



**Congratulations to the Biannual Honors and Emerging Undergraduate Research Scholars
Poster Session Winners**

Fall 2019 Poster Presentation Winners

Group (STEM and non-STEM)

1st place:

Part I: Comparative Analysis between Natural and Ceramic Teeth

Ibeth Erazo and Aneeza Hussain

Professor Daniel Alter

2nd place:

Implications of local weather on heat transfer rates by infiltration

Anthony Rivera and Kyunmin Park

Professor Daeho Kang

Non-STEM

1st place:

Letterforms as Visual Communication Elements

Tatiana Ribeiro

Professor David Lucas

2nd place:

A Current Interpretation of Robert Frank's 1950s New York

Anna Crull

Professor Anita Giraldo

STEM

1st place:

Hardware Implementations of Assistive Technology Robot

Joycephine Li

Professor Farrukh Zia

2nd place:

Creation in Art, Architecture, and Geometry Wrapped in Origami

Oliver Hadi

Professors Anne Leohardt and Satyanand Singh

**Poster Presentation Winners
Spring 2019**

Non-STEM

1st Place

The Impact of Peer-Led Workshops in an Intermediate Algebra Course for Women, Minorities,
& First-Generation College Students

Malika Ikramova

Prof. Janet Liou-Mark

2nd Place

Exploration of the Lessons Learned by Students Attending Peer-led Workshops

Fahmida Akhter

Profs. Nadia Kennedy & Armando Cosme

STEM

1st Place

Genetic Diversity of Local Canines Assessed by Derived Cleaved Amplified Polymorphic
Sequences

Nicole Benmoshe

Prof. Jeremy Seto

2nd Place

Titanium Dioxide Sensitized with Porphyrin Dye as a Photocatalyst for the Degradation of Water
Pollutants

Kevin Reyes

Prof. Ivana Jovanovic

Group

1st Place

The Dionysus Project: Classifying & Monitoring Vineyards with Satellite Remote Sensing &
Image Analysis

Evelin Perez-Flores & Nicole Flores

Profs. Aaron Davitt, Kyle McDonald, Dione Juston & Rachel Zinberg

2nd Place

Kinetic Study of Amine Cured Epoxy Resins

Xiaona Zhou & Xiaolan Wu

Profs. Diana Samaroo, Urmi Ghosh-Dastidar, & Swati Neogi

**Poster Presentation Winners
Fall 2018**

Non-STEM

1st Place

Making Connections, Developing Learning Resources for Students in Dining Room Operations
Bannesa Espinal Cruz
Prof. Karen Goodlad
HMGT 2305: Dining Room Operations

2nd Place

The Representation of Asian Americans in Hollywood
Michelle Li
Prof. Juanita But
ENG 2250: Introduction to Asian American Literature & Culture

STEM

1st Place

Examining the Effect of Oxidative Stress on Tetrahymena Thermophila Sirtuin Member,
THERM_00194149
Emmanuel Dubuisson
Prof. Alcendor

2nd Place

Analysis of Chickenpox, Influenza and Other Disease Instances Over Time
Parth Patel
Prof. Johann Thiel
MAT 2440: Data Structures and Algorithms

Group Projects

1st Place

Analysis of Urban Surface Temperature Using Satellite Remote Sensing and Ground-Based applications
Makini Valentine and Justine Ginchereau
Profs, Hamid Norouzi, Christopher Beale, and Mr. Abdou Bah

2nd Place

Research on Optimization of Faculty Office Hours
Barbacar, Dieng, Edgar Gomez, Andre Rodriguez
Prof. Pamela Brown

**Poster Presentation Winners
Spring 2018**

Group Projects

1st Place

Modeling and Predicting Future Stock Prices Using Stock Options

Xuebin Zou, Julio Salazar, Jiehao Huang, and Kevin Mei

Prof. Caner Koca

2nd Place

Solar and Rain Catching Canopy. Urban Oasis

Elena Zimareva, Afolabi Ibitoye, Lanston Clarke, and Evan Banks

Prof. Alexander Aptekar

Non STEM

1st Place

Exploring the Essence of Contemporary Desserts to Reimagine and Create a Modern Dessert

Amy Lin

Prof. Robert Walljasper

2nd Place

Real Estate Development in Brooklyn Heights Before and After the Brooklyn Bridge

Anne Jean

Prof. Monica Berger, Barbara Mishara, and Alexander Aptekar

STEM

1st Place

Global Food Security Parameter Studies Using Satellite Remote Sensing

Timothy Medina

Prof. Tearendra Lakhankar

2nd Place

Gut Microbiome Analyses of Lone Star, Black-Legged and Dog Ticks

William Bennett

Prof. Jeremy Seto

**Poster Presentation Winners
Fall 2017**

Non-STEM

1st Place

An Analysis of Factors Affecting Emotional Regulation and Vagal Tone in an Expressive Writing Paradigm

Kevin Mei

Prof. Jean Hillstrom

2nd Place

The Connection Between Environmental Toxicology and Water Quality on Poor Communities

Jean-Hus Theodore

Prof. Aida Euges

STEM

1st Place

Using Multiple Metrics to Analyze Trends and Sensitivity of Climate Variability in New York City

Jiehao Huang

Prof. Johnny Booth

2nd Place

In Silico Study of Newly Synthesized Opioid Analgesics Bound to Three Opioid Receptors

Abdullah Allaoa

Prof. Mai Zahran

Group

1st Place

Measurement of Airflows Through Entrance Doors

Jelani Barro, Lev Chesnov, Haoxiang Cui, and Demba Diop

Prof. Daeho Kang

2nd Place

Gabriela Martinez and Yuying Xian

Prof. Jihun Kim

Urban Microclimate Analysis

**Honors and Undergraduate Research Scholars Poster Presentation
Spring 2017 Winners**

Non-STEM Projects

1st Place:

The Forgotten Monument: Brooklyn Korean War Veterans Plaza
Kameisa Richards
Prof. Michael Duddy

2nd Place:

Luxury Advertising: Gender Portrayal, Sexual Objectification, and Brand Loyalty
Alyssa Roces
Prof. Alyssa Dana Adomaitis

STEM Projects

1st Place:

Measurements of Aerosol and Cloud Layers Using a Multi-Wavelength Elastic-Raman Lidar
Anjeza Arapi

2nd Place:

Modeling the Interaction of Multi-Target Compounds with the BACE 1 Enzyme: Implications in the Treatment of Alzheimer's Disease
Coreen Cooper
Prof. Mai Zahran & Alberto Martinez

Group Projects

1st Place:

Weather You Like It or Not – What a Greenhouse Catastrophe
Ana Arellano, Joel Chapman, Mukadder Cinar, and Joel Kurian

2nd Place:

Assessment of the Heat Island Effect Using Remote Sensing
Kevin Geronimo, Caylan Groome, Christian Lopez
Prof. Masato Nakamura

**Poster Winners
Fall 2016**

STEM

1st Place

Spectroscopic Studies on the Interaction of Porphyrin, Chlorin, Isobacteriochlorin with Human Serum Albumin

Alexandra DePasquale

Prof. Diana Samaroo

2nd Place

Evaluation of Differences Among Near-surface Air Temperature, Land Surface Temperature and Soil Temperature Using Remote Sensing and Ground-based Observations

Farjana Shati

Dr. Satya Prakash and Dr. Hamid Norouzi

Non-STEM

1st Place

Development of the Peer-Led Team Learning Handbook

Carlos Alvarez

Prof. Janet Liou-Mark

2nd Place

Food and Wine Pairing in Classroom Setting in Comparison to a Professional Restaurant Wine Menu and Service

Malika Ikramova

Prof. Rosa Abreu & John Richard Akana

HMG2 2305: Dining Room Operation

Group

1st Place

Modeling the Effect of a Mutation on The Structure of GPCR6

Johnny Guevara, Josue Kersaint

Prof. Mai Zahran

BIO 3356: Molecular Modeling in Biology

2nd Place

Climate Change Research Team

Reduction of CO₂ Emissions and Energy Consumption by Building Re-Tuning

Antonio Amato, Jason Benjamin, Leonardo Castillo, Samuel Guzman, Christian Lopez, Deryan Santana, Bergil St. Juste

Prof. Reginald Blake

Spring 2016 Poster Presentation Winners

STEM

1st Place

Global Drought and Land-Cover/Land-Use Change Studies Using Satellite Microwave Observations

Yanna Chen

Prof. Hamidreza Norouzi, Satya Prakash, Amir Aghakouchak, Reginald Blake, Megha Bhambri

2nd Place

Comparing SDSS Spectral Quantities and their Inclination Dependence

Roberto Serrano

Prof. Ariyeh Maller

Non- STEM

1st Place

Intersections of Identifying Features in Medical Practice: Measurement, Outcomes, and the Role of Feminist Identity

Kimberly-Ann Basdeo

Prof. Amanda Almond

2nd Place

Peer-Led Team Learning in an Intermediate Algebra and Trigonometry Course: Examining the Effects of Gender and Workshop Participation

Farjana Shati

Prof. Janet Liou-Mark

Group

1st Place

Advanced Design and Fabrication of Custom Prosthetics

Rachid Moumni, Jiamian Zhao, Harold Barreto and Muhammad Ameen

Prof. Gaffar Gailani

2nd Place

Molecular characterization of black corals (antipatharians) from the Flower Garden Banks National Marine Sanctuary (NW Gulf of Mexico)

Nicole Bellaflores-Mejia, Craig Dawes, Colin Joseph, Sheila Moaleman, Juanita Marin, and Lysna Paul

Prof. Ralph Alcendor, Mercer Brugler, Tatiana Voza

Fall 2015 Poster Presentation Winners

STEM

1st Place

Copper Binding Properties of Multi-target Compounds

Sarah Hambleton

Prof. Alberto Martinez

2nd Place

Using Next Generation Sequencing Technology to Elucidate Microorganisms

Fabiola Fontaine

Prof. Jeremy Seto

NON-STEM

1st Place

How can the Peer Leader increase students' deep learning in a Mathematics Workshop?

Joshua Grillasca

Dr. A.E. Dreyfuss

2nd Place

How can semiotic mediation support students' learning in a Mathematics Workshop?

Sarah Conyers

Dr. A.E. Dreyfuss

GROUP PROJECT

1st Place

The Role of Sirtuins in *T. Thermophila*

Victor Adedara and Faaez Nafiu

Prof. Ralph Alcendor

2nd Place

Geophysical Applications of LIDAR Systems

Kleber Perez and Kennedy Samarakody

Prof. Viviana Vladutescu

Spring 2015 Poster Presentation Winners

STEM

1st Place

Developing a Protein Interaction Network from Mouse Forebrain Samples Following Infection by Toxoplasma Gondii

Emmanuel Coulanges

Prof. Jeremy Seto

2nd Place

Characterization of Staphylococci from Built Environment

Rimsha Azhar

Prof. Davida Smyth

NON-STEM

1st Place

Public Housing Envelope Restoration

Amanda Hayley Abrew and Claudia Tupayachi

Prof. Sean O'Brien

2nd Place

Motivation in Microbiology: How Can Peer Led Team Learning Help with Student Motivation

Faizan Khalid Malik

Prof. Davida Smyth

GROUP PROJECT

1st Place

Molecular Characterization of Deep-Sea "Anemones" from the Arctic

Craig Dawes and Omnia Hassan

Prof. Mercer R. Brugler

2nd Place

Study and Analysis of Waterborne Pathogen Transmission

Thierno Diallo and Olivia Hylton

Prof. Urmi Ghosh-Dastidar

**Honors, Emerging and Research Scholars
Fall 2014 Poster Winners**

Group STEM

1st Place

How does Temperature Affect the Conductivity of Brooklyn's East River Water?

Victor O. Adedara, Curtis Appiah and Edrouine Gabriel

Prof. Diana Samaroo

(CHEM 1210 Honors)

2nd Place

Graph Theory and Brain Connectivity

Alexander Berger and Thierno Diallo

Prof. Urmi Ghosh-Dastidar

(Emerging Scholars)

STEM

1st Place

Synthesis of a Fully Oxygenated Model of the ABC Ring of the Angucycline Antibiotics

Matthew Henning

Prof. Tony E. Nicolas

(Emerging Scholars)

2nd Place

Spectral Analysis of Water Soluble Tetra-Methylpyridinium Porphyrin [TMPyP] and Copper (II) Phthalocyanine-tetrasulfonic Acid [CuPc-(SO₄)₄] with Albumin

Andrew Wills

Prof. Diana Samaroo

(LSAMP)

Non STEM

1st Place

Machine Form Future's Building Designs

Abdelsalam Mali

Prof. Loukia Tsa Foulia

ARCH 1230: Building Technology II

(Honors Scholars)

2nd Place

Transition to College: Why do incoming freshmen not attend a free summer bridge program?

Ricky Santana

Prof. A.E. Dreyfuss

(Special Projects)

Non STEM Group

4-way tie for 2nd Place:

Team and Community Outreach [DURA Solar Decathlon 2015]

MuJun Chen , Hadiza Djibring , Alisa Kalegina, Chantal Manning
Prof. Alexander Aptekar

Design Development and Materials [DURA Solar Decathlon 2015]

Dominique Graci, Redon Rexha
Prof. Alexander Aptekar

Structural Modules Transport & Connections [DURA Solar Decathlon 2015]

Roger Brian Mason, Margarita Salas
Prof. Alexander Aptekar

Exterior Development [DURA Solar Decathlon 2015]

Farhana Rahman, Alondra Ramos, Nwaram-Billi H. Ugbode
Prof. Alexander Aptekar