44th Undergraduate Research Conference
May 4, 2018

Poster Winners

Aleksandra Artyfikiewicz
Economics, Borough of Manhattan Community College
Food Waste: A Benefit or a Cost for the Borough of Manhattan Community College?

Sam Ayala
Communicative Sciences and Disorders
Does Auditory Acuity Predict Response to Visual-Acoustic Biofeedback?

Cat Bianco
Psychology

Melody Xu
Individualized Study
Development of Flexibility in Tool Use

Rachel Brocklehurst
Politics
Corporate Political Activity and Regulatory Outcomes: The Effect of Political Expenditures on EPA Enforcement Actions

Irene Cho
Biology
Evolution of Neural Types in Drosophila Optic Lobes Using In Situ Hybridization Techniques

Kyu Choi
Psychology
The Effects of Roommate Relationships on Health Motivation and Physical Activity
Ashley Delavega  
Psychology  
Predicting Organizational Skills Training Treatment Outcome

Ruchi Desai  
Global Public Health/Chemistry  
Assessing the Impact of Scientific Evidence in Changing Children’s Attitudes towards Sugary-Sweetened Beverages

Axel Epie  
Biochemistry  
The Study of Helicase Kinetics in Correlation to Lesion Structure and Efficiency of the Nucleotide Excision Repair Pathway

Katherine Furman  
Neural Science  
Behavioral Preference for Pup Ultrasonic Vocalizations in Female Mice

Zeenat Hussain  
Anthropology  
Health Related Quality of Life Indicators in College-Going Women with PCOS: A Cross-Sectional Study

Peter Jin  
Economics, Psychology  
The Effect of Economic Scarcity on Implicit Bias

Heather Little  
Economics, Sociology  
Missed Opportunity: Refinancing Behavior in the United States

Emma Macdonald  
Neural Science  
Characterization of Nucleus Accumbens Interneurons

Maddy McCartin  
Anthropology  
Experimental Analysis of Fox Teeth Ornaments in the Upper Paleolithic
Masoumeh Mohammadkhani
Psychology
Investigating Rodent Reward Prediction Using a Modular Open Source Operant System

Ananditha Raghunath
Computer Science, Mathematics
Exploring Dental Care Affordability on Twitter via Natural Language Processing and Machine Learning

Clara Si
Biochemistry, Classical Civilization
Investigating the Antiviral Potential of Serpins Using Multicycle Replication Assays

Je Yeong Sone
Biochemistry
Single Molecule Array Immunoassay of Tau Protein Phosphorylated at Threonine-231 in Blood Plasma

Sahaana Sundar
Neural Science
Function of Lateral Entorhinal Cortex in Shaping Task-Selective Spatial Representations in Dorsal CA1 of Hippocampus

Cyrus Tam
Biology
Image Reconstruction with B-recs in Localization Microscopy

Tiffany Tang
Chemistry
Fabrication and Guided Motion of Microscale Swimmers

Yun Bin Zhang
Computer Science and Mathematics
Predicting Dynamic Protein and mRNA Expression Profiles with a Simple Rate Equation
Panel Winners

Vishnu Bachani  
Mathematics, Music  
*Latent Possibilities of the Tonal System: The Structure and Historical Usage of Tonality*

Avery McNally Bonner  
Applied Psychology, Gender and Sexuality Studies  
*Getting Bi in the 21st Century: (Mis)Representation, Identity Formation, and Self-Concept of Bisexual People on Screen and IRL*

Breanna Byrd  
Anthropology, Social and Cultural Analysis  
*Aftermath Revisited: The Slum Phenomenon, Postcolonial Urban Initiatives, and Assistance Refusal in Accra*

Venkata Chaluvadi  
Neural Science  
*Sphingosine-1-Phosphate in Lymphoid and Non-Lymphoid Tissue*

Anne Cruz  
Journalism, Politics  
*Welcome to the Hellhole: Stories of Mental Illness and Poverty*

Bryant Curto  
Computer Science, Mathematics  
*Ghosting ASLR: A Spectre Extension*

Ana DiGiovanni  
Psychology  
*The Influence of Social Support on Dietary Behavior and Progress: A Longitudinal Look*

Maria Dimitriu  
Biochemistry  
*Probing the Transport Mechanism of the E. coli Drug Efflux Pump EmrE*

Salah Eldein Elkattawy  
Biochemistry  
*Molecular Mechanism of Feedback Regulation by RNase E*
Gregory Fauerbach  
Economics, Politics  
Opportunity Cost, State Capacity, and the Economic Drivers of Civil Conflict

Mengzhou (Melissa) Fu  
Politics  

Anais Gomez  
Politics  
Voting Behavior and Patterns Post-Shelby County v. Holder

Hannah Louise Grassie  
Psychology  
The Developmental Trajectory of Risk Taking: The Role of Asymmetric Learning Rates

Yara Hamway  
Journalism, Middle Eastern Studies  
Taqsim: Shifting Perceptions of Belly Dancing in Egyptian Culture and Society

Jillian Harper  
Linguistics  
The Development of a Transitive Have: Shughni Possessive Constructions

Filip Klein  
Economics and Mathematics  
Effects of Time of Use and Critical Peak Electricity Pricing on Household Appliance Usage

Sonja Leite  
English and American Literature  
The Cross-Examination of Humbert Humbert: An Analysis of Law, Narrative, and Ethics in Nabokov’s Lolita

Wesley Leong  
Neural Science  
Characterizing the Role of the Cerebellum in Time Perception
Kayla Ying Yan Lim
Neural Science, Psychology
Early Life Abuse Alters GABAergic Synaptic Contacts in the Basolateral Amygdala of Juvenile Rats in a Sexually Dimorphic Manner

Ana Lopes
Global Liberal Studies, Spanish
Decolonizing Junctures: A Comparative Analysis of Institutional Change at the Museum of Modern Art and El Museo de Arte Latinoamericano de Buenos Aires

Lara Manbeck
History
Reclaiming Time and Space: The Utility of Memory in Twentieth Century Vietnam

Madhumitha Manivannan
Psychology
Comparative Effects of Construal-Manipulated Gain-Framed and Loss-Framed Messages on Motivation to Engage in Physical Activity

Harshil Mehta
Politics
Neighborhood Effects on 911 Call Priority in Baltimore, MD

Milad Mohammadi
History, Politics
The Liberal Tradition: Native American Liberalism and the Late British Enlightenment

Jack Burling Nebe
Philosophy, Politics
What Is Owed: A Closer Look at Herero/Nama Reparation Claims in Namibia

Xan Richard Northcott
Politics
Why Elections Fail: Exploring the Limitations of Election Monitoring and Democracy Promotion

Julia Paranyuk
Politics
Effect of Police Stops on Graduation Rates in NYC: A Differences in Differences Analysis
Parth Patel  
Anthropology  
Navigators of Mental Healthcare: Remaking of Peer Specialists in Harlem’s Community Clinics

Tazmin Rahman  
Psychology  
Preferences for Primate Faces in Infancy

Maritza Rico  
Latin American Studies  
Feminismos en la Frontera

Anna Ruiz  
Politics  
The Effect of Targeted Regulations on Abortion Providers (TRAP) Laws on Public Opinion towards Abortion

Chappel Sharrock  
Chemistry/Chemical and Biomolecular Engineering  
Depolarized Light Scattering from a PS-PEO Diblock Copolymer Using Elliptically Polarized Light

Michelle Shi  
Biology  
Genetic Screen to Identify Novel Mutations in the Meiotic Recombination Pathway

Ellie Simmons  
English and American Literature  
The Post-Colonial Ecology of Elizabeth Bowen’s The Last September and A World of Love

Janve Sobers  
Politics  
How High-Income Communities Receive More Effective and Efficient Service from Municipally Managed Public Services: Evidence from New York City 311 Call Data

Semran Thamer  
Global Public Health/Chemistry

Ryan Lamrani  
Global Public Health/Chemistry  
Supplemental Nutrition Assistance Program (SNAP) Participation and Metabolic Syndrome
Mathilde Van Tulder
Global Liberal Studies, Urban Design and Architecture Studies
From Conflict Zones to Contact Zones: 21st Century Built Heritage in Mostar and Berlin

Simone Vantaylor
Psychology
Group Identification and the Role of Neural Synchrony in Collective Performance

Betty Wang
Politics, Spanish
Tracing Prevalence and Policies: A Study on Human Trafficking

Virginia Zhang
Economics, Sociology
To Stay or Migrate? Preferences and Occupational Choice in China’s Rural Ethnic Tourism Industry

Matt Zhao
Chemistry
Self-Assembling 3D DNA Lattices for the Organization of Guest Molecule

Olga Zhurakivska
Neural Science
Perceptual Decision-Making in Individuals with Amblyopia