**

Michelle Dent

Zach Samalin

Liana Theodoratou

### **JORDAN SIMPSON, Economics**

Breadwinning Preferences: How gender dynamics alters one's desire to select into and earn for a team

### **HOPE JACKSON, History**

Gender and Irish Sign Language: The Development, Difference, and Decline of Female ISL

### **HOURUI GUO, Economics and Mathematics**

**KEYI LUO, Economics and Mathematics**

**YUANJIN ZENG, Economics and International Relations**

**YICHI YANG, Economics and Mathematics**

Missing Women Consequence: How Missing Women in 90s affects Rural Marriage Market in China Nowadays

### **CHAOTING TANG, Sociology**

Transactional Desire: Exploring Male Student Sex Workers in China

### **JIAYU HUANG, East Asian Studies**

Gender Bias in the Chinese Women-Praising Classic

## **Gender Studies: A Global View II**

**Location:** Silver Center for Arts and Science, Room 510

**Judges:**

Jay Garcia  
Soojin Kim

**EMILY REN**, Art History

Shifting Attitudes and Censorship: The Evolution of Mother-and-Child Prints in Edo-Period Japan

**QIURUI FENG**, Economics, Politics

Gender for Sale: A study of betrothal gifts and sex trafficking in China

**JOSH TING**, Psychology

Damsels in Distress: Effects of Helping Behavior Perceptions on Women in the Workplace

**HANNAH SIEGEL**, Sociology

The Trans Threat is an Aesthetic Threat: Gender Variance, Dress, and Contemporary Judaism

**HANYUN LIU**, Sociology

Third Child Policy and Fertility intention: What factors influence the decision to have children for couples in China?

**SYDNEY GREEN**, Dramatic Literature, Anthropology

Unearthing Nonconformity: Applying the Queer Lens to Prehistoric Europe Through Sexing Practices

## **Genes, Growth, and Development I**

**Location:** 12 Waverly Place, Room L111

### **Judges:**

Patrick Eichenberger

Dubravko Sabo

### **SEBASTIAN JAMSHAHI, Mathematics**

Generation of motor neurons by forced expression of neurogenin-2 with retinoic acid and smoothened agonist

### **JENNY JIN, Biology**

Investigation of Spo15 Protein Function in Heterochromatin in *S. Pombe*

### **ALLISON LEVIN, Physics**

Probing Nucleocytoplasmic Transport Using Fluorescent Proteins

### **MAYA NAVARRO, Global Public Health/Biology**

Elucidating the pro-metastatic mechanisms of CNDP1 protein in melanoma brain metastases

### **MICHELLE POLLAK, Biology**

Opening Doors to Development: Zelda's Proximal Gene Pairs and Their Impact on Early Embryonic Gene Expression in *Drosophila*

### **HUNTER WHITBECK, Environmental Studies**

Development and Application of a qPCR Method for Quantifying Telomeric DNA

## **Genes, Growth, and Development II**

**Location:** Silver Center for Arts and Science, Room 512

**Judges:**

Fei Li

Richard Orr

**AHMED BEHIRY, Biology**

Unraveling the genetic network of the crust layer pertaining to the *Bacillus subtilis* endospore with CotW's localization as the main target.

**ANDREA CORTÉS, Biology**

Assessing the role of autophagy in *Drosophila melanogaster* somatic gonadal cells.

**CAMILA FANG, Biology**

Ethnic Distribution of Molecularly Classified Brain Tumors

**NATHALIE SHOJI, Global Public Health/Biology**

Identification of novel neuronal cell-types through single-cell RNA-sequencing-guided split-GAL4 lines in *Drosophila* visual system

**MENNAH SOLIMAN, Biology**

Characterizing interactions of cell-autonomous and extrinsic gene regulatory programs that control *Drosophila* neural development

## **Global Issues Past and Present**

**Location:** King Juan Carlos Center Room 607

### **Judges:**

Ted Conover

Doreen Densky

**JEFFREY GUAN**, Mathematics, Economics and Mathematics  
German Merchants of the Steelyard and Loss of Hanse Franchises  
in London: Urban Economies, Foreign Merchant Networks,  
and Queen Elizabeth's Revocation of Medieval Hansard Trade  
Privileges 1558-1660

**JASMEEN KAUR**, Computer Science,  
The Impact of AI on the Job Market

**SAMAA KHULLAR**, Journalism, Middle Eastern Studies  
Culture of Shame: How Stigma Keeps Jordanians from the Mental  
Health Help They Need

**AUSTIN LI**, International Relations  
Heterogeneous Effects of Sanctions Shock on Political Support for  
the Incumbent in Venezuela

**AKEYLAH PAMPHILE**, Sociology  
The Effect of Social Isolation as a Result of COVID-19 on the  
Behavior of College Students

**ELLIOTT WENZEL**, History  
Contestations of Authority in the Investiture Controversy (1076-1122)

## **Health and Development: Science at the Crossroads**

**Location:** 194 Mercer Street, Room 306A

### **Judges:**

Bruce Bromley  
Tatiana Linkhoeva

**HAMLEINI MARTINEZ**, Global Public Health/Sociology  
Racial Disparities in Healthcare

**DAELAH NICHOLAS**, Neural Science

Infant Temperament: Exploring The Potential Role of Maternal Dietary Choline and Folate Consumption During Pregnancy in a Michigan Pregnancy Cohort

**SAATWIK PANIGRAHI**, Economics, Mathematics

Using Artificial Intelligence to Predict Undernourishment in Country Clusters

**CARLY STARK**, Anthropology

Sexual dimorphism of the sacral auricular surface: A 3D geometric morphometrics analysis

**AMBRIA WILLIAMS**, Public Policy

Law, Science Fiction, and Biomedical Technology: Utilizing Science Fiction to Engage the Public in Health and Biomedical Device Law

## **Interpersonal Relationships**

**Location:** 60 Fifth Avenue, Room 202

**Judges:**

Andy Hilford

Lilach Rosenberg-Fried

**FRANKLIN CHENG**, Anthropology

Ultra-Flexible Citizenship: Opportunities and Tensions Among Chinese International Students at NYU

**TIANYUN FANG**, Economics

Substance Use, Delusional Jealousy, and Personality Disorders: Male perpetrators' dynamic risk factors in IPV recidivism

**YUNLAI GUI**, Psychology, Journalism

The Intergenerational Transmission of Social Essentialism: How Parents' Beliefs Influence Children's Beliefs

**EUGENE HU**, Linguistics, Cinema Studies

On Agency Denoted and Reactions Incited by Slurs on Social Media

**ZOE MAKLER**, Sociology, Public Policy

Passion vs. Practicality—How NYU Students Choose Their Major

**XIAOLIN OU**, Psychology

Influences of Multicultural Background: Crisis of Connection among Chinese Boys in America



## **Issues in Law, Justice, and Government I**

**Location:** 726 Broadway, Room 701

### **Judges:**

Christopher Dawes

Ruth Horowitz

**TÓSÌN AKINNAGBE**, Computer Science

Beyond Ballot Boxes: How Decentralized Voting Systems Could Revolutionize Nigeria's Political Landscape

**LINCOLN DOW**, Politics

Medicare Coverage as a Determinant of Trust in Government

**FIYIN OKEREMI**, Africana Studies, Psychology

Criminalization of Rap/Hip-hop in the United States

**CON XIE**, Finance

A Critical Gap: On the Climate of Procedural Justice Research

## **Issues in Law, Justice, and Government II**

**Location:** 726 Broadway, Room 794

### **Judges:**

Yass Alizadeh

James Nolt

### **SOOFIA KHALEDI, Psychology**

Generational Status and Attitudes Towards Immigration

### **DARIA KOWALSKI, Politics, Psychology**

A Global Fight: Drawing Comparisons Between the Use of Social Media and Protest Between Black Lives Matter and Women, Life, Freedom

### **ALISHA MEGHANI, Politics, Journalism**

Getting Away With Murder: How Pakistan's Legal Tradition Lets Men Off the Hoo

### **ROHAN LALLA, Social & Cultural Analysis**

A Post-Industrial Atlas of Yemeni Buffalo, NY

### **KURT TIO, Chemistry**

NLP Analysis of Word Choice in Reports of Domestic Terrorism

### **BRANDON WILKY, Environmental Studies**

Removing Equity Barriers to the Electric Vehicle Transition

## Issues in Linguistics

**Location:** 7 East 12th St, Room LL31

### **Judges:**

Chris Barker  
Ailis Cournane

### **MARION KALINA HEINRICH, Linguistics**

The Syntax and Pragmatics of Question-Response Pairs Between Caregivers and Children with Autism

### **DIANA KAZARIAN, Mathematics, Data Science**

Using Predictive Analytics to Analyze Bias in Nagorno-Karabakh Media Coverage

### **ANDREA RODAS, Linguistics, Journalism**

Realization of [b] and [v] Sounds in Spanish for Early Bilinguals: Simultaneous Bilingual English/Spanish Speakers and Sequential Spanish/L2 English Speakers

### **ZIHAO YANG, Computer Science**

The impact of multitask learning and correlations between coding systems on ICD9 code classification

### **MAYEE YEH, Applied Psychology, Linguistics**

Specifying the Singular: How Queer Identity Informs Interpretations of They

## **Mathematics and Modeling in Understanding of the Physical World I**

**Location:** 7 East 12th Street, Room 131

### **Judges:**

Gaston Giribet  
Fengbo Hang

**CARLA GARCIA MEDINA**, Computer Science, Data Science  
Open-Loop Reward Retrieval: Mining Reward Functions from Joint Latent Spaces

**SEAN KU**, Mathematics

**VICTOR KUANG**, Physics  
Applications of Linear Algebra and Basis Transformations on Camera Modeling

**NICK LABRANCHE**, Physics, Mathematics  
Comments on the two-point string amplitudes

**SWAGNIK ROYCHOUDHURY**, Computer Science/Computer Engineering  
Application of BadNets in Spam Filters

**SANA SAJJAD**, Economics and Mathematics  
Can Artificial Intelligence Help Flag Fake News? Towards an Experimental Predictive Analytics Tool to Help Detect Misinformation in News Articles

**MAOSEN TANG**, Mathematics  
Efficient Algorithm for Stylized Animation using Freeform Vector Graphics with Controlled Non-Uniform Rational B-Spline Curves

## **Mathematics and Modeling in Understanding of the Physical World II**

**Location:** 7 East 12th Street, Room 134

**Judges:**

Susan Liao

Al Olsen

**XINRAN LI**, Mathematics, Computer Science

**ROBERT CHEN**, Mathematics, Computer Science

**YILU PAN**, Mathematics

**YIXIN WANG**, Computer Science/Mathematics

Typicality algorithms for partial trace estimation

**JYOTHISH PARI**, Computer Science/Mathematics

Teach a Robot to FISH: Versatile Imitation from One Minute of Demonstrations

**ALISA RAHIM**, Biology

Improving Otsu's Thresholding Method of Global Binarization Using Ring Theory for Ultrasounds of Congestive Heart Failure

**JONATHAN SINGER**, Computer Science/Math

Optimizing Intra-Process Communication Performance While Maintaining Security in the Lind Single-Process Sandbox

**MENGZHE YAN**, Mathematics, Economics

Settlement of Buoyant Structure within a density varying profil

## **Molecules and Materials**

**Location:** Silver Center for Arts and Science, Room 620

### **Judges:**

Zhihua An

Frank Moscatelli

### **SARAH ANDERSON, Chemistry**

NOESY Analysis of Choline-Chloride Based Deep Eutectic Solvents

### **RAFAEL BAEZ, Biology**

Mitigating the Impact of Scientific Inquiry on Plastic Pollution:

Reapproaching Methods for Sampling Aquatic Macroinvertebrates

### **JORDAN JANOWSKI, Biochemistry**

Encoding Chirality in 3D DNA Crystals: From Primary to Tertiary Structures

### **SALLY LIANG, Physics**

Mechanical Exfoliation of h-BN as dielectric in Josephson junction Fabrication

### **AASHAY PAI, Physics**

Spectral Holography: Imaging Complex Systems with Broadband Sound

### **EUGENE TOTH, Chemistry**

Rational Design of an E6 Mimic to Target E6AP

### **ANASTASIA ZHUROVA, Global Public Health/Biology**

Mastering Multiplex Immunofluorescence Imaging and Analysis: The Path From a Basic Test Platform for Immuno-Oncology

## Neural Science

**Location:** 60 Fifth Avenue, Room 165

### **Judges:**

Christine Constantinople

Yu Zhao

### **STEVE CIERVO**, Neural Science, Psychology

Using predictive analytics to understand how genes interact in Alzheimer's Disease

### **NELLIE JUN**, Neural Science

Analyzing AI-Generated Depictions of LSD-Induced Hallucinations: Implications Behind Using AI to Visualize Human Altered States of Consciousness

### **YILUN KUANG**, Mathematics

Self-Supervised Learning of Maximum Manifold Capacity Representations

### **ANGELINA XU**, Neural Science

Identifying how synaptic partners of "*Drosophila*" circadian pacemaker neurons change during plasticity

### **HOWARD YE**, Data Science, Psychology

Bi-path Neural Prosthetic Arm, Able to Receive and Act Upon EMG and Give Feedback to the Human Body

## **New York City: Longstanding Challenges and Dynamic Change**

**Location:** Silver Center for Arts and Science, Room 621

### **Judges:**

Mosette Broderick  
Gabriel Dattatreyan

### **LONG CHING CHUNG, Politics**

The peculiar and evolving experience of the American LGBT  
Conservative

### **REISS HARLAN, Urban Design & Architecture Studies, Philosophy**

Building Better: The Ethics of Gentrification in New York City

### **WINN LEILA, Environmental Studies**

Integrating Community Science and Passive Acoustic Monitoring  
to investigate the Impact of Helicopter Noise Pollution on Bird  
Populations of Governors Island, NYC

### **YILIN LUO, Sociology**

Combating Hate: A Mixed Method Research on Asian Americans  
Volunteer Group Under the New Waves of Hate Crimes



## **Philosophical Thought**

**Location:** King Juan Carlos Center Library

### **Judges:**

Benoît Bolduc

Michelle Dyke

**HAYLEY HELEN ARMSTEAD ACKERMAN**, Global Public Health/History  
Interwar Egypt Revisited: The Limitations of the Postcolonial State  
and the Emergence of a New World Order

**ZERU HU**, Game Design, Philosophy  
The Judgment of Fun

**JUAN PAVA**, Economics, Philosophy  
Political Welfarism: A Defense of Well-Being Policy

**GAVIN S. PERRI**, Philosophy  
Scientific Principles of Neu ophenomemological Mutual Constraint

**MICHAEL POLING**, Philosophy,  
Moral Motivation in Spinoza and Kant: Reason, Freedom, and  
Causality

**LEILA SANDLIN**, Linguistics  
Modal Horizon Sees Free Choice

## **Psychology: Human Behavior and Perception I**

**Location:** 60 Fifth Avenue, Room C03

### **Judges:**

Catherine Behm

Pablo Ripolles

### **LISA CHEN, Psychology**

Consumer Reaction to Generative AI Pictures of Popular NYC foods

### **ANVITA GUDA, Language and Mind**

Investigating the neural mechanisms defining the temporal structure of consciousness

### **KATHRYN JANO, Psychology**

Comparison of Child and Adult Importance Ratings of 20 Individual Social Status Dimensions

### **ANYA PABBY, Psychology**

The use of structured interviews in mitigating bias in medical resident programs

### **YASHITA THOTA, Psychology**

The Interaction Between Misplaced Certainty Tendencies and Social Network Make-Up: Pilot

### **ZHIJUN ZHOU, Psychology**

How does media exposure of body positivity influence adolescent women's self-image?

## **Psychology: Human Behavior and Perception II**

**Location:** 60 Fifth Avenue, Room C12

### **Judges:**

Andrew Getzfeld

Jamie Root

### **VIOLET BREDE, Psychology**

Children's understanding of the role of economic disadvantage in academic and professional success

### **MADDY DUPEE, Psychology**

The ideological differences in assessing merit: Disentangling the role of effort vs. output in judgments within educational contexts

### **KIRILL KISELEV, Neural Science, Psychology**

Misplaced Certainty and Simple Thinking

### **NAHUSHA MADHUSUDAN, Politics, Psychology**

The Effect of Collective Narcissism on Attitudes towards Immigrants

### **YUTONG XIE, Economics, Psychology**

The Role of School Assistance on FAFSA Completion: Who Benefits the Most?

## **Social Concerns in Healthcare**

**Location:** 194 Mercer Street, Room 308

### **Judges:**

Nate Mickelson  
Elayne Oliphant

**LISA ABE**, Neural Science

**SRINIDHI ANANTH**, Psychology

Primary Caregivers' Barriers to Participating in Research

**BRANDON BARNES**, Sociology

Who We Feed: An Analysis of Food Security Organizations in  
Fairfax County, Virginia

**JEREMIAH BONNET**, Sociology

Underrepresented Pre-Medical Student Support Networks

**LOLAYEMI CHARLES**, Global Public Health/Sociology

Black Maternal Health: Beyond The Scope Of Interpersonal Racism

**GIANNA JIRAK**, Global Public Health/Sociology

Exploring the Need for Mandatory Sexual Health and Wellness  
Training Among Second-Year Students

**MASHRUR KHAN**, Sociology

Dose of Skepticism: How People Decide to Get Vaccines

**ESOFI NUNYI**, Global Public Health/Sociology

Experiences of College-Age Students in the Transition from  
Pediatric to Adult Care

## **Spanish and Latin American Literature and Culture**

**Location:** King Juan Carlos Center Auditorium

**Judges:**

Lourdes Dávila

Luis Francia

**EVIE BAIR**, Spanish, Art History

Las Meninas and El Museo Nacional Del Prado: Constructing Spanish National Identity from 1900-1940.

**IVAN BREA**, Politics, Spanish

Divine Mediations: Representations of Religion, Clericalism, and Religious Imagery in Mexican Cinema (1917-2018)

**CARLOS HERNANDEZ**, Photography & Imaging, Social & Cultural Analysis

Perrxs Rares Modernes (Modern Queer Bitchxs): Transing Queer Dominicanity Through A Critique of Queer Alienism

**MATÍAS GALLEGOS RUIZ**, Spanish

Resonances in Medieval Islamic and Jewish mystical and philosophical texts produced in Al Andalus

**KAYLA NAPPI**, Spanish, History

Education and Commodification, Approaches to Spanish Dual Language Learning

## **The Economic Marker: Productivity, Prices, and Profits I**

**Location:** 194 Mercer Street, Room 301

**Judges:**

Gizem Kayar

Julie Lizardo

**LIWEN BIAN**, Economics and Mathematics

**TIANYUN FANG**, Economics, Mathematics

**ANNIE KONG**, Computer Science, Mathematics

**YUXIN MENG**, Economics and Mathematics

Predictive Causational Determinant Analysis on Real Estate Market  
Bubble across US & China

**STUTI SARIA**, Economics, Mathematics

The Role of Workers' Insurance in Economic Efficiency During  
Epidemics

**KYLE WHITT**, Economics and Mathematics

New York City Mobility Index and the Relationship with Economic  
Activity

**SUNNY YANG**, Economics, Data Science

**WILEY WU**, Economics, Data Science

**RACHEL XING**, Computer Science

An Analysis of Stock Forums and their Accuracy

**CHENYE YUAN**, Economics and Mathematics

Understanding Chinese Bond Market: An Empirical Study from the  
Perspective of Buy-side Credit Ratings Relevance.

**JERRY ZHANG**, Economics and Mathematics

The Real Effects of Banking Competition on Manufacturing  
Industries: Evidence from the United States National Banking Era  
(1863-1912)

## **The Economic Marker: Productivity, Prices, and Profits II**

**Location:** 194 Mercer Street, Room 303

**Judges:**

Jean-Claude Franchitti  
Thomas Truxes

**ALI ALSHEHHI**, Computer Science  
Real Estate Price Predictions using Alternative Data Sources

**ANDY FAN**, History, Economics  
Money and Power: The Interrelation between Finance and Politics through the Hongkong and Shanghai Bank's China Loans, 1875-1914

**MATTHEW FOSTER WALSH**, Computer Science  
A Review of Sentiment Analysis Applications in Finance

**JULIA KEMPTON**, Economics and Computer Science  
Trade Spillovers & Counter-Terrorism: How Restrictions on Non-Immigrant Business Visas Affect Trade Flows to the United States from Developing Nations.

**KOKO XU**, Mathematics  
A Deep Dive Into Deep Tech Startups

**ALBERT YAN**, Computer Science, Economics  
**JUSTIN LI**, Economics, Mathematics  
The Application of Machine Learning in Wine Pricing

## **Closing Ceremony**

Hemmerdinger Hall  
1st floor Silber Center, 3PM

### **Welcome**

#### **WENDY SUZUKI**

Seryl Kushner Dean of the College of Arts and Science and  
Professor of Neural Science and Psychology

### **Faculty Lecture**

#### **EUGENIO REFINI**

Associate Professor, Director of Undergraduate Studies  
Department of Italian Studies  
“The Voice in the Text, or How I Got Interested in Reception  
Studies.”

### **Presentation of Awards**

#### **BRENDAN M. SULLIVAN**

Assistant Dean for Students

Best in Posters

Best in Panels



## Appendix of Poster Presentations

The following list indicates the assigned poster group for each poster presenter. All poster presentations take place in Hemmerdinger Hall, Silverstein Lounge, and Heights Lounge.

- Abe, Lisa**, Group 13  
**Abraham, Elizabeth**, Group 2  
**Adeyemi, Tomisin**, Group 8  
**Barrera, Freddy**, Group 20  
**Bhatta, Bardan**, Group 3  
**Bhoja, Arushee**, Group 19  
**Carney, Robert**, Group 16  
**Castillo, Natalia**, Group 12  
**Chang, Justyn**, Group 1  
**Chen, Charlie**, Group 7  
**Chen, Allison**, Group 13  
**Chen, James**, Group 15  
**Cordeiro, Sophia**, Group 17  
**Crowder, Ashley**, Group 19  
**Daly, Teagan**, Group 14  
**Damaraju, Lasya**, Group 6  
**Dender, Anthony**, Group 7  
**Ding, Yiling**, Group 23  
**Duah, Adrian**, Group 5  
**Elizarraras, Carolina**, Group 6  
**Erendzenova, Engel**, Group 13  
**Ezeh, Monique**, Group 20  
**Ezeonu, Samuel**, Group 4  
**Fagniez, Iris**, Group 3  
**Fan, Catherine**, Group 16  
**Fu, Serena**, Group 17  
**Galas, Angie**, Group 16  
**Goetz, Caroline**, Group 23  
**Golechha, Anjali**, Group 17  
**Gollamudi, Aishwarya**, Group 3  
**Goodwin-Groen, Seb**, Group 21  
**Gordon, Aislyn**, Group 17  
**Gross, Jordan**, Group 15  
**Halima, Mehnaz**, Group 2  
**Hashem, Anika Parisa**, Group 1  
**Hekimgil, Selin**, Group 7  
**Hornburg, Claire**, Group 11  
**Hu, Kurt**, Group 1  
**Hu, Daniel**, Group 4  
**Hu, Yibo**, Group 18  
**Huber, Caroline**, Group 8  
**Hughes, Whitney**, Group 19  
**Jacy, Maisha**, Group 2  
**Jean, Ana**, Group 17  
**Jiminian, Valentina**, Group 14  
**Johnson, Lily**, Group 18  
**Juwara, Aminata**, Group 22  
**Kaneria, Aayush**, Group 21  
**Kang, Xueshi**, Group 19  
**Kempson, Eric**, Group 2  
**Khamcha Magar, Yunika**, Group 5  
**Kim, Grayson Lee**, Group 3  
**Kiselev, Kirill**, Group 15  
Kohler, Cassidy, Group 15  
**Korniyenko, Amalia**, Group 24  
**Korolevskaia, Anastasiia**, Group 18  
**Koyi, Bindu**, Group 24  
**Kreitman, Maya**, Group 19  
**Krenteras, Nicoleta**, Group 9  
**Ku, Sean**, Group 11  
**Kuang, Victor**, Group 11  
**Kui, Vivian**, Group 2  
**Kumar, Preethi**, Group 5  
**Lebrun, Mona**, Group 17  
**Lee, Vivian**, Group 12  
**Li, Betty**, Group 2  
**Li, April**, Group 3  
**Li, Sarah**, Group 5  
**Li, Yuelong**, Group 23  
**Liao, Jianan**, Group 9  
**Liu, Peiqi**, Group 7  
**Liu, Ye**, Group 9  
**Liu, Zhiheng**, Group 19  
**Lizarazu, Sara**, Group 17  
**Lozano, Idalys**, Group 6  
**Lu, Emily**, Group 21  
**Luo, Jinhan**, Group 23  
**Ma, Angela**, Group 14  
**Manipon, Charlene**, Group 1  
**Mark, Kirsten**, Group 17  
**McCray, Rachel**, Group 18  
**McDowell, Merritt**, Group 6  
**Meng, Zoey**, Group 20  
**Morales, Christopher**, Group 12  
**Moronta, Nayeli**, Group 5  
**Mota, Andrew**, Group 17  
**Navrange, Nishika**, Group 12  
**Ng, Chris**, Group 2  
**Oltean, Nicolas**, Group 1  
**Osmanovic, Armin**, Group 24  
**Pandolfi, Guinevere**, Group 10  
**Pedroza, Laura**, Group 12  
**Petroff, Katerina**, Group 24  
**Pillai, Midhula**, Group 12  
**Qi, Wu**, Group 23  
**Qian, Yichen**, Group 9  
**Qian, Yichen**, Group 11  
**Qiu, Brenda**, Group 18  
**Qiu, Weiqi**, Group 20  
**Raj, Roshni**, Group 4  
**Ramchandani, Harshita**, Group 24

**Rhodes, Dylan**, Group 15  
**Robinson Campbell, Inti**, Group 10  
**Rowland-Paz, Karlee**, Group 3  
**Sanabria Chaverri, Fabiola**, Group 10  
**Sanchez, Sevastian**, Group 10  
**Schultz, Carson**, Group 3  
**Semega, Niouma**, Group 22  
**Shen, Siyang**, Group 17  
**Shin, Juhee (Joyce)**, Group 6  
**Simprevil, Nadine**, Group 4  
**Simpson, Adelina**, Group 22  
**Sistla, Tanuj**, Group 11  
**Sivertsen, Danie**, Group 6  
**Smith, Hannah Jia Hsing**, Group 15  
**Sogbossi, Emeryc**, Group 5  
**Soliman, Muhammad**, Group 21  
**Somersel, Yvette**, Group 14  
**Sukotjo, Anthony**, Group 22  
**Sun, Yiqiao**, Group 9  
**Sundaram, Pallavi**, Group 6  
**Talusan, Angela**, Group 4  
**Union, Kimberly**, Group 10  
**Urquieta Pinaya, Alejandra**, Group 4  
**Vainrib, Ethan**, Group 10  
**Valencia, Laura**, Group 12  
**Varma, Ishar**, Group 2  
**Vendidandi, Sai**, Group 16  
**Vilnaigre, Bryanna**, Group 12  
**Wang, Tricia**, Group 1  
**Wang, Renee**, Group 9  
**Wang, Sirui**, Group 9  
**Wang, Austin**, Group 16  
**Wangikar, Tanwi**, Group 10  
**Weber, Isabela**, Group 21

**Wei, Andy**, Group 8  
**Witty, Andrew**, Group 24  
**Wong, Karen**, Group 5  
**Wu, Angel**, Group 8  
**Xiang, Laurel**, Group 22  
**Xie, Yuan**, Group 13  
**Xu, Qihang**, Group 9  
**Xu, Bridget**, Group 14  
**Yan, Mengzhe**, Group 9  
**Yu, Yichen**, Group 7  
**Yu, Astra**, Group 13  
**Zeng, Ruoheng**, Group 21  
**Zhang, Ya Shi**, Group 7  
**Zhang, Zihan**, Group 11  
**Zhang, Yuan**, Group 11  
**Zhang, Yuqian**, Group 23  
**Zhao, Jackie**, Group 13  
**Zhao, Zelin**, Group 16  
**Zheng, Hongyi**, Group 8  
**Zhou, Weiyi**, Group 9  
**Zhu, Yixin**, Group 8  
**Zhu, Lisa**, Group 17

## Appendix of Panel Presentations

The following list indicates the assigned panel for each panel presenter. Please refer to the Table of Contents to locate each panel in the Program.

**Abe, Lisa**, Social Concerns in Health Care  
**Ackerman, Hayley Helen Armstead**, Philosophical Thought  
**Akinngbe, Tósin**, Issues in Law Justice and Government I  
**Alshehhi, Ali**, The Economic Marker: Productivity, Prices, and Profits I  
**Ananth, Srinidhi**, Social Concerns in Health Care  
**Anderson, Sarah**, Molecules and Materials  
**Baez, Rafael**, Molecules and Materials  
**Bair, Evie**, Spanish and Latin American Literature and Culture  
**Bakal, Ethan**, Bacteria, Viruses, and Immunity  
**Barnes, Brandon**, Social Concerns in Health Care  
**Behiry, Ahmed**, Genes, Growth, and Development II  
**Bian, Liwen**, The Economic Marker: Productivity, Prices, and Profits  
**Blanks, Zein**, Access to the Arts: Displaying, Preserving, Performing, and Interpreting I  
**Bonnet, Jeremiah**, Social Concerns in Health Care  
**Brea, Ivan**, Spanish and Latin American Literature and Culture  
**Brede, Violet**, Psychology: Human Behavior and Perception II  
**Bruzzese, Adam**, Bacteria, Viruses, and Immunity  
**Califf, Andrew**, Culture and Society I  
**Charles, Lolayemi**, Social Concerns in Health Care  
**Chen, Dustin**, Access to the Arts: Displaying, Preserving, Performing, and Interpreting I  
**Chen, Lisa**, Psychology: Human Behavior and Perception I  
**Chen, Robert**, Mathematics and Modeling in Understanding of the Physical World II

- Cheng, Franklin**, Interpersonal Relationships
- Ching, Anyu**, Culture and Society I
- Chung, Long Ching**, New York City: Longstanding Challenges and Dynamic Change
- Ciervo, Steve**, Neural Science
- Cook, Caroline**, Access to the Arts: Displaying, Preserving, Performing, and Interpreting I
- Cortés, Andrea**, Genes, Growth, and Development II
- Crawford, AJ**, Culture and Society I
- Davydov, Ari**, Bacteria, Viruses, and Immunity
- Dow, Lincoln**, Issues in Law Justice and Government I
- Dupee, Maddy**, Psychology: Human Behavior and Perception II
- Fan, Andy**, The Economic Marker: Productivity, Prices, and Profits I
- Fang, Camila**, Genes, Growth, and Development II
- Fang, Tianyun**, Interpersonal Relationships
- Fang, Tianyun**, The Economic Marker: Productivity, Prices, and Profits
- Feng, Qiurui**, Gender Studies: A Global View II
- Foster Walsh, Matthew**, The Economic Marker: Productivity, Prices, and Profits I
- Fried, Audra**, Culture and Society I
- Gallegos Ruiz, Matías**, Spanish and Latin American Literature and Culture
- Garcia Medina, Carla**, Mathematics and Modeling in Understanding of the Physical World I
- Ghorab, Aurora**, Culture and Society II
- Giner, Luc**, Access to the Arts: Displaying, Preserving, Performing, and Interpreting II
- Green, Sydney**, Gender Studies: A Global View II
- Guan, Jeffrey**, Global Issues Past and Present
- Guda, Anvita**, Psychology: Human Behavior and Perception I
- Gui, Yunlai**, Interpersonal Relationships
- Guo, Hourui**, Gender Studies: A Global View I
- Harlan, Reiss**, New York City: Longstanding Challenges and Dynamic Change
- Hernandez, Carlos**, Spanish and Latin American Literature and Culture
- Hu, Eugene**, Interpersonal Relationships
- Hu, Zeru**, Philosophical Thought
- Huang, Jiayu**, Gender Studies: A Global View I
- Jackson, Hope**, Gender Studies: A Global View I
- Jacobson, Alexis**, Bacteria, Viruses, and Immunity
- Jamshahi, Sebastian**, Genes, Growth, and Development I
- Jano, Kathryn**, Psychology: Human Behavior and Perception I
- Janowski, Jordan**, Molecules and Materials
- Jin, Jenny**, Genes, Growth, and Development I
- Jirak, Gianna**, Social Concerns in Health Care
- Jun, Nellie**, Neural Science
- Kalina Heinrich, Marion**, Issues in Linguistics
- Kaur, Jasmeen**, Global Issues Past and Present
- Kazarian, Diana**, Issues in Linguistics
- Kelemu, Rackeb**, Access to the Arts: Displaying, Preserving, Performing, and Interpreting II
- Kempton, Julia**, The Economic Marker: Productivity, Prices, and Profits I
- Khaledi, Soofia**, Issues in Law, Justice, and Government II
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