
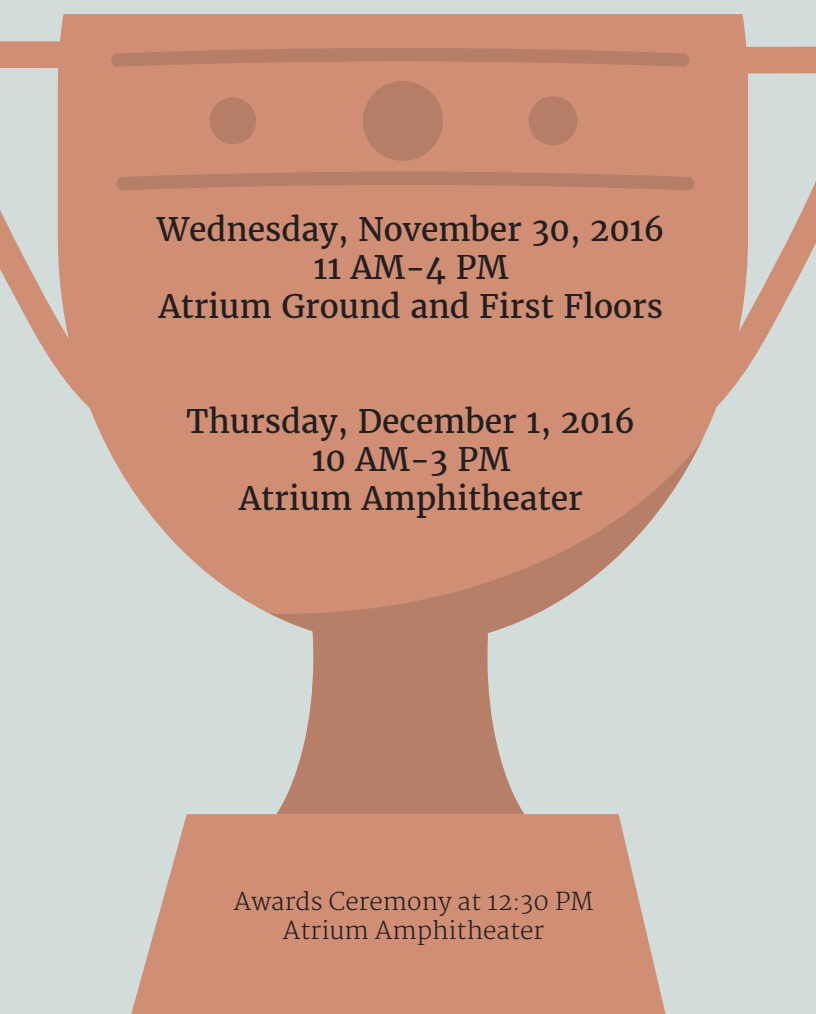



The 25th

Semi-Annual
Poster Presentation



**The Honors &
Research Scholars
Poster Presentation**



Wednesday, November 30, 2016
11 AM-4 PM
Atrium Ground and First Floors

Thursday, December 1, 2016
10 AM-3 PM
Atrium Amphitheater

Awards Ceremony at 12:30 PM
Atrium Amphitheater

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Grant-Funded Projects	20
Special Projects	27

Awards Ceremony



December 1, 2016
Atrium Amphitheater
12:55 PM

Greetings

Russell K. Hotzler
President

Bonne August
Provost and Vice President for Academic Affairs

Pamela Brown
Associate Provost

Summer Research Programs

CUNY Summer Undergraduate
Research Program (CSURP)
Rimi Dhar

Cary Institute Research Experiences
for Undergraduates
Aude Lochet

Louis Stokes Alliances for
Minority Participation (LSAMP)
Marvin Bennett

National Science Foundation
Research Experiences for Undergraduates
(NSF REU)
National Science Foundation
IUSE Geoscience Internship
Laura Yuen-Lau

Recognition of Undergraduate Researchers

Honors Scholars

Laura Yuen-Lau

CUNY Research Scholars

Hamidreza Norouzi

Emerging Scholars

Hamidreza Norouzi

LSAMP Scholars

Marvin Bennett

Grant-Funded Projects

Laura Yuen-Lau

Special Projects

Hamidreza Norouzi

Best Poster Awards

Mercer Brugler

Assistant Professor, Department of Biological Sciences



Honors Scholars Program Orientation
September 1, 2016

Honors in a Regular Course



Cytokine Influence on Neurodevelopment

Serifat Adebola

Prof. Jeremy Seto

BIO 3620: Molecular and Cell Biology

The Role of Sirtuins in
Tetrahymena Thermophila

Victor Adedara

Prof. Isaac Barjis

BIO 3526: Pathophysiology

The Importance of Alkalinity in the
Human Body

Jenan Al-Keswani

Prof. Niloufar Haque

BIO 2311L: Human Anatomy and Physiology I Lab

Barcoding and Sequencing of DNA
Extracted from the Scales of Phataginus
Tricuspis for Use in Forensics of Wildlife
Trafficked in International Trade

Abdullah Allaoa

Profs. Olufemi Sodeinde &

Eugenia Giannopoulou

BIO 3352: Bioinformatics II

The History of Dentistry

Huda Alsaïdi

Prof. Anthony Sena

RESD 1107: Introduction to Non-Metallic Dental Materials

CAD/CAM Open Source vs. Closed Source

Huda Alsaïdi

Prof. Daniel Alter

RESD 2324: Computer Aided Design/Manufacturing
(CAD/CAM) in Dentistry

Alzheimer's Disease and
Related Disorders

Ilhom Bakiyev

Prof. Niloufar Haque

BIO 2311L: Human Anatomy and Physiology I Lab

Corporate Ethical Conduct

Dushawn Butler

Prof. Charles Halpern

MKT 2327: Entrepreneurship

Corporate Social Responsibility

Dushawn Butler

Prof. John Dello Russo

BUS 2425: Business Management

Innovative CAD/CAM Materials Used to Integrate Dental Implants into the Periodontium

Valerie Co

Prof. Daniel Alter

RESD 2324: Computer Aided Design/Manufacturing
(CAD/CAM) in Dentistry

Neurological Disease and Related Disorders

Calisha Francis

Prof. Niloufar Haque

BIO 2311: Human Anatomy and Physiology I

Modeling the Effect of a Mutation on The Structure of GPCR6

Johnny Guevara

Prof. Mai Zahran

BIO 3356: Molecular Modeling in Biology

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

HMGD 2305: Dining Room Operation

Species Delineation within the Black Coral Genus *Tanacetipathes*

Sheila Moaleman

Prof. Armando Solis

BIO 3350: Bioinformatics



NYC Department of Environmental Protection:
Newtown Creek Treatment Plant Tour and Nature Walk
September 23, 2016



Exploring the Pollard's Algorithm

Josiel Nunez

Prof. Ariane Masuda

MAT 3021: Number Theory

Measuring Natural Energy with Environmental Sensor Data

Wes Oler

Prof. Heidi Boisvert

MTEC 2250: Tangible Media

Interactive R Application for Handling UCSC Genome Browser Tracks

Chris Pang

Prof. Eugenia Giannopoulou

BIO 3352: Bioinformatics II

Building A DIY Water Quality Monitor

Christian Pizarro

Prof. Charles Hamilton

EMT 2390L: Operating Systems Lab

The War on Drugs: The Conflict Perspective

Alexandra Sarria

Prof. Gale P. Elston

SOC 2403: Law and Society

Exploring the Pollard's Algorithm

Farjana Shati

Prof. Ariane Masuda

MAT 3021: Number Theory

Transistor Circuit for True Random Number Generator

Justin Wong

Prof. Aparicio Carranza

CET 4960: Applied Digital Technology



Cultivating Fine Dining Etiquette

Prof. Karen Goodlad

October 25, 2016

CUNY Research Scholars



Examining the Effect of Oxidative Stress
on Tetrahymena Thermophila Sirtuins

Emmanuel Adebola

Prof. Ralph Alcendor

Transmit Data with
ZIGBEE/XBEE Wireless Protocol

Rachel Alexander

Prof. Xinzhou Wei

Bose-Einstein Condensation and
Superfluidity of Photons in a Microcavity

Mohammed Ruhel Alif

Prof. Oleg Berman

Site Analysis-Case Studies

Cory Breegle

Profs. Lia Dikigoropoulou & Jill Bouratoglou

PEGDA-based Scaffold Design and
Fabrication for the Drug Delivery Tests

David Cameron

Prof. Ozlem Yasar

Moral Reasoning in Nursing:
How Best to Address Leaders

Raven Campbell

Prof. Aida Egues

Endocrine Disrupting Chemicals and its
Effect on Reproductive and Mental Health

Trevor Caraballo

Prof. Sanjoy Chakraborty

Significance of Entrance Door Infiltration
to Building Environment

Lev Chesnov

Prof. Daeho Kang

Roboqueen

Aryuna Dashidorzhina

Prof. Farrukh Zia

Design of a
Cell Phone Charging Exercise Bike

Utsab Dasrao

Prof. Angran Xiao



Cultural Competence and Awareness
Amongst Undergraduate Healthcare

Natalia Dembowska

Prof. Zoya Vinokur

MoDAR (Mobility Detection and
Auto Recognizing) Robot

Fatime Zahra El Fatimi

Prof. Andy S. Zhang

Design of an Alternative 911 Mobile
Communication System Concept

Wei Jie Gao

Prof. Daniel Wong

Designing Bowling Ball with Concrete

Bryan Hoy

Prof. Navid Allahverdi

Design of an Alternative 911 Mobile
Communication System Concept

Wen Yong Huang

Prof. Daniel Wong

MoDAR (Mobility Detection and
Auto Recognizing) Robot

Felicia Jeter

Prof. Andy S. Zhang

Structural Response of Fiber Reinforced,
High Performance Concrete Under
Elevated Temperatures

Stanimir Karamihaylov

Prof. Navid Allahverdi

Drug Delivery Tests for
PDMS-based Scaffolds

Maria Medina

Prof. Ozlem Yasar

Race Springs

Timothy Medina

Prof. Gerarda Shields

A Methodology of Optimizing Abstraction
in Anatomy and Physiology Infograms-
Abbreviations and Acronyms

Rachel Ofer

Prof. Vasily Kolchenko

Histological Analysis of Differentiation in
PC12 Neuroblastoma

Tiffany Ramkisun

Prof. Jeremy Seto

Telecommunications Engineering:
“Building a Security Scheme in XBee
Wireless Sensor Network”

Amelia Ramnauth

Prof. Xinzhou Wei

Application of High Performance Concrete
in Structural Design

Brandow Rojas

Prof. Navid Allahverdi

Design of a
Cell Phone Charging Exercise Bike

Christo Sam

Prof. Angran Xiao

Scaffold Fabrication for
Cell Viability Analysis

William Santiago

Prof. Ozlem Yasar

Selection of Materials and
Techniques for Construction Under
Extreme Heat Conditions

Harold Saquicela

Prof. Anne Sowder

Significance of Entrance Door Infiltration
to Building Environment

Javonne Senior

Prof. Daeho Kang

Cultural Competence and
Awareness Amongst Undergraduate
Healthcare Students

Jerry Strklja

Profs. Zoya Vinokur & Elaine Leinung

Drug Delivery Tests for the
PDMS-based Scaffolds

Navid Taherzadeh Samani

Prof. Ozlem Yasar

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

Christina Taitt

Prof. Jean Hillstrom

Design of an Alternative 911 Mobile
Communication System Concept

Brian Esteel Taveras Diaz

Prof. Daniel Wong

Open Source Implementation of
Cyber Physical Systems

Mellissa Valle

Prof. Farrukh Zia



Emerging Scholars



Adaptive and Autonomous
Tensegrity System

Starky Acevedo

Prof. Phillip Anzalone

The Role of Sirtuins in T. Thermophila

Victor Adedara

Prof. Ralph Alcendor

Barcoding and Sequencing of
DNA Extracted from the Scales of
Phataginus Tricuspis for Use in Forensics of
Wildlife Trafficked in International Trade

Abdullah Allaoa

Prof. Olufemi Sodeinde

Development of the
Peer-Led Team Learning Handbook

Carlos Alvarez

Prof. Janet Liou-Mark

The Role of Sirtuins in T. Thermophila

Jean-Luc Antoine

Prof. Ralph Alcendor

Adaptive and Autonomous
Tensegrity System

Alyssa Ayow

Prof. Phillip Anzalone

Discovering Mechatronics by Connecting
the Software and the Hardware Together

Atif Bacchus

Prof. Muhammad Ali Ummay

Alzheimer's Disease and Related Disorders

Ilhom Bakiyev

Prof. Niloufar Haque

Computer Vision on the Web: Transition.js

Ahmadou Barry

Prof. Marcos Pinto

High Throughput Fluorescence Microscopy
of Differentiating Neurons Infected with
Toxoplasma Gondii

William Bennett

Prof. Jeremy Seto

What are the Economic and Environmental Costs of Improper Disposal of Cigarette Butts on Local NYC Beaches?

Christian Bermeo

Prof. Sean McDonald

Honors Scholars Newsletter

Savannah Blodgett

Prof. Tamrah Cunningham

Elevator Staging System for Maskless Photolithography

Chad Boodoo

Prof. Ozlem Yasar

User-Centered Design for Multimedia Health Literacy

Ellen Chan

Prof. David Lee

Development of a Next Generation Combustion Chamber for Waste-to-Energy Power Plants

Jacky Chan

Prof. Masato Nakamura

The Link Between Oral and Systemic Health: The Nursing Connection

Maricel Charles

Prof. Aida Egues

A Feasibility Study of an Energy Recovery System

Liza Chiu

Prof. Masato Nakamura



Interviewing Skills
Professional Development Center
October 20, 2016

Development of a Next-Generation
Combustion Chamber for
Waste-to-Energy Power Plants

Justin Colon

Prof. Masato Nakamura

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

Design of a
Cell Phone Charging Exercise Bike

Mark Cortes

Prof. Angran Xiao

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

Alexandra DePasquale

Prof. Diana Samaroo

The Link Between Oral and Systemic
Health: The Nursing Connection

Judith Diyarza

Prof. Aida Egues

Significance of Entrance Door Infiltration
to Building Environment

Sean Eckelmann

Prof. Daeho Kang

Adaptive and Autonomous
Tensegrity System

Andres Espinal

Prof. Philip Anzalone



Advancing Library Research Techniques

Profs. Tess Tobin and Monica Berger

October 13, 2016

Neuroprotection and Regeneration of
Neurons and Oligodendrocytes in
Multiple Sclerosis

Aspil Estime

Prof. Andleeb Zameer

The Role of Sirtuins in *T. Thermophila*

Edrouine Gabriel

Prof. Ralph Alcendor

From Kitchen To Clinic:
Cooking Up New Cancer Treatments With
Ancient Ingredients

Mubeen Ghafari

Prof. William Lambert

Phenomenology and Place-based Learning

Alexander Gray

Prof. Lauren Park

Development of a
Peer-Led Protein Structure Activity for
Undergraduate Biochemistry

Johnny Guevara

Profs. Nathan Astrof & Mai Zahran

Endocrine Disrupting Chemicals and its
Effect on Reproductive and Mental Health

Devya Gurung

Prof. Sanjoy Chakraborty

Accurate Stage Elevator Design for
Photo-lithography Technique to
Generate Engineered Tissues

Kerolos Hanna

Prof. Ozlem Yasar

Blending Wine Education and
General Education: Preparing Tomorrow's
Wine Professionals for Continual Growth

Ayako Hiratsuka

Prof. Karen Goodlad

Blending Wine Education and General
Education: Preparing Tomorrow's Wine
Professionals for Continual Growth

Malika Ikramova

Prof. Karen Goodlad

Mamakating Master Plan and
Visitor Center Vision Study

Christine Nicole Jayco

Prof. Paul King



Health Promotion and Self Care:
Impact of Microaggressions,
Intersectional Identities, and
Self-Compassion

Ricardi Jean Gilles

Prof. Amanda Almond

NYC MAX: Mapping the Maximum
Allowable Density of NYC by Zoning

Xiao Jing Jiang

Prof. Ting Chin

Big Data in Cloud Robotics Using
Neuromorphic Computing

Alisa Kalegina

Prof. Ashwin Satyanarayana

Modeling the Effect of a Mutation on the
Structure of GPCR6

Josue Kersaint

Profs. Nathan Astrof & Mai Zahran

Molecular Characterization of *Telopathes*
cf. magna from Deep Waters Around
New Zealand, Antarctica (Ross and
Somov Seas), and Hawaii

Sheila Moaleman

Prof. Mercer Brugler

Cultural Awareness in
Health Care Professions

Linalee Moreira

Prof. Elaine Leinung

The Role of Calpains in Oxidative Stress

Ribert Morette

Prof. Ralph Alcendor

Multi-material Scaffold Fabrication for
Engineered Tissues

Kayla Natal

Prof. Ozlem Yasar

Exploring the Pollard's Algorithm

Josiel Nunez

Prof. Ariane Masuda

The Role of Sirtuins in *T. Thermophila*

Kabiru Omolaja

Prof. Raph Alcendor

Adaptive and Autonomous
Tensegrity System

Asli Oney

Prof. Phillip Anzalone

The Link Between Oral and Systematic Health: The Nursing Connection

Akilah Pascall

Prof. Aida Egues

Adaptive and Autonomous Tensegrity System

Cyntia Persaud

Prof. Phillip Anzalone

Health Promotion and Self Care: Impact of Microaggressions, Intersectional Identities, and Self-Compassion

Jamel Phillips

Prof. Amanda Almond

3D Scaffold Fabrication with Inverse Photolithography

Ramesh Prashad

Prof. Ozlem Yasar

A Feasibility Study of an Energy Recovery System

Roseclaire Pyram

Prof. Masato Nakamura

Crash Free Aerial Vehicle for Assistive Navigation System

Tenzing Rabgyal

Prof. Xiaohai Li

Health Promotion and Self Care: Impact of Microaggressions, Intersectional Identities, and Self-Compassion

Stefanie Rimpel

Prof. Amanda Almond



Designing a Research Poster Presentation

Mr. Marvin Bennett

November 3, 2016

Race as an Impact on Provision of Health Care: The Nursing Connection

Ilse Rosalinda Rodriguez Delgado

Prof. Aida Egues

Health Promotion and Self Care: Impact of Microaggressions, Intersectional Identities, and Self-Compassion

Yulduz Saidinova

Prof. Amanda Almond

Cultural Awareness in the Health Care Professions

Fauziya Sani

Prof. Elaine Leninug

Endocrine Disrupting Chemicals and its Effect on Reproductive and Mental Health

Khosiyatkhon Sayfulloeva

Prof. Sanjoy Chakraborty

Exploring the Pollard's Algorithm

Farjana Shati

Prof. Ariane Masuda

Understanding the Concept of Film

Leroy Strother

Prof. John McCullough

Controlling the Movements of a Robotic Mannequin Through Kinematics

Rumana Hassin Syed

Prof. Farrukh Zia

Reading J. Steinbeck's East of Eden as a Midrash on the Story of Cain and Abel

Jaroslav E. Sykora

Prof. Laura Westengard



Peer Leadership Program
Fall 2016

Multi Material 3D Scaffold Printing with
Maskless Photolithography

Joyce Tam

Prof. Ozlem Yasar

NYC MAX: Mapping the Maximum
Allowable Density of NYC Zoning

Xiaoneng Tang

Prof. Ting Chin

Structural Health Monitoring of Bridges

Danielle Telemaque

Prof. Navid Allahverdi

Flow Cytometry and
Cytokine Analysis Methods in R

Nina Tretiakova

Prof. Jeremy Seto

Discrete Structures:
Algorithms, Complexity and Graph Theory

Byron Ullauri

Prof. Satyanand Singh

The Role of Sirtuins in T. Thermophila

Masood Usman

Prof. Ralph Alcendor

Adaptive and Autonomous
Tensegrity System

Adel Yaseen

Prof. Phillip Anzalone

A Feasible Study of
an Energy Recovery System

Runtao You

Prof. Masato Nakamura

Bolker-Pacala Population Model in
Mathematical Biology

Mei Zhu

Prof. Mariya Bessonov



GRANT-FUNDED PROJECTS

NATIONAL SCIENCE FOUNDATION LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION (LSAMP) IN STEM

Program Coordinator: Mr. Marvin Bennett

Cytokine Influence on Neurodevelopment

Serifat Adebola

Prof. Jeremy Seto

Ants vs. Bees: A Comparison of
Swarm-Intelligence Approaches for
Cyber Security

Mikhail Bennett

Prof. Benito Mendoza

Copper Binding Properties and
Antioxidant Ability of
Multi-target Compounds

Miguel A. Gomez

Prof. Alberto Martinez

Mapping and Monitoring Lake Ice Using
Combinations of Satellite and
Ground Observations

Marissa Lyons

Prof. Hamidreza Norouzi

Global Land Cover Change from
MODIS Measurements

Francois Mertil

Prof. Hamidreza Norouzi

Google Cloud vs AWS: A Comparison

Abdou Ndiaye

Prof. Ossama Elhadary

Detecting and Eliminating
Noisy (Fraud) Instances in Big Data

Kleber Perez

Prof. Marcus Pinto

Structural Health Monitoring of Bridges

Daniel Telemaque

Prof. Navid Allahverdi

Simulating Binary Options

Marieme Toure

Prof. Jonathan Natov

**NATIONAL SCIENCE FOUNDATION
RESEARCH EXPERIENCES FOR
UNDERGRADUATES IN SATELLITE AND
GROUND-BASED REMOTE SENSING AT
NOAA-CREST:
EXPANDED OPPORTUNITIES**

(NSF REU Grant # AGS-1560050)

Profs. Reginald Blake, Janet Liou-Mark, and
Ms. Laura Yuen-Lau

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

Anjeza Arapi

Observing Seasonality of
Inundation Patterns Across
The Pacaya-Samiria National Reserve
Region Through the Use of Sentinel SAR 1

Carlos Alvarez

Evaluation of
Karenia Brevis Detection Techniques
Using MODIS and VIIRS Imagery
Against in Situ Measurements on the
West Shelf of Florida

Claudia Duran Garcia

Sampling Fluorescence Reflectance from
Ocean Color Satellite Imagery Using
Fluorescence Line Height (FLH) Algorithm

Rezwon Islam

Use of Landsat 8 to Classify
Coral Reefs and Evaluating the Effects of
the Chemical Oxybenzone on
Porites Furcata's Reflectance Signature

Michael Mateo

Satellite Data Visualization, Processing
and Mapping Using ODIS Imager Data

Aye Phyu

Seasonal Variability of
Precipitation Extremes in New York City

Whelennis Polanco

Thermal Structure of the Urban Boundary
Layer during a Heat Wave Period

Jeremy Sanchez



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

Farjana Shati

Impact of Urbanization and Climate Change on Streamflow

Gnimdou Tchalim

Applications of Remote Sensing and In-Situ Measurements for Studying Lateral Carbon Fluxes Between Tidal Marshes and Connected Estuarine Waters

Usaama Van



Presentation Skills
Professional Development Center
October 6, 2016



NIH Bridges Scholars at the Annual Biomedical Research Conference for Minority Students (ABRCMS) in Tampa, Florida.

NATIONAL SCIENCE FOUNDATION GP-EXTRA: RECRUITING AND RETAINING NON-GEOSCIENCE MINORITY STEM MAJORS FOR THE GEOSCIENCE WORKFORCE

(NSF IUSE GEO Grant #1540721)

Profs. Reginald Blake, Janet Liou-Mark,
Hamidreza Norouzi, Viviana Vladutescu, and
Ms. Laura Yuen-Lau

Analysis of Global Drought and
Land-Cover/Land-Use Change Using
Satellite Passive Microwave Observations

Yanna Chen

Prof. Hamidreza Norouzi & Dr. Satya Prakash

PHYS 1002:

An Introduction to the
Physics of Natural Disasters

Prof. Reginald Blake

Hurricane Research Team

A Simple Thermodynamic Model for
Hurricane Wind Velocity

Wesley Ackley, Caylan Groome,

Fouad Medjekdoud, Travis Ngo, Paul Wong

Earthquake Research Team

Living with Earthquakes

Shannon Evans, Kevin Geronimo,

Isaac Montiel-Montiel, Theodoric Seth Pierre,

Babajide Sonibare

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



Developing and Delivering Effective Research Presentations

Mr. Marvin Bennett

October 27, 2016

Flood Research Team

Save Yourself, Turn Around, Don't Drown
Dinesh Adhikari, Thanbir Ahmed Miah, Leonardo Perez, Irania Vazquez

Volcano Research Team

Volcanic Energy – The Great Eruption
Hussein Alnomani, Barry Amadou, Nigel Franklyn, Harrys Hounbedji, Erick Suazo

NATIONAL INSTITUTE OF HEALTH BRIDGES TO THE BACCALAUREATE PROGRAM

Associate Provost Pamela Brown, Profs. Liana Tsenova, Nathan Astrof, Pa Her, Jean Hillstrom, Janet Liou-Mark, Diana Samaroo, Armando Solis, Tatiana Voza, and Ms. Lori Younge

Health Promotion and Self Care:
Impact of Microaggressions, Intersectional Identities, and Self-Compassion

Nalda Abellard
Prof. Amanda Almond

Barcoding and Sequencing of DNA Extracted from the Scales of Phataginus Tricuspis for Use in Forensics of Wildlife Trafficked in International Trade and Biodiversity Studies

Shenika Burke
Prof. Olufemi Sodeinde

Barcoding and Sequencing of DNA Extracted from the Scales of Phataginus Tricuspis for Use in Forensics of Wildlife Trafficked in International Trade and Biodiversity Studies

Unyque Cruz
Prof. Olufemi Sodeinde

Health Promotion and Self Care:
Impact of Microaggressions, Intersectional Identities, and Self-Compassion

Jermaine G. Fairweather
Prof. Amanda Almond

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

Nazish Ghulam
Prof. Jean Hillstrom

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

Natalie Gonzalez

Prof. Jean Hillstrom

Neurotrophic Factors and Their Effects in the Treatment of Multiple Sclerosis

Juanita Marin

Prof. Andleeb Zameer

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

Sehar Munawar

Prof. Jean Hillstrom

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

Marvelous Nkrumah

Prof. Jean Hillstrom

Examine the Effect of Oxidative Stress on Tetrahymena Thermophila Sirtuin Family Members

Kingsley Okolo

Prof. Ralph Alcendor

Introduction to the Chemistry and Laboratory Preparation of Porphyrin Compounds: New Asymmetric Light-sensitive Compounds for Energy Storage Applications

Nadia Okyere

Prof. Peter Spellane

Why it is Possible for AI to Mimic Human Intelligence

Almas Qamar

Prof. Lauren Park

Protective Cytokines in Multiple Sclerosis

Elma Rahman

Prof. Andleeb Zameer

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

Ebeny Santana

Prof. Jean Hillstrom

Characterizing the Antioxidant Properties of a Novel Ionophoric Polyphenol, Compound-AM20

Jitendra Singh

Prof. Ralph Alcendor



Department of Education MSEIP STRATEGIC CHANGES TO INCREASE AND SUSTAIN THE PARTICIPATION OF WOMEN AND UNDERREPRESENTED MINORITY STUDENTS IN COMPUTER SCIENCE

(DOE MSEIP Grant #P120A150063)

Associate Provost Pamela Brown, Profs. Sandie Han,
Boyan Kostadinov, Janet Liou-Mark, Johann Thiel, and
Ms. Suhua Zeng

Developing Case Studies for
Peer Leader Training

**Joel Chapman, Thierno Diallo, Samuel Guzman,
Michael Johnson, Luis Lora, Jie Hao Luo,
Jean Povo, Kennedy Samarakody, Bashrat Sultana,
and Xuebin Zou**
Prof. Janet Liou-Mark

THE BLACK MALE INITIATIVE PROGRAM

Singlet Oxygen Production by
Photosensitizing Macromolecules

Andrew Wills

Profs. Diana Samaroo & Alberto Martinez



U.S. Environmental Protection Agency (EPA)
October 21, 2016

Special Projects

Close Encounters with Stirling Numbers of the First and Second Kind

Adesoji Adeleke, Mark A. Avila, Ivan Chen, Yanna Chen, Michael A. Estrada, Joshua Grillasca, Ricky Hardiyanto, Cahit Huner, Shawki Kased, Joefer Chris R Luna, Jie Hao Luo, Josue A. Martinez, Jeffrey E Meza, Rajwinder Munder, Juan Carlos Peralta, Abidur Rahman, Kareshma D. Ramashwar, Merkis R. Ruiz, Julio Cesar Salazar Ibarra, Michael Schwartz, Rumana Shammee, Amit Sharan, Erick F Suazo, Chun Kit Szeto, Karma Tsultrim, Byron Ullauri, Ivan Yeung, Donald Young, and Xuebin Zou

Abstract:

An important study in combinatorics involves partitions of n element sets into k classes. We discuss partitions, inverse partitions, and answer relevant questions that help to clarify and lay the ground work for further explorations with Stirling Numbers.

Prof. Satyanand Singh



Writing Abstracts for Research Projects
September 29, 2016



The 25th Semi-Annual Honors and Research Scholars Poster Presentation

To all the dedicated professors for
mentoring students. A heartfelt thank you
for making this event a successful one.



Special Thanks To:

Dean Kevin Hom
Dean David Smith
Dean Justin Vazquez-Portiz
Prof. Julia Jordan
Ms. Laura Yuen-Lau
Dr. Satya Prakash
Mr. Marvin Bennett
Mr. David Turkiew
Mr. George Lowe
Mr. Lubosh Stepanek
Ms. Shawn Beatty
Ms. Claire Johnson



**A special thank you Prof. Mercer Brugler,
Hamidreza Norouzi, Diana Samaroo, and
Laura Yuen-Lau for overseeing the poster
competition and to the poster judges:**

Ralph Alcendor
Navid Allahverdi
Nadia Benakli
Dionne Bennett
Monica Berger
Reginald Blake
Pamela Brown
Aida Egues
Patrick O'Halloran
Laina Karthikeyan
Alberto Martinez
Ariane Masuda
Kara Pasner
Satya Prakash
Diana Samaroo
Jeremy Seto
Gerarda M. Shields
Satyanand Singh
Olufemi Sodeinde
Lian Tsenova
Melanie Villatoro
Yu Wang
Mai Zahran



A special recognition and appreciation to
Ms. Natalie Yeung for designing the program.

