

3rd ANNUAL STUDENT RESEARCH DAY

APRIL 19, 2012

10-4PM, HEALTH EDUCATION COMPLEX
OFFICE OF UNDERGRADUATE RESEARCH
URESEARCH@YORK.CUNY.EDU OR 718.262.2812



STUDENT RESEARCH DAY 2012 LUNCHEON

**“WHOEVER BROUGHT ME HERE,
WILL HAVE TO TAKE ME HOME.”**

KEYNOTE SPEAKER - HARI KUNZRU
INTERNATIONAL AWARD WINNING,
NEW YORK TIMES EDITOR'S CHOICE LIST AUTHOR
“GODS WITHOUT MEN”, “MY REVOLUTIONS”
AND “THE IMPRESSIONISTS”

HEALTH EDUCATION COMPLEX 12-2 PM

UNDERGRADUATE RESEARCH PROGRAM

The Mission:

To promote and facilitate student engagement in research and other creative activities in order to demystify research, increase knowledge about its nature and methodologies, and secure competitive advantage for graduate and professional school and the workforce.

Program Aims:

- 1. Enable participation by undergraduate students in research and other creative activities in all disciplines and programs offered by the college.*
- 2. Provide opportunities for students to present papers, posters, and other research outputs at national & international conferences and events, compete for research funding, and publish their work.*
- 3. Enhance the competitiveness of students for graduate and professional schools and the workforce.*
- 4. Offer incentives for York College faculty members to mentor and collaborate with students in research and other creative arenas.*



SCHEDULE

Registration:
10:00 am-1:00 pm
Health & Physical Education Complex (HPEC)

Poster Session:
11:00 am-5:00 pm
HPEC

Panel Session I:
11:00-11:50 am
HPEC-107, HPEC-108, HPEC- 307, Multi-Purpose Room

Luncheon Session / Keynote Speaker:
12:00-1:50 pm
HPEC

Book Signing:
2:00-2:20 pm
HPEC

Panel Session II:
2:30-3:20 pm
HPEC-107, HPEC-108, HPEC- 307, Multi-Purpose Room

Panel Session III:
3:30-4:20 pm
HPEC-107, HPEC-108, HPEC- 307, Multi-Purpose Room

MESSAGE FROM THE PROVOST

Zora Neale Hurston provides a concise definition of research in saying "Research is formalized curiosity. It is poking and prying with a purpose."



I've embraced this definition for decades, both because of its clarity and because of who Hurston was and was not. She was an anthropologist and a noted author who wrote *Their Eyes were Watching God*, *Dust Tracks on a Road*, and other fascinating books; she was NOT a scientist. I stress this because there's a tendency among undergraduate students to associate research with the natural and applied sciences. As a matter of fact, there is and can be formalized curiosity in every field of study, and our Undergraduate Research Program aims to facilitate this across all disciplines within York.

This Third Annual Student Research Day builds on the experiences of the first two years. It's intended to showcase and celebrate the poking and prying with a purpose that some of our students have been engaged in, guided by their faculty mentors. This year we've moved to the Health & Physical Education Complex in response both to the constructive criticism of inadequate space for the poster display last year and the increased number of students and faculty involved in undergraduate research.

As well, this year I've introduced three prizes to reward and incentivize faculty engagement in undergraduate research mentoring: the Dean's Award, the Provost's Award, and the President's Award for Enhancing Undergraduate Research. Moreover, this year we are inviting some alumni, and are hosting more guests from outside the college community. We've also launched an Undergraduate Research Support Fund. I encourage you to contribute to it.

Of course, this year's celebration could not be held without the incredible work of many people. Allow me to express special appreciation to Director of Undergraduate Research Rishi Nath, Assistant Provost Holger Henke, members of the Undergraduate Research Advisory Council, the Student Government Association, Undergraduate Research Assistants Orlando Simpson and Anthony Garces, and the many faculty and staff members involved in the planning and execution of this event.

Yet, important as this event is, it's not an end in itself, but part of a larger initiative, being pursued with several considerations in mind. These include deepening and widening student research/creative projects individually and within courses; and presenting those projects at disciplinary conferences and at meetings of the Council on Undergraduate Research and other entities. As well, we plan to increase sponsored grant activity to facilitate such research, and establish a mentoring program to enable faculty to maximize the research guidance to students while not jeopardizing their own research endeavors.

So, enjoy our Third Annual Student Research Day, a celebration of this year's labors of what might be called our Formalized Curiosity Program.

--- Ivelaw Lloyd Griffith, Ph.D.

Message from the Director of the Office of Undergraduate Research



Dear York College Community:

I am thrilled to welcome you to the 3rd Annual Student Research Day at York College. This event gives students and faculty from across the disciplines a chance to gather, explore and celebrate our ingenuity and efforts. This year we move to the Health and Physical Education Complex, allowing us to accommodate the growing number of participants while keeping our poster, panel, performance and lunch sessions within a small circle.

Every year during this time I meet students and faculty members whose work surprises and impresses me. For example, sociology student Tiffany Cudjoe recently attended a professional conference in Atlanta, Georgia, and presented with her advisor, Dr. Selena Rodgers. Last summer, Daryl Ramai, a recent graduate in chemistry, was a Global Health Fellow in Ghana, bringing with him hundreds of eye glasses to distribute and taking away a wealth of experience. You will have a chance to hear Tiffany during the luncheon session; Daryl will share his experiences in one of the afternoon panel sessions. I am sure you, like me, will meet students here whose accomplishments, curiosity and enthusiasm make a deep impression.

This year we are honored to have award-winning writer Hari Kunzru, author of four novels, including his newest, *Gods Without Men*, as our keynote speaker. His remarks, entitled "Whoever brought me here, will have to take me home," will touch migration, identity and race, growing up in the United Kingdom, and possibilities for young people. We thank Hari for his graciousness and generosity in joining us.

I would like to acknowledge the hard work put in by members of the Advisory Council, Provost Ivelaw L. Griffith and the Office of Academic Affairs, and Orlando Simpson and Anthony Garces from the Office of Undergraduate Research in making this and all of our activities successful. Enjoy the celebration.

Rishi Nath, PhD

KEYNOTE SPEAKER

Hari Kunzru



Award-winning novelist and technology-writer Hari Kunzru will deliver the keynote at 3rd Annual Student Research Day on April 19th, 2012. His remarks are entitled “whoever brought me here, will have to take me home.” He will also read an excerpt from one of his novels. Hari Kunzru is the author of the novels *The Impressionist* (2002), *Transmission* (2004), *My Revolutions* (2007) and *Gods Without Men* (2011), as well as a short story collection, *Noise* (2006). His work has been translated into twenty-one languages and won him prizes including the Somerset Maugham award, the Betty Trask prize of the Society of Authors, a Pushcart prize and a British Book Award. In 2003 *Granta* named him one of its twenty best young British novelists. *Lire* magazine named him one of its 50 “écrivains pour demain”. He is Deputy President of English PEN, a patron of the Refugee Council and a member of the editorial board of *Mute* magazine. His short stories and journalism have appeared in diverse publications including *The New York Times*, *Guardian*, *The New Yorker*, *Financial Times*, *Times of India*, *Wired* and *New Statesman*. He lives in New York City.



LUNCHEON SESSION

Master of Ceremonies
Mychel Namphy, Department of English

Welcome Remarks
Rishi Nath
Director of the Office of Undergraduate Research

Ivelaw Lloyd Griffith
Provost and Senior Vice-President for Academic Affairs

Marcia V. Keizs
President

Student/ Faculty Research Panel
Shivanand Sooknanan
Department of Accounting & Finance
Advisor: Dr. Chun-Pin Hsu

Tiffany Cudjoe
Department of Social Sciences
Advisor: Dr. Selena Rodgers

Shirley Jackson
Department of Earth & Physical Sciences
Advisor: Dr. Nazrul Khandaker

The Cast of Rent
Department of Performing and Fine Arts
Advisor: Professor Tim Amrhein

Keynote Address
Hari Kunzru

Closing Remarks
Provost Ivelaw Griffith

PANELS

Panel Session I: 11:00-11:50 am

"Poetry and Art from Milton to Hip Hop"
(HPEC-108)

Moderator: Dr. Shereen Inayatullah
Presenters: Gourava Bhattacharyya,
Qamar Hunter, Ian Tyrone Stephens,
Porscha Williams

"Global Analysis" (HPEC-107)

Moderator: Dr. Michael Sharpe
Presenters: Paul Adetola, Stephanie Figueroa
Karelynnne Philemon, Farai Siddiqui,
Richard Chanoine

"Scientific Methods" (Multi-Purpose Room)

Moderator: Dr. Anne Simon
Presenters: Christele Felix, Robert Fernandez,
Mika'il DeVeaux, Nadia Kissoon

"On Obesity I" (HPEC-307)

Moderator: Prof. Patricia Milanes
Presenters: Kehinde Aiyelabowo, Kaila Bruzual
Yvonne Dingle, Alison Giarratana,
Alimatou Maigari

Panel Session II: 2:30-3:20 pm

"Journalism Dynamics" (HPEC-108)

Moderator: Prof. Tom Moore
Presenters: Carlotta Mohamed, Bolanle Ayola
Shanaa Harvin, Bimina Ramjit

"Prosody, Poetry Presentation" (HPEC-107)

Moderator: Prof. Tom Marion
Presenters: Emmanuela Accimeus, Ludma Delva
Matthew Echevarria, Rick Fure, Uchenna Ijeaku
Kyle Jackson, Ayush Prasad, Beonca Rosado
Ian Stephens, Phil Williams

"Scholarships at CUNY and Beyond"
(Multi-Purpose Room)

Moderator: Dr. James Airozo
Director of Student Academic Awards, CUNY
Presenters: Jasmine Osorio, Daryl Ramai
Co-sponsored by the York College Tensor Program

"Dynamics of Business" (HPEC-307)

Moderator: Dr. Chun-Pin Hsu
Presenters: Roger Ramjit, Garrison Redd,
Shivanand Sooknanan

Panel Session III: 3:30-4:20 pm

"The CUNY Pipeline Program" (HPEC-108)

Moderator: Dr. Mychel Namphy
Presenters: Chanae Bazemore, Michelle Gibbs, Kathy Recckia, Angelica Shoenfeld

"Social Sciences" (HPEC-107)

Moderator: Isabelle Pierre
Presenters: Jean Gardy Bontemps, Jeovanna Coloma, Shakira Richards, Vijaya Sarju

"What is the York College Creative Ensemble?" (Multi-Purpose Room)

Moderator: Prof. Tom Zlabinger
Presenters: Adesanya Akinleye, Dehnia Duplan, Bayo Fayemi, Johnathan McKinney, Steven Morris,
Bernard Myers, Darius Nazario, Ayush Prasad, Scott Sethna, Kunal Singh, Phil Williams

"On Obesity II" (HPEC-307)

Moderator: Dr. Brigitte Desport
Presenters: Marie Dumont, Oladeni Ladotun, Rubin Mensah
Marsha Ocean, Lateefat Olajide, Valerie Roland

FEATURED STUDENTS:

Shivanand Sooknanan
Department of Accounting & Finance
Advisor: Dr. Chun-Pin Hsu

Daryl Ramai
Department of Chemistry
Advisors: Drs. Emmanuel Chang & Deb Chakravarti

Jasmine Osorio
Department of Mathematics and Computer Science
Advisor: Dr. Rishi Nath

Tiffany Cudjoe
Department of Social Sciences
Advisor: Dr. Selena Rodgers

The Cast of Rent
Department of Performing and Fine Arts
Advisor: Professor Tim Amrhein



FEATURED STUDENTS

Daryl Ramai



Daryl Ramai is an undergraduate majoring in chemistry at York College. An avid investigator with over four years experience; Daryl has conducted research at the Rockefeller University Laboratory for Mass Spectrometry, and York College in the Bio-Mass Spectrometry laboratory of Prof. Emmanuel Chang. Daryl's interest centers around the probing of higher order protein structure with applications to biological & medicinal activity. He won 3rd place in this year's CUNY Noble Science Challenge.

Tiffany Cudjoe



Tiffany Cudjoe is a student research assistant. In April 2012, she co-presented with her mentor and research advisor, Dr. Rodgers at a professional national conference in Atlanta, Georgia. Ms.Cudjoe has an abundance of public service and student internship experience. Regarding her service to York College, she is an active member of the Curriculum Committee and Committee on Academic Standards. Tiffany is also a Cardinal Crew member and York College Ambassador, helping to create a student-friendly environment for incoming freshmen.

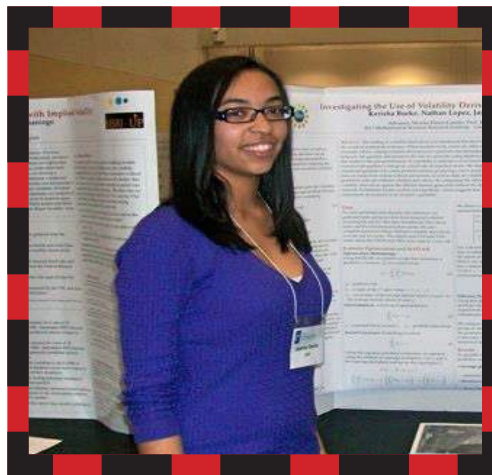
FEATURED STUDENTS

Shivanand Sooknanan



I am currently a senior majoring in Aviation Management. Throughout my years at York College, I have gained great leadership skills, eventually becoming president of the Aviation Club, as well as the student representative on CUNY's Aviation Institute Advisory Board. Today, being an Aviation major has also afforded me opportunities I may not have thought of as part of an aviation program. I have been able to engage in meaningful research and presented my findings at the 2nd Annual York College Undergraduate Research Day. For my research, I analyzed the financial performance of the Top 20 Airlines to determine the financial impact of 9/11 and the Icelandic disruptive volcano to determine the financial impact of a man-made disaster versus a natural disaster such as the volcanic eruption in Iceland in 2010.

Jasmine Osorio



I am a 21-year-old from the Bronx and a part of the Teacher Academy. I have studied math education 7-12, and am a member of the Tensor Scholars, a program which helps empower women in math. It has helped to increase my interest in the area of mathematics. During the summer of my sophomore year and junior year I engaged in two different research projects. The first was at York College and I was able to do research with my mentor Rishi Nath. The second project was at the Mathematical Sciences Research Institute Undergraduate Program (MSRI-UP) at the University of California at Berkeley. The research was in mathematical finance. This opportunity was a life changing experience.

FEATURED STUDENTS

Cast of Rent



To conclude the 2011-2012 Season, in what is the first-ever collaborative effort among the Theatre Discipline, Music Discipline and the York College Performing Arts Center (producer Matthew Katz), the York College Theatre presents the spell-binding, captivating, and energizing Broadway smash hit musical, *RENT*. This production moves to raving rock music while telling a tale of triumph and finding love in today's tough world. *RENT* is set in New York City's gritty East Village, and this revolutionary rock musical is an imaginative retelling of Puccini's 1896 classic opera, "La Boheme". This unforgettable and timeless story of a group of starving artists, who, despite poverty and illness, learn to fall in love and find their voices, brings a universal message of hope for everyone.



Shirley Jackson

Shirley is the seventh of eight children, and a high school dropout who grew up in a dysfunctional household. This forced her to learn early on that in order to survive and be noticed, she had to stand out and excel. This began the planting of seeds which produced several creative/athletic talents and community awareness, that eventually led her to Minnesota to pursue a career in the Arts while earning a GED and Associates of Arts Degree from the University of Minnesota.

Overcoming several medical issues while living with a permanent/painful disability and caring for family members has made returning to collegiate life after a long absence extremely challenging. In spite of this she has strived to maintain a 3.17 GPA, is Vice President of Student Government, Captain of a Varsity Team (Honda Campus All Star Challenge Team), serve on several York College Boards and a member of the CUNY Coalition For Students With Disabilities.

Student Research Projects

By Majors & Faculty Mentors:

Accounting (BS)

Scott Sethna

Professor Tom Zlabinger

“What is the York College Creative Ensemble?”

Shelley Mariaca

“Unemployment throughout the United States of America
with a focus on age, race, and sex.”

Meirong Liu

Dr. Chun-Pin Hsu

“Can foreign investment enhance domestic
investors portfolio performance?”

Silvia Thomas

Dr. Hamid Bahri

“France: Book and Culture”

Aviation Management (BS)

Shivanand Sooknanan

Dr. Chun-Pin Hsu

“Modeling fuel price and airline stock return: An
empirical study of US carriers”

Rosolino Faraone

Dr. Chun-Pin Hsu

“Seeking Alternate Jet Fuel”

Ali Aliabutaleb

Dr. Chun-Pin Hsu

“Seeking Alternate Jet Fuel”

Alex Chetram

Dr. Chun-Pin Hsu

“Seeking Alternate Jet Fuel”

Edgar Sierra
Dr. Chun-Pin Hsu
“Modeling fuel price and airline stock return: An
empirical study of US carriers”

Than than Swe
Dr. Olajide Oladipo
“The effect of global financial crisis on aviation industry”

Biology (BA-BS)

Jon Peter Sardea
Dr. Ruel Desamero
“The Amyloidogenic Propensity Of
Two Hiapp12-17 Analogs”

Kizzia Perez
Dr. Elizabeth Alter
“DNA Barcoding of Catfish reveals diversity
of species in markets”

Aaska Patel
Dr. Laura Beaton
“Effects of Water Temperatures on Leaf Yellowing
of Wild Sunflowers (*Helianthus annuus*)”

Janki Tailor
Dr. Elizabeth Alter
“DNA Barcoding of Catfish reveals diversity
of species in markets”

Adesanya Akinleye
Dr. Anne Simon
“Moving Boundaries: Investigating the Genetic Basis
of Individual Space in the Fruit Fly”

Christele Felix
Dr. Ivica Arsov
“Immune Response in Beclin 1-deficient T Cell”

Jagdeep Singh
Dr. Laura Beaton
“Interspecific vs. Intraspecific competition of plant culture”

Abdulwahab Ahmed
Dr. Shao-Ying Hua
“The effect of epoxomicin on synaptic transmission
at crayfish neural muscular synapses”

Adegoke Atunbi
Dr. Laura Beaton
“Latitudinal variation in herbivore defense”

Zulekha Rouzyi
Dr. Anne Simon
“How does the circadian rhythm affect individual
space in control and mutant flies”

Ann Vega
Dr. Laura Beaton
“A Study of Native and Invasive Species
in Monocultures and Multicultures”

Sana Gul
Dr. Laura Beaton
“Soil acidity and soil salinity effects on the B. nigra plan”

Ali Syed
Dr. Shao-Ying Hua
“The effect of the cytoplasmic domain of rat synaptotagmin
I on neuromuscular synaptic transmission”

Ayush Prasad
Professor Tom Marion
“Prosody 400”

Ali Syed
Dr. Shao-Ying Hua
“The effect of the cytoplasmic domain of rat synaptotagmin
I on neuromuscular synaptic transmission”

Kelly Ramin
Dr. Laura Beaton
“The Effects of Soil Nitrogen Concentration on
Interspecific Plant Competition and Generalist Herbivore Preference”

King Ampofo
Dr. Laura Beaton
“Indirect Defense”

Mirza Avdovic
Dr. Laura Beaton
“Competition Acclimatization”

Amy J. Minier
Dr. Laura Beaton
“Competition and Herbivore Defense in Plants”

Tarnjot Parmar
Dr. Laura Beaton
“Soil Acidity and Soil Salinity Effects on the B. nigra Plant”

Tanzila Shahzadi
Dr. Laura Beaton
“Soil acidity and soil salinity effects on the B. nigra plant”

Kaamashri N. Latcha
Dr. Laura Beaton
“Toxic effects of a variety of St. John’s wort plants
on healthy, non-invasive plant”

Pascale Geffrard
Dr. Laura Beaton
“Climatic Effects On The Growth of
Helianthus annuus (Wild Sunflower).”

Christele Felix
Dr. Laura Beaton
“Toxic effects of a variety of St. John’s wort plants
on healthy, non-invasive plant”

Marat Nurilov
Dr. Anne Simon
“Behavior Response Due to Pharmacological Depletion
of Dopamine in Drosophila melanogaster”

Richard Bhim
Dr. Laura Beaton
“The Effects of Soil Nitrogen Concentration on
Interspecific Plant Competition and Generalist Herbivore Preference”

Mirza Avdovic
Dr. Laura Beaton
“A study of Native and Invasive Species
in mono and multicultures”

Mohammed Chowdhury
Dr. Laura Beaton
“Effects of Water Temperature on Leaf Yellowing
of Wild Sunflowers (*Helianthus annuus*)”

Mingma Lama
Dr. Laura Beaton
“Climatic Effects On The Growth
of *Helianthus annuus*. (Wild sunflower)”

Emmanuela Accimeus
Professor Tom Marion
“Prosody 400”

Carla Ann Davis
Dr. Laura Beaton
“Title: Climatic Effects On The Growth
of *Helianthus annuus* (Wild Sunflower).”

Miguel Guifarro
Dr. Laura Beaton
“Toxic effects of a variety of St. John’s wort plants
on healthy, non-invasive plant”

Adesanya Akinleye
Professor Tom Zlabinger
“What is the York College Creative Ensemble?”

Ayush Prasad
Professor Tom Zlabinger
“What is the York College Creative Ensemble?”

Wajiha Kazmi
Dr. Elizabeth Alter
“DNA Barcoding of Catfish reveals diversity of species in markets”

Jalwa Afroz
Dr. Elizabeth Alter
“DNA Barcoding of Catfish reveals diversity of species in markets”

Mareneth Banzon
Dr. Deb N. Chakravarti and Yelena Karaseva (FDA Advisor)
“Studies on the Modification of the QuEChERS Method for
Enhanced Recovery of Pesticide Residues: Diazinon and Endosulfan”

Zulekha Rouzyi
Dr. Nazrul I. Khandaker
“A Geochemical And Sedimentological Survey Of
The Northern Gateway Nra, New York City, Part II”

Biotechnology (BS)

Yuriy Fazylov
Dr. Laura Beaton
“Soil Seed Bank, Seed Dispersal and
Seedling Rivalry in Close Quarters”

Robert W. Fernandez
Dr. Anne Simon
“Innate social avoidance in the fruit-fly to study model
of autism and dopamine involvement”

Business Administration (BS)

Dalou M. Charles
Dr. Olajide Oladipo
“Economic Growth in Haiti: A Trend Analysis”

Lashana Desmarattes
Dr. Chun-Pin Hsu
“Should investors take active investment strategies during financial
crises periods? An empirical study of Dow Jones 30 blue-chip stocks”

Keleca Benjamin
Dr. Olajide Oladipo
“Economic Impact of the Tourism Sector
to the Caribbean: Evidence from Jamaica”

Anna-Kay Vaz
Dr. Olajide Oladipo
“The Effects of Technology on Research”

Garrison Redd
Dr. Olajide Oladipo
“Predatory Lending and its dangers to society”

NaTia
Dr. Olajide Oladipo
“Poverty Trends in the United States”

Sol Ham
Dr. Olajide Oladipo
“Impact of Modernization of Mortgage Lending on Industry”

Sean Richardson
Dr. Olajide Oladipo
“Transportation System in New York State: A Case Study
of Metropolitan Transportation Authority (MTA)”

Roger Ramjit
Dr. Chun-Pin Hsu
“The World Trade Organization: Uniting the Global Market?”

Laquann Fields
Dr. Olajide Oladipo
“The International and Domestic Effects of the United States Deficit”

Fedner Poinvil
Dr. Olajide Oladipo
“Recession Consumption: A case study of Alcohol and
Tobacco consumption during periods of unemployment.”

Shantrell Allen
Dr. Olajide Oladipo
“Economic Impact of the Tourism Sector
to the Caribbean: Evidence from Jamaica”

Dalou Charles
Dr. Chun-Pin Hsu
“Should investors take active investment strategies during financial
crises periods? An empirical study of Dow Jones 30 blue-chip stocks”

Faisal Suleman
Dr. Olajide Oladipo
“The Impact of Social Networking on Business: An in depth view
of networking capabilities, strategic methods in social medium...”

Chemistry (BA-BS)

Muhaned Mohamed
Dr. Ruel Desamero
“Computational Studies Of Phosphate-Metal Interactions
Through Vibrational Spectroscopy.”

Debra Whorms
Dr. Ruel Desamero
“Probing The Effect Of Peptide Analogs On The Amyloidogenic
Propensity Of Hiapp By Circular Dichroism And Thioflavin T Florescence Assay”

Daryl Ramai
Dr. Deb Chakravarti
“Maternal and Caretaker Perceptions
on Clinical Child Eye Care in Ghana”

Magid Mohamed
Dr. Deb N. Chakravarti
“Studies on the Modification of the QuEChERS Method for
Enhanced Recovery of Pesticide Residues: Diazinon and Endosulfan”

Magid Mohamed
Dr. Hamid Bahri
“Journey to the East: Four Weeks Exploring China”

Daniel Severino
Dr. Deb N. Chakravarti and Yelena Karaseva (FDA Advisor)
“Studies on the Modification of the QuEChERS Method for
Enhanced Recovery of Pesticide Residues: Diazinon and Endosulfan”

Jinnette Tolentino
Dr. Ruel Desamero
“Probing Zinc-Carboxylate Interaction
Using Vibrational Spectroscopy”

Pascale Lafortune
Dr. Ruel Desamero
“The Effect Of Ph And Ionic Strength On
The Amyloidogenic Propensity Of Hiapp22-29”

Jean-Robert Savaille
Dr. Ruel Desamero
“Computational Studies and Raman Spectra of Ten Sulfa Drugs”

Pamela Lebron
Dr. Ruel Desamero
“Probing Metal-Phosphate Interactions Using Vibrational Spectroscopy”

Community Health Education (BS)

Geovanny Santistevan
Dr. David Ajuluchukwu and Dr. Ray Marks
“The Healthy Cookbook”

Marsha Ocean
Dr. David Ajuluchukwu and Dr. Ray Marks
“Obesity Profiles in Jamaica, Queens”

Mellissa Spells
Dr. David Ajuluchukwu and Dr. Ray Marks
“The Healthy Cookbook”

Yvonne Dingle
Dr. David Ajuluchukwu and Dr. Ray Marks
“Obesity Profiles in Jamaica, Queens”

Valerie Roland
Dr. David Ajuluchukwu and Dr. Ray Marks
“Obesity Profiles in Jamaica, Queens”

Nikasha Smith
Dr. David Ajuluchukwu and Dr. Ray Marks
“The Healthy Cookbook”

Rubin Mensah
Dr. David Ajuluchukwu and Dr. Ray Marks
“Obesity Profiles in Jamaica, Queens”

Erika Guadalupe
Dr. David Ajuluchukwu and Dr. Ray Marks
“The Healthy Cookbook”

Pauline Lingard
Dr. David Ajuluchukwu and Dr. Ray Marks
“The Healthy Cookbook”

Marie dumont
Dr. David Ajuluchukwu and Dr. Ray Marks
“Obesity Profiles in Jamaica, Queens”

Oladeni Ladotun
Dr. David Ajuluchukwu and Dr. Ray Marks
“Obesity Profiles in Jamaica, Queens”

Karelynnne Philemon
Dr. Michael Sharpe
“Proliferation of NGO’s in Haiti”

Kim Feis
Dr. Nicholas Grosskopf
“Prostate Cancer Awareness for African American Men
(PCA-AAM): The Systematic Design of a...”

Alison Giarratana
Dr. David Ajuluchukwu and Dr. Ray Marks
“Obesity Profiles in Jamaica, Queens”

Kaila Bruzual
Dr. David Ajuluchukwu and Dr. Ray Marks
“Obesity Profiles in Jamaica, Queens”

Lateefat Olajide
Dr. David Ajuluchukwu and Dr. Ray Marks
“Obesity Profiles in Jamaica, Queens”

Kehinde Aiyelabowo
Dr. David Ajuluchukwu and Dr. Ray Marks
“Obesity Profiles in Jamaica, Queens”

Alimatou Maigari
Dr. David Ajuluchukwu and Dr. Ray Marks
“Obesity Profiles in Jamaica, Queens”

Computer Science (BS)

Sangeeta Jadoonanan
Dr. Edoardo Carta-Gerardino
“Context Free Language and Weighted Automata”

Raul De La Cruz
Dr. Robert Duncan
“An Assessment of Open-Source Technologies
for the Development of Serious Games”

English (BA)

Waczma Wali
Professor Charles Coleman
“Do humans have an innate ability to acquire language?
And how does language contribute to our ability to manipulate our environment?”

Ian Tyrone Stephens
Dr. James Papa
“Poetry In Me”

Bolanle Ayilola
Professor Bill Hughes
“Beautiful Entertainment and Unique Inc.”

Darius Nazario
Professor Tom Zlabinger
“What is the York College Creative Ensemble?”

Michelle P. Gibbs
Dr. Mychel Namphy
“Colonial Trauma of Dissociative
Proportions in Dream on Monkey Mountain”

Chanae Bazemore
Dr. Mychel Namphy
“The Between Story: Trauma and Sexual Identity In Black Women”

Alana Duguid
Dr. Shereen Inayatulla
“The Roles of Men in Society”

Gourav Bhattacharyya
Professor Patricia Milanés
“Milton’s Paradise Lost”

Ian Stephens
Professor Tom Marion
“Prosody 400”

Kyle Jackson
Professor Tom Marion
“Prosody 400”

Environmental Health Science (BS)

Ezazul Haque
Dr. Ratan Dhar
“Heavy metal uptake by green algae during
the nutrients removal from NYC wastewater.”

Geology (BS)

Iheanyichukwu Agbor
Dr. Ratan Dhar
“Temporal variability of Hydro-geochemical Properties of the
Upper Glacial Aquifer, Jamaica, New York”

Andrew Singh
Dr. Ratan Dhar
“Sorption of Nutrients and Heavy Metals by Biochar
as a Vehicle for Climate Change Mitigation”

Coreyn Goddard
Dr. Nazrul I. Khandaker
“Vessigny Beach Sand Composition and
Provenance Implications, Southern Trinidad”

Shirley Jackson
Dr. Hamid Bahri
“Hanging Loose--Navigating the breath of life”

Coreyn Goddard
Dr. Ratan Dhar
“Experimental design for evaluating the kinetics
of arsenic adsorption in iron-coated sands”

Chiemeka Ihebom
Dr. Nazrul I. Khandaker
“Direct Solar Radiation and Environmental Measurements: Transparent
vs. Translucent Atmosphere, Steamboat Springs, Colorado”

Adisa Charles
Dr. Ratan Dhar
“Green Approaches For A Sustainable Environment”

Hernando Martinez
Dr. Nazrul I. Khandaker
“Sedimentology of the Mesozoic Giron Group, Columbia”

Avanel Cunningham
Dr. Ratan Kumar Dhar
“Solid Phase Arsenic And Iron Speciation In Sediment Core
Samples Collected From Three Villages In An As-Affected District Of West Bengal, India”

Roselina Quadros
Dr. Ratan Dhar
“Optimization of Ion Chromatography for simultaneous
determination of mixed anions in ground, pond and lake water
samples in Queens County New York”

Atiqa Tirmizi
Dr. Nazrul I. Khandaker
“Mineralogy of the Hawaiian Sands”

Michael Gudkov
Dr. Nazrul I. Khandaker
“Mineralogy of the Hawaiian Sands”

Atiqa Tirmizi
Dr. Ratan Dhar
“Handheld X-Ray Fluorescence instrument as a
reliable tool for environmental solid monitoring”

Rodrigue Payen
Dr. Nazrul I. Khandaker
“Direct Solar Radiation and Environmental Measurements:
Transparent vs. Translucent Atmosphere , Steamboat Springs, Colorado”

Fredy Calle
Dr. Nazrul I. Khandaker
“Sedimentology of the Mesozoic Giron Group, Columbia”

Shirley Jackson
Dr. Nazrul I. Khandaker
“Mineralogy of the Hawaiian Sands”

Aihab Zaben
Dr. Nazrul I. Khandaker
“Vessigny Beach Sand Composition and
Provenance Implications, Southern Trinidad”

Ayatt Musid
Dr. Nazrul I. Khandaker
“Vessigny Beach Sand Composition and
Provenance Implications, Southern Trinidad”

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Provenance Implications, Southern Trinidad”

Sasha Kissoon
Dr. Nazrul I. Khandaker
“Vessigny Beach Sand Composition and
Provenance Implications, Southern Trinidad”

Gerontological Studies & Services (BS)

Mary Amoako
Dr. Charlene Lane
“Naturally Occurring Retirement Community”

Erika Guadalupe
Dr. Alex W. Costley
“Social Factors and the Perception of
Age-Friendly Features in Jamaica, Queens”

Erika Guadalupe
Dr. Charlene Lane
“Naturally Occurring Retirement Community”

Health Education K-12 (BS)

Su Panetta
Dr. Xin Bai
“Educational Technology Games: Do they
help or hinder student learning?”

Health Promotion Management (BS)

Cesar Florez
Dr. Nicholas Grosskopf
“The Systematic Development Of The Athlete Program:
Accessing Total And Health Living And Education Through Exercise”

History (BA)

Richard Chanoine
Dr. Michael Sharpe
“Impact of drugs and crime on Caribbean sovereignty,
political, and economic development”

Journalism (BA)

Carlotta Mohamed
Professor Thomas Moore
“Banning of the Burqa in France”

Bimina Ramjit
Professor Thomas Moore
“Banning of the Burqa in France”

Shanaa Harvin
Professor Thomas Moore
“Banning of the Burqa in France”

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Dr. Farley Mawyer

“Solving problem by using the Intermediate Value Theorem”

Juliet George

Dr. Lidia Gonzalez

“An Exploration of the York Tensor Scholars Program”

Jasmine Osorio

Dr. Rishi Nath

“Investigating the use of Volatility Derivatives to Hedge Portfolios”

Rose-Anne J Maragh

Dr. Xin Bai

“E-Learning”

Vernez Wilson

Dr. Farley Mawyer

“Solving a problem in Mathematics Magazine.”

Movement Science (BS)

Miya Bass

Professor Tim Amrhein

“Rent-selected musical numbers”

Music (BA)

Dehnia Duplan

Professor Tom Zlabinger

“What is the York College Creative Ensemble?”

Steven Morris

Professor Tom Zlabinger

“What is the York College Creative Ensemble?”

Kunal Singh

Professor Tom Zlabinger

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Bayo Fayemi
Professor Tom Zlabinger
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Jonathan McKinney
Professor Tom Zlabinger
“What is the York College Creative Ensemble?”

Bernard Myers
Tom Zlabinger
“What is the York College Creative Ensemble?”

Nursing (BS)

Khrystia Gratia
Dr. Ruel Desamero
“Probing Metal-Phosphate Interactions Using
Vibrational Spectroscopy”

Occupational Therapy (BS/MS)

Pawan Kaur
Dr. Lillian Kaplan
“The Effect of a Built up Handle on Completing a Latch Hook Kit”

Leah Fazal
Dr. Lillian Kaplan
“The Effect of a Built up Handle on Completing a Latch Hook Kit”

Asha Roy
Dr. Lillian Kaplan
“The Effect of Simplification on Learning Henna Application”

Huma Abbasi
Dr. Lillian Kaplan
“The Effect of Simplification on Learning Henna Application”

Pharmaceutical Science (BS)

Kakoli Paul Chowdhury

Dr. Farley Mawyer

“The secant of the opposite angle in the isosceles triangle”

Falguni Islam

Dr. Ruel Desamero

“Probing The Dynamic Binding Of A Metal And Carboxyl Group”

Nabila Mohamed

Dr. Deb N. Chakravarti

“From a Blockbuster to a Generic: Lipitor”

Kailin S. Cheng

Dr. Deb N. Chakravarti

“From a Blockbuster to a Generic: Lipitor”

Mina Phlamon

Dr. Deb N. Chakravarti

“Alzheimer Drug Aricept: Is the Difference Between
20 and 23mg Significant?”

Alexandra Jean-Toussaint

Dr. Deb N. Chakravarti

“Anticancer Drug Doxil: Mechanism of Action and Recent Shortages”

Alisa Rafiudeen

Dr. Deb N. Chakravarti

“Anticancer Drug Doxil: Mechanism of Action and Recent Shortages”

Bradley Hall

Dr. Ruel Desamero

“Probing The Sol-Gel Transition Of A Cyano-Based
Xerogel By Raman Spectroscopy”

Falguni Islam

Dr. Deb N. Chakravarti

“Aspirin - The Wonder Drug”

Ludma Delva
Professor Tom Marion
“Prosody 400”

Helen Ihonor
Dr. Deb N. Chakravarti
“Ritalin for Treatment of Attention Deficit Hyperactivity
Disorder: Benefits and Misuse”

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Dr. Deb N. Chakravarti
“Studies on the Modification of the QuEChERS Method
for Enhanced Recovery of Pesticide Residues: Diazinon and Endosulfan”

Anthony Kovalenko
Dr. Deb N. Chakravarti
“Aspirin - The Wonder Drug”

Smita Chandan
Dr. Deb N. Chakravarti
“Qnexa: Illusion of Weight Loss or a Wonder Drug?”

Tshering Sherpa
Dr. Ruel Desamero
“Computational Studies And Raman Spectra Of Some Estrogens.”

Tshering Sherpa
Dr. Deb N. Chakravarti
“Qnexa: Illusion of Weight Loss or a Wonder Drug?”

Ahmad Esa
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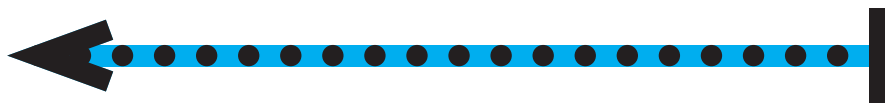
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Dr. Deb N. Chakravarti
“The Hype Behind Biosimilars”

Gerardine Rodriguez
Dr. Deb N. Chakravarti and Yelena Karaseva (FDA Advisor)
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“Studies on the Modification of the QuEChERS Method for
Enhanced Recovery of Pesticide Residues: Diazinon and Endosulfan”

*“Research is formalized curiosity. It is poking and prying with a
purpose.”*
--Zora Neale Hurston



Kailin Cheng
Dr. Deb N. Chakravarti
“From a Blockbuster to a Generic: Lipitor”

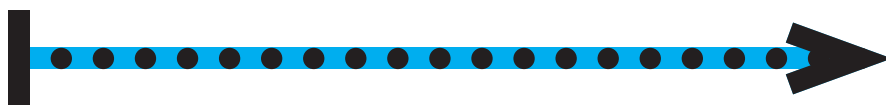
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Md. Ashik Islam
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“Studies on the Modification of the QuEChERS Method for
Enhanced Recovery of Pesticide Residues: Diazinon and Endosulfan”

Nabila Mohamed
Dr. Deb N. Chakravarti
“From a Blockbuster to a Generic: Lipitor”

Zarna Rawal
Dr. Deb N. Chakravarti
“The Hype Behind Biosimilars”

“We are what we repeatedly do. Excellence then, is not an act but a habit.”
--Aristotle



Physical Education K-12 (BS)

Steven C. McCartney

Dr. Donna Chirico

“The Effects Of Synchronized Walking And Association Of
Weight, Physical Activity And Food Choices Among High School
And College Students At York College (Cuny)”

Physician Assistant (BS)

Jiewen Tang

Dr. Ruel Desamero

“Spectroscopic Characterization Of 1-Butyl-3-Methylimidazolium Thiocyanate”

Political Science (BA)

Uchenna Ijeaku

Professor Tom Marion

“Prosody 400”

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“U.S. and Colombia- The War on Drugs”

Faraz Siddiqui

Dr. Michael Sharpe

“Individual vs. Group Rights: A look at the issue of Abortion
in the U.S, China and India.”

Paul Adetola

Dr. Michael Sharpe

“African Americans vs “African” Americans”

Psychology (BA)

Kathy Recckia

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“Faith & Morality: An Examination of Faith and Decision
Making in an Online Sample”

Kelly Borges

Dr. Ian Hansen

“Does the liberal-conservative divide make us more comfortable with torture?”

Jean Gardy Bontemps

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“What causes minority adolescents to drop out of high school?”

Jessenia Peata

Dr. Ian Hansen

“Punishment or information? What motivates support for torture?”

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“Cognitive Test in a Rat Model of Alzheimer’s disease”

Christina Maharaj

Dr. Ian Hansen

“Moral unity between liberals and conservatives increases the negative relationship between religiosity and support for torture”

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“Family incarceration, impact on college students”

Danish Bissessar

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“Rat Model of Alzheimer’s disease with Measures in Sleep-Wake EEG and Short Term Memory”

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“Research: Learning How to Mentor Students”

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“Educational Phone Apps for Children”

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“Using Video Games to Teach Critical Thinking Skills in College Freshman”

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Professor Winsome Smickle

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“Using Video Games to Educate At-Risk College Students About Depression”

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Dr. Mark Schuller
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Caribbean in the US”

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“Prosody 400”

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“Rat Model for Alzheimer’s disease”

Amanda Maldonado
Dr. Xin Bai
“Smartboards in the Classroom”

Karina Castro
Dr. Xin Bai
“Educational Phone Applications for Children”

Social Work (BS)

Damien Pratt
Dr. Susan Letteney
“Social Workers Perceptions of Their Knowledge, Attitudes
and Behaviors Concerning Children in HIV Affected Families.”

Mikael DeVeaux
Dr. Beth S. Rosenthal
“Research: Learning How to Conduct Literature Searches”

Jeovanna Coloma
Dr. Vadim Moldovan
“The Conceptual Matrix Project”

Debora Toussaint
Dr. Deborah Majerovitz
“Weight, body image and the cultural meaning of food”

Sociology (BA)

Rick Furel
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“Prosody 400”

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Dr. Beth S. Rosenthal
“The Relationship between Perceived Discrimination and
Psychological Distress”

Tiffany Cudjoe
Dr. Selena T. Rodgers
“The Duty of Self-Care: Vicarious Trauma and Coping
Strategies in Social Workers”

Shakira Richards
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“Effects on Children Living in Female Headed Households”

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“The Relationship between Perceived Discrimination
and Psychological Distress”

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Dr. Beth S. Rosenthal
“The Relationship between Perceived Discrimination
and Psychological Distress”

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“The Revolving Door of Incarceration: Recidivism, Reentry
and Reintegration Among African American Males”

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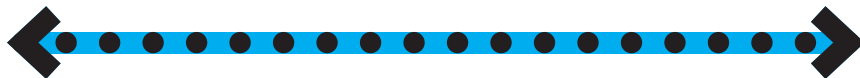
Speech Communication and Theatre Arts (BA)

Phil Williams
Professor Tom Marion
“Prosody 400”

Phil Williams
Professor Tom Zlabinger
“What is the York College Creative Ensemble?”

Sabrina Thomas
Professor Timothy Amrhein
“RENT-Selected Musical Numbers”

*“Not everything that can be counted counts, and
not everything that counts can be counted”
--Albert Einstein*



Acknowledgements

A special note of thanks to:

Dr. David Ajuluchukwu, Chair, Health & Phys Ed
Ron St. John, Director of Athletics
Jessica Cherry, Assistant Athletics Director
Curtis Thomas, Graphic Designer
Dolores Swirin, Vice President, Inst. Advancement
Mondell Sealy, Director of Dev. & Alumni Affairs
Matthew Katz Director, Performing Arts Center
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*Special Thanks to: Anthony Garces and Orando
Simpson from the Office of Undergraduate
Research for the preparation of this program.*

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ABOUT YORK

York College is organized into three Schools: the School of Arts & Sciences, the School of Business & Information Systems, and the School of Health & Behavioral Sciences. Each of the Schools focuses on a set of related programs and departments, and gives expression to the College's mission. The School of Arts & Sciences provides students with the opportunity to obtain an excellent education in the arts, humanities, mathematics, and the natural sciences. The School of Business & Information Systems introduces students to all of the fundamental business disciplines, then allows them a wide range of choices when selecting their major field of study. Finally, the School of Health & Behavioral Sciences provides a diverse student population with programs that have received national recognition and professional accreditation.

York College offers B.A. and B.S. degrees in over 44 different liberal arts, sciences, and professional majors, including English, History, Spanish, Music, Biology, Chemistry, Psychology, Journalism, Physician Assistant, Pharmaceutical Sciences, Nursing, Aviation Management, and Communications Technology, as well as the combined B.S./M.S. in Occupational Therapy. The College is distinguished not only for offering a variety of majors and minors in almost every discipline but also for bringing professional programs in business, accounting, information systems management, teacher education, generic nursing, social work and allied health sciences to traditionally underserved populations.

York is home to the CUNY Aviation Institute at York College, the first CUNY institute to focus specifically on aviation studies. The U.S. Food and Drug Administration's (FDA) Northeast Regional Laboratory is located on York's campus and partners with York to provide internships, collaborative research, and job opportunities for York students. It's the largest FDA laboratory in the country except for FDA headquarters in Rockville, Maryland.

Centrally located in Queens, York College's 7,800 students represent a cross section of New York City's diverse population and hail from more than 117 different countries of birth and speak 79 different native languages. Approximately 40 percent of our students study part-time. A senior college of the City University of New York, York College offers a variety of scholarships, both merit and retention, through the York College Foundation, Student Government Association, and Auxiliary Enterprises, Inc.

