



NYU

**COLLEGE OF
ARTS & SCIENCE**

43rd Undergraduate Research Conference

May 5, 2017

Poster Winners

Zahin Ahmed

Neural Science

Hannah Borenstein

Art History, Psychology

Falling In Infant Walking: How Does Practice Make Perfect?

Julia Chesler

English and American Literature

The Effect of Early-Life Intestinal Microbiota Alteration on DNA

Methylation in C57BL/6 Mice

Angela Dauti

Global Public Health/Chemistry

Improvements in Clinical Trials Information Will Improve the

Reproductive Health and Fertility of Cancer Patients

James Ding

Biochemistry

Creating Gated Cascades for Nested Conditionals Using DNA Strand

Displacement

Rose Egan

Music, Psychology

Sinclair O'Grady

Psychology

Off the Beaten Path: How the Environment Affects Infant Exploratory

Behavior

Chaimaa Fadil

Biology

Profiling of Drosophila melanogaster Adult Optic Lobe Neurons Using Single-Cell Analysis

Sara Fernandes

Psychology

Effects of Restrictive Childrearing Practices on Motor Development

Camille Gasser

Psychology

Predicting Memory Formation from EEG Signals Emitted During Study

Anushae Hassan

Economics

Stock Market and the Economy

Elizabeth He

Economics, Psychology

Socioeconomic Class and Perspective Taking

Sidharth Jain

Biology

Identifying Developmental Markers in the Root Tip of Arabidopsis thaliana

Sameer Khan

Biochemistry

Studying the Mechanism of Fluorescence Quenching in Diels Alder Cycloadditions

Julia Lucas

Anthropology

Indigenous Relationships and Repatriation at American Museums in a Post-NAGPRA Context

Elad Mashiach

Neural Science

Exome Sequencing Reveals Activation of STAT3 Signaling Pathway in non-VHL Hemangioblastomas

Sacha McElligott

Neural Science

Secernin-1 is a Novel Protein Found in the Pathological Hallmarks of Alzheimer's Disease

April Mueller

Biochemistry

Zinc Finger-DNA Binding Analysis Under Geometrical Change

Mollyrose Napolitano

Psychology

Integrated Family Intervention for Child Problem Behaviors in Toddlers

Jasmine Pan

East Asian Studies, Psychology

Saccade Preparation Automatically Enhances High Spatial Frequency Information

Catherine Pratt

Global Public Health/Prehealth

Characterization and In Vivo Evaluation of Oncogenic G12C Mutant K-Ras Covalent Inhibitors

Julia Ramadhar

Biology

Characterization of the Autism Spectrum Disorder-Associated Isoleucine to Valine Mutation in Human Eukaryotic Initiation Factor 2

Clara Si

Biochemistry, Classical Civilization

Investigating the Antiviral Potential of Serpins by Means of a High-Throughput Microscopy Screen

Halley Young

Computer Science

Algorithmic Modeling and Generation of Music

Sijin Zheng

Biochemistry

Towards an NMR Solution Structure of the C-terminal Peptide from Fibroblast Growth Factor 23

Panel Winners

Grace Albright

German

Traditional Chickpeas and Trendy Chia Seeds: Surveying the Cohabitation of Berlin Neukölln's Arab and "Hipster" Populations with a Focus on Food Culture

Louisa Bahet

*Comparative Literature
Ontology of Existential Risk*

Viktoriya Berdan

Chemistry

Validation of a Novel Computational Program through the Synthesis of Peptide Inhibitors for a Difficult-to-Target Protein-Protein Interaction

Lauren Blackburn

Physics

Nikitas Kanellakopoulos

Physics

Long-Range Projection of Holographic Tractor Beams

Sally Buttar

Biology

Roles of Individual Bacillus subtilis Crust Morphogenetic Proteins in Spore Dispersal and Survival

Chloe Chan

Psychology

Swipe Left on Disease: Sexual Decision-Making in a Dating App Era

Jeremy Cheung

Economics, Politics

Aaron Reuben

Politics, Public Policy

William Wang

Politics, Public Policy

Tiffany Wong

Business, Public Policy

Building with Law: Zoning Changes to Promote the Development of Accessory Dwelling Units

Andrea Cumpelik

Neural Science

*Cocaine Place Conditioning Strengthens Location-Specific Hippocampal
Inputs to the Nucleus Accumbens*

Samantha Cunningham

Sociology

*Fund My Recovery: A Mixed Methods Analysis of Medical Crowdfunding
Campaigns in US and Canada*

Dominic Curran

English and American Literature, Journalism
Preventing Counterfeit Culture in Furniture Design

Alexandra Dahlberg

Environmental Studies

*Narratives of a Movement: Media Portrayals of the Dakota Access
Pipeline Resistance as an Environmental and Indigenous Movement*

Catherine Dammer-Jones

Environmental Studies

*Ambiguity and Control of Sustainability Concepts in Food Retail's
Sustainability Communications*

Ana DiGiovanni

Psychology

Effects of Social Support of Dietary Motivation, Perception, and Success

Rebecca Elbogen

Psychology

*Faced with Faces: Are Infants at Low and High Risk for Autism Spectrum
Disorder Differentially Aroused by Primate Faces?*

Amanda Evans

Latin/Greek

*The Annual Festival of Apollo Delphinios: An Affirmation of Milesian
Identity*

Abraham Gross

Journalism, Politics

*Supervised Injection in Vancouver: The Changing Nature of Drugs and
Drug Policy in Canada and the US*

Tom Hindmarsh Sten

Neural Science

Dissociating Task Knowledge from Performance During Associative Learning

Walter Hutcheson

Biology

Restoration in an Urban Environment: Modeling Growth and Survival of Oysters in the Hudson River Estuary

Clara Katz-Andrade

Linguistics

The Predictability of Brazilian Portuguese Stress and Its Sociolinguistic Implications

Jin Ho (Jodie) Kim

Politics

Deconstructing the Gender Wage Gap in the United States: A Survey Experiment

Lauren Kirk

Comparative Literature, History

1229 after 1968: Intellectual Labor and the Reimagining of the Medieval University

Krishna Kulkarni

History, Middle Eastern and Islamic Studies Visual Culture as Propaganda in Post-'Abbasid West Asia, 900-1500

Rachel Lipka

Art History

Evolution of the Bra

Duan Liu

Economics, History

The Ignored Power: Sibling Effects Under China's "One-Child" Policy

Igor Maksimovic

Chemistry

Synthesis and Evaluation of Triazolamer-Based Scaffolds as Secondary Structure Mimics

Jean-Luc Marsh

International Relations

*Let There Be Light: A Geographic Information System (GIS) Analysis
Examining the Mechanisms Behind Patronage Politics in India*

Vaclav Masek

Global Liberal Studies, Sociology, Spanish

*¿Firme y Duradera? The Peace Process and the Transitional Justice
System in Guatemala*

Gaurika Mehta

Religious Studies, South Asian Studies

*Sacrificed Wife, Obedient Mare, Divine Mother: Performing Gender and
Ritual in Ramākānt's Rānī Satī Carit Manas*

Andreyka Natalegawa

Politics

*Trading in Fear: A Quantitative Analysis of Attitudes towards Foreign
Trade and Implicit Racial Bias*

Mary-Brett O'Bryan

Art History

*Japonismus and Jugendstil: Japanese Influence on the German Art
Nouveau*

Emina Osmandzиковic

Political Science (NYU Abu Dhabi)

*One Step Before the Refugee Crisis: Immigrants' Integration Experience
in Seven EU Countries*

Xiaoli Pan

Art History

Medieval Pietàs: From Compassion to Remission

Yiman Ren

Visiting Student

Entry, Exit, and Technology Adoption with Network Externality

Nikita Roach

Politics

*From Bullet to Ballot: The Effect of a Candidate's Veteran Status on
Electoral Success: An Instrumental Variable Analysis*

Jaclyn Shultz

Comparative Literature, Media, Culture and Communication
Vigor Mortis: The Performance of Gendered Death in Der Untergang

Gabriela Tama

Cinema Studies, Journalism
Preserving the Future's Past: The Conservation of Time-Based Media Art in a Digital Age

Robert Taylor Jr.

Gender and Sexuality Studies, History
Authentic and Resilient Leaders: Supporting Queer and Trans Black Men in Leadership

Christopher Torres

Biology
Unique Neural Precursors in the Drosophila Brain Divide Symmetrically to Generate Two Identical Neurons

Emiliana Tupper Carabaño

Environmental Studies
Modeling the Effects of Ocean Acidification and Rise in Sea Surface Temperature on Coral Reefs in Panama

Meryl Warshafsky

Biology
Shedding Light on Embryonic Development: The Role of Zelda in Activating the Genome

Lawrence Wu

Social and Cultural Analysis
Where is Home?: The Changes of Chinatown Through First Generation Voices

Hanna Yang

Computer Science
Artist Archives: Knowledge Base Implementation