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

Sinclaire 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 Osmandzikovic
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