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 GeometryWrapped 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
Profs. 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
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
Profs. Rosa Abreu & John Richard Akana
HMGT 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
Profs. 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 Eludicate 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 Toxolasma 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. Urmii 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