Hostos Associate Professor Yoel Rodríguez seeks new heart medicines at the Slovak Academy of Sciences in Bratislava. Page 8
ACHIEVEMENTS OF FACULTY AND STAFF

WITH THIS SPECIAL ISSUE of Salute to Scholars, The City University of New York proudly celebrates the excellence of our faculty and staff whose scholarship, initiative and accomplishments have been recognized with prestigious awards, grants and other honors during the last academic year.

These external recognitions have even greater meaning in light of the University’s special mission. We’re fortunate that our exceptionally diverse student body includes a multitude of first-generation college students, immigrants and men and women from low-income and under-represented groups. Many of our students are the first in their families to attend college. Among other things, that means that they really want to be here.

So we take special notice in these pages of the good work to increase the representation of minorities in STEM majors, to assist immigrants in navigating the complex immigration and citizenship process, to help veterans earn their college degrees, to help prison inmates reenter their communities and build productive lives, to develop mentoring programs, improve financial literacy, create mental health programs and innovate in the field of developmental education, which is so important to the success of many CUNY students. The path-breaking scholarship and research illuminated in this special Salute to Scholars set high standards of excellence and promise for all of our students.

Your commitment to providing them with the knowledge and skills to ask questions, solve problems, seek further education and help launch careers, is a great calling. I salute your hard work and achievements, and look forward to seeing the important and meaningful work you, and all of our talented faculty and staff, will do in the future.

All best wishes,

James B. Milliken, Chancellor

Andrew Grove

very student has a dream. And every teacher can be a dream maker, not only sharing the pursuit of knowledge but also mentoring and extending a helping hand when needed.

That connection between student and teacher is the essence of the educational enterprise at The City University of New York.

Andrew Grove, the visionary co-founder of Intel Corp. and City College alumnus, knew this instinctively when, a decade ago, he described CUNY as the “American Dream Machine.” At a moment of crisis in his early academic career, Grove, a poor, Hungarian Jewish refugee who barely spoke English, had reached out to a professor who responded with encouragement, an opportunity and support.

This is the essence of the American Dream Machine, not only for the young Grove, given a chance to pursue his dream of a chemical engineering degree, but for generations of students from all walks of life who strive to follow their dreams of a quality, affordable college education that prepares them to succeed.

No part of that success is more important than CUNY’s faculty and the knowledge, support and dedication they offer the many thousands of students who pass through their classrooms every year.

This issue of Salute to Scholars presents, for the first time, the names of the hundreds of faculty, as reported by their colleges, who have recently won external awards and grants for teaching and research spanning...

THE CITY UNIVERSITY

SENIOR COLLEGES:
CITY COLLEGE OF NEW YORK-1847
HUNTER COLLEGE-1870
BROOKLYN COLLEGE-1930
QUEENS COLLEGE-1937
NEW YORK CITY COLLEGE OF TECHNOLOGY-1946
COLLEGE OF ST. JUDE-1956
JOHN JAY COLLEGE OF CRIMINAL JUSTICE-1964
YORK COLLEGE-1966
BARUCH COLLEGE-1968
LEHMAN COLLEGE-1968
MEDGAR EVERS COLLEGE-1970
MACALUAY HONORS COLLEGE AT CUNY-2001
CUNY SCHOOL OF PROFESSIONAL STUDIES-2003

ON THE COVER: Hostos Community College associate professor Yoel Rodriguez is framed by a representation of a roller coaster, used to teach the physics concept of conservation of energy. He won a Fullbright Fellowship to help seek new heart medicines. Page 8.
Andrew Grove’s American Dream Machine

the sciences, social sciences and other fields. Among them are John Jay College Professor Joshua Freilich, who co-directs the United States Extremist Crime Database, which analyzes domestic crime by political extremists, with a $4 million grant from the Department of Homeland Security and $1 million from the National Institute of Justice. And CUNY demographer Deborah Balk of Baruch College, who won a $200,000 Andrew Carnegie Fellowship to research the who, why and wheres of human migration within developing countries — data critical to climate-change planning and policy.

The education professionals recognized in the pages that follow are pioneers who are making discoveries, testing theories, grappling with our greatest challenges. They and many others are the essence of a CUNY education: scholarly, talented and encouraging faculty, inspiring students to question, to strive, to learn and to succeed in the 21st century.

Grove, who died on March 21, 2016, is also celebrated for his life of meaning, achievement and generosity. His $25 million gift to the City College School of Engineering in 2005 remains one of the largest single donations in the history of the University.

“This institution,” Grove said at the time, “is a veritable American dream machine. I hope to help keep it that way.”

This American Dream Machine is his — and yours.
This special issue of Salute to Scholars honors the extraordinary faculty and staff who secured at least $411 million in grants in 2015. These dedicated educators power the CUNY Dream Machine, providing the scholarly, instructional and personal support that enables countless students to turn their dreams into reality. As they equip students to succeed, these faculty and staff members connect them with the world and the excitement of intellectual endeavor.

The incredible scope of their work in scores of countries testifies to their boundless curiosity, from curtailing HIV infection in Kenya, to digital storytelling in Finland, to uncovering primate fossils in a flooded cave in Madagascar. They work in just about every imaginable field; an electrical engineer detects biological toxins, a chemist mimics the glue that mussels use to stay in place, an economist studies how to move from rags to riches, and a physiologist asks whether single neurons need to sleep.

Consider Chester Zarnoch of Baruch College, who studies nutrient retention in restored salt marshes; Maria Contel of Brooklyn College, who researches treating prostate and kidney cancer with titanium- and gold-based drugs; Xiaowen (Sean) Zhang of the College of Staten Island, who provides research experience for undergraduates in high performance computing; Christine Rota-Donahue of Lehman College, who examines how sound frequency affects children with central auditory processing disorder; and Edgar Troudt of Kingsborough Community College, who seeks to guarantee leadership in the tourism and hospitality industries.

This issue contains a compendium of award-winners that the Office of University Relations gathered over the course of the last academic year. It includes faculty who won research grants between July 2014 and August 2015 (starting on opposite page); faculty and staff who secured institutional grants for education and public service between January and December 2015 (page 28); and recipients of institutional grants, research grants and other honors whom the Board of Trustees acknowledged between September 2015 and June 2016 (page 47). Each of these faculty and staff members has a story worth telling.
Faculty Awards

CUNY recipients of research grants and other honors, July 2014 through August 2015, as reported by their campuses; many listings are prospective.

CUNY ADVANCED SCIENCE RESEARCH CENTER
Kevin Gardner
Director, Structural Biology Initiative; Einstein Professor of Chemistry & Biochemistry
National Institutes of Health; Mechanistic principles of signal detection and transmission in bacterial two-component systems
10/1/2014 - 5/31/2017

Bruce Johnson
Sr. Research Director
Computational Science
National Institutes of Health; The Center for HIV RNA Studies (CRNA)
1/5/2015 - 8/31/2017

Rein Ulijn
Director of NanoScience; Professor
U.S. Air Force; Adaptive Nanostructures through Dynamic Molecular Systems
8/1/2015 - 7/31/2018

Charles J. Vörösmarty
Director, CUNY Environmental Crossroads Initiative; Distinguished Scientist, NOAA-CREST; Professor
National Science Foundation; WSC-CATEGORY 3: A National Energy-Water System Assessment Framework (NEWS): Stage 1 Development
7/15/2015 - 6/30/2018

BARUCH COLLEGE
Louis-Pierre Arguin
Assistant Professor
Mathematics
National Science Foundation; Statistics of Extrema in Disordered Systems and Related Models
7/15/2015 - 6/30/2018

Deborah Balk
Professor
School of Public Affairs
AXA Research Fund; Estimating City Growth, Urbanization and Climate-related Risks in the 21st Century
2/2/2015 - 2/1/2017

Anna D’Souza
Associate Professor
School of Public Affairs
Natural Sciences
U.S. Air Force; Adaptive Nanostructures through Dynamic Molecular Systems
8/1/2015 - 7/31/2018

Charles J. Vörösmarty
Director, CUNY Environmental Crossroads Initiative; Distinguished Scientist, NOAA-CREST; Professor
National Science Foundation; WSC-CATEGORY 3: A National Energy-Water System Assessment Framework (NEWS): Stage 1 Development
7/15/2015 - 6/30/2018

John Maciuika
Assistant Professor
Fine and Performing Arts
American Academy of Rome; Rome Academy Prize in Historic Preservation and Conservation
9/1/2014 - 8/31/2015

Elena Kosygina
Professor Mathematics
Simons Foundation; Simons Fellows in Mathematics: Stochastic Processes in Random Environments
7/1/2014 - 8/31/2015

Stuart Schulman
Professor Management
Verizon Foundation; Smart-Pitch Challenge 2015: Building Outreach and Capacity
5/1/2015 - 8/31/2015

Steven Young
Assistant Professor
Psychology
Miami University; The Face of Humanity- Configural Face Processing and Prejudice Regulation
9/1/2014 - 8/31/2017

Chester Zarnoch
Assistant Professor
Natural Sciences
Hudson River Foundation; Mechanisms of Nutrient Retention in Restored Salt Marshes
5/1/2015 - 4/30/2017

BOROUGH OF MANHATTAN COMMUNITY COLLEGE
Cheryl J. Fish
Professor
English
Calvin B. Grimes
Scholar-in-Residence Program; The summer 2015 Calvin B. Grimes Scholar-in-Residence at the NYU Faculty Resource Network
6/1/2015 - 6/30/2015

Jun Liang
Assistant Professor
Science
National Institutes of Health (NIH); Novel function of chloride intracellular channel protein (CLIC) and TGF-beta signaling in stress response and health span in Caenorhabditis elegans

Hao Tang
Assistant Professor
Computer Information Systems
DHS Science and Technology (S&T) Directorate Office of University Programs; U.S. Dept. of Homeland Security Summer Research Team Program for Minority Serving Institutions
5/1/2015 - 8/31/2015

Elizabeth Whitney
Professor
Speech, Communications and Theatre Arts
University of Turku and the Finnish Fulbright Center in Helsinki; Arts Funding, Shared Values, and Digital Storytelling: A Comparative Approach Between the United States and Finland
9/1/2015 - 6/1/2015

Barbara R. Yetman
Professor
Psychology
University of Florida; Estimating City Growth, Urbanization and Climate-related Risks in the 21st Century
2/2/2015 - 2/1/2017

Deborah Balk
Professor
School of Public Affairs
AXA Research Fund; Estimating City Growth, Urbanization and Climate-related Risks in the 21st Century
2/2/2015 - 2/1/2017

Anna D’Souza
Associate Professor
School of Public Affairs
Natural Sciences
U.S. Air Force; Adaptive Nanostructures through Dynamic Molecular Systems
8/1/2015 - 7/31/2018

Charles J. Vörösmarty
Director, CUNY Environmental Crossroads Initiative; Distinguished Scientist, NOAA-CREST; Professor
National Science Foundation; WSC-CATEGORY 3: A National Energy-Water System Assessment Framework (NEWS): Stage 1 Development
7/15/2015 - 6/30/2018

John Maciuika
Assistant Professor
Fine and Performing Arts
American Academy of Rome; Rome Academy Prize in Historic Preservation and Conservation
9/1/2014 - 8/31/2015

Elena Kosygina
Professor Mathematics
Simons Foundation; Simons Fellows in Mathematics: Stochastic Processes in Random Environments
7/1/2014 - 8/31/2015

Stuart Schulman
Professor Management
Verizon Foundation; Smart-Pitch Challenge 2015: Building Outreach and Capacity
5/1/2015 - 8/31/2015

Steven Young
Assistant Professor
Psychology
Miami University; The Face of Humanity- Configural Face Processing and Prejudice Regulation
9/1/2014 - 8/31/2017

Chester Zarnoch
Assistant Professor
Natural Sciences
Hudson River Foundation; Mechanisms of Nutrient Retention in Restored Salt Marshes
5/1/2015 - 4/30/2017

BOROUGH OF MANHATTAN COMMUNITY COLLEGE
Cheryl J. Fish
Professor
English
Calvin B. Grimes
Scholar-in-Residence Program; The summer 2015 Calvin B. Grimes Scholar-in-Residence at the NYU Faculty Resource Network
6/1/2015 - 6/30/2015

Jun Liang
Assistant Professor
Science
National Institutes of Health (NIH); Novel function of chloride intracellular channel protein (CLIC) and TGF-beta signaling in stress response and health span in Caenorhabditis elegans

Hao Tang
Assistant Professor
Computer Information Systems
DHS Science and Technology (S&T) Directorate Office of University Programs; U.S. Dept. of Homeland Security Summer Research Team Program for Minority Serving Institutions
5/1/2015 - 8/31/2015

Elizabeth Whitney
Professor
Speech, Communications and Theatre Arts
University of Turku and the Finnish Fulbright Center in Helsinki; Arts Funding, Shared Values, and Digital Storytelling: A Comparative Approach Between the United States and Finland
9/1/2015 - 6/1/2015
CUNY 2016 AWARD RECIPIENTS

BRONX COMMUNITY COLLEGE
Lisa Amowitz
Professor Art & Music
Independent Publisher
Book Awards; Moonbeam
Children’s Book Award
(Gold Medal for the category
of Young Adult Horror/
Mystery) 9/1/2014

Sunil Bhaskaran
Associate Professor
Chemistry & Chemical Technology
Digital Globe Foundation;
Satellite Imagery Grants
6/1/2015 - 6/30/2017

William deLong-Lambert
Associate Professor
History, The American Philosophical Society; Franklin Research Grant
7/1/2015 - 6/30/2016

Vicki Flaris
Professor
Chemistry & Chemical Technology
U.S. Department of Agriculture; The Food Materials Mentoring Program in New York
9/1/2015 - 8/31/2019

Debra Gonsher
Professor
Communication Arts & Sciences
ABC TV; Documentary, “Every Word Has Power” 1/3/2015 - 11/1/2015

Aaron Socha
Associate Professor
Chemistry & Chemical Technology
National Science Foundation; Innovation corps: Bionic Liquids
7/1/2014 - 12/31/2015

BROOKLYN COLLEGE
Jennifer Basil
Professor Biology
P/FOUND/U.S.-Israel Bional Science Foundation; The origin of learning and memory system of advanced invertebrates study in an ancestral Cephalopod–the Nautilus
10/1/2014 - 9/30/2015

Nicolas Bias
Assistant Professor Biology
National Institutes of Health;
Mechanobiology of Neisseria Microcolonies, 7/1/2015 - 6/30/2015
National Institutes of Health;
Mechanobiology of Neisseria Microcolonies, 7/1/2015 - 6/30/2016
University of Arizona; Type IV Pilus: A Switch that Determines Consequences of Neisseria Colonization
8/8/2014 - 7/31/2015

Gregory Boutis
Associate Professor Physics
National Institutes of Health;
NMR Studies of the effects of mode of birth on vaginal elastin
2/1/2015 - 1/31/2016

Brett Branco
Assistant Professor Earth & Environmental Science
Science and Resilience Institute of Jamaica Bay;
Detecting water quality regime shifts in Jamaica Bay (post-Hurricane Sandy), 10/1/2014 - 9/30/2015
National Park Service;
Response of Benthic Infauna to Marsh Restoration in Jamaica Bay
7/25/2014 - 6/30/2015

Zhongqi Cheng
Associate Professor Earth & Environmental Science, USDA-NRCS;
Collaborative with Brooklyn College to produce a publication entitled “Soil Systems of New York City;”
9/23/2014 - 12/31/2016

Elizabeth Chua
Assistant Professor Psychology
National Institutes of Health;
Cognitive and Neural Bases of Memory Confidence and Accuracy, 7/1/2014 - 5/31/2015
National Institutes of Health;
Cognitive and Neural Bases of Memory Confidence and Accuracy
6/1/2015 - 5/31/2016

Tracy Chu
Assistant Professor Health and Nutrition Sciences Fordham University (NIH R 15) subaward;
Social Networks of West African Forced Migrants, 8/18/2014 - 7/31/2016
National Institutes of Health;
The Social Ecology of Sleep Environments among Non-Hispanic Infants
7/28/2015 - 6/30/2017

Maria Contel
Associate Professor Chemistry
National Institutes of Health;
Titanium-gold-based chemotherapeutics for prostate and kidney cancer
7/1/2014 - 6/30/2015

Guillermo Geron-Avanzo
Assistant Professor Chemistry
National Institutes of Health;
Chemical Probes Targeting Polycomb Repressive Complex 2 Gene Repression
8/1/2014 - 4/30/2015

Andrew Deamater
Professor Psychology
National Institutes of Health;
A Multi-Component Approach to Extinction in Pavlovian Learning
6/1/2015 - 5/31/2016

Terry Dowd
Associate Professor Chemistry
Albert Einstein College of Medicine; Structure-Function Relationship of Connexins Disease Mutations,
9/1/2014 - 8/31/2015

Jennifer Drake
Assistant Professor Psychology
Templeton University; Assessing and Fostering Visual Imagination Through Drawing
7/1/2015 - 6/30/2016

Paul Forlano
Assistant Professor Biology,
National Science Foundation; Collaborative Research of Mechanisms
in the Localization of Sound Source 
Additionally, the code Language is None
Yoel Rodríguez
Hostos Community College
Fulbright Fellowship
MEDICAL SCIENCE can relieve the symptoms of heart disease, the leading cause of death in the United States, but so far it can’t cure heart failure or significantly improve heart function.

Computational biophysicist Yoel Rodríguez, an associate professor of physical sciences at Hostos Community College, hopes to help change that. With a 2016-2017 Fulbright Fellowship, he is joining a team that is seeking new medications at the Institute of Experimental Pharmacology and Toxicology of the Slovak Academy of Sciences in Bratislava.

“There are millions of molecules that they could screen experimentally, but it would be very costly and time-consuming,” he explains. “Using a computer, we may be able to predict, cost-time effectively, which molecules will bind to a specific target we’re looking at. Chemists can synthesize those molecules, and then the biologists can test to see if they work. Computer modeling also can help optimize molecules that show the most promise.”

Led by medicinal chemist Magdalena Majekova, the team of chemists, biochemists and structural biologists explores one possible path to treatment, improving calcium cycling inside heart and vascular cells. They look at SERCA, an enzyme present in many biological functions, from gene expression to muscle contraction. She had asked Fulbright to find someone with expertise in computational biology just as Rodríguez applied for his fellowship.

He joined Hostos as an adjunct in 2007 and won a full-time appointment the next year; he teaches physics, chemistry and environmental sciences. He earned his bachelor’s in physical chemistry in his native Cuba, his doctorate in metabolic networks dynamics in Spain, and a post-doctoral fellowship in theoretical and computational biophysics at Mount Sinai School of Medicine in New York. He still works at Mount Sinai, researching epigenetics (the study of inheritable changes in gene function that do not involve changes in DNA sequence) in cancer. He and his colleagues recently wrote papers on breast cancer biology and cardiovascular research.

In 2015-2016, four Hostos undergraduates joined in his research; three presented at the 2015 Annual Biomedical Research Conference for Minority Students in Seattle. One of them, Wendy Fernández, won an award there and graduated as Hostos’ 2016 valedictorian in the dual-degree electrical engineering program with City College; she intends to go on for a doctorate.

“I want my students to succeed,” Rodríguez says. “That’s why I’m here.”

“I have two passions: teaching and research,” says Yoel Rodríguez. He coordinates a Hostos program aimed at improving diversity in the STEM disciplines; it equips ill-prepared students, particularly those from minority backgrounds, for engineering and science careers. He also has applied for a federal grant to provide scholarships to academically gifted, low-income students.
UNY DEMOGRAPHER Deborah Balk starts with these givens: Climate change is happening, cities are growing and the urban poor in the poorest countries face the greatest risk. Since the risk is not equal everywhere, policies affecting urban growth and adaptation to climate change need to be guided by spatially specific information. Without such data, governments and development agencies cannot rationally decide where to build housing, route transportation or concede territory to natural forces.

The Carnegie Corporation of New York awarded Balk a $200,000 Andrew Carnegie Fellowship to explore a critical, but little-studied, piece of the puzzle – internal migration: Who moves to cities in the developing world from their countrysides or towns, and why? She was among 33 winners in 2016 chosen from nearly 200 nominations.

A professor at Baruch College, Balk also is associate director of the CUNY Institute for Demographic Research, where core faculty from Baruch, Hunter and Queens Colleges, the CUNY School of Public Health and the CUNY Graduate Center work with other CUNY professors. Her specialty is spatial demography and the integration of earth and social science data and methods to address interdisciplinary policy questions.

Her ambitious project description envisions looking at “most developing countries” in Asia, Africa, and Latin America and generating “estimates of migrants-at-risk and newly settled areas, by various types of climate-related risks (low elevation coastal zones, flood- or drought-prone areas) in destination cities or urban agglomerations, and, where possible, characterize the climate-related drivers of out-migration areas.”

Migration’s causes can be evident, as in the Maldives, 26 low-lying atolls that are fast disappearing beneath the rising Indian Ocean. But it is rarely so clear. Balk’s approach combines census, survey and satellite data and, she says, is “broad-scale, systematic, and repeatable across the globe.”

One fast-growing urban area facing climate trouble is Vietnam’s Ho Chi Minh City, which is near sea level but expanding on swampland. Many Indian cities confront both coastal flooding and drought. Bangladesh’s capital, Dhaka, should embrace regional planning or risk expanding on flood-prone land, she says, but that’s easier said than done.

“Even in the U.S., we don’t do regional planning well, especially across municipal, county and state lines. So how can we expect it in coastal West Africa, which will likely become one multinational urban agglomeration in 50 years, stretching from Lagos [Nigeria] through Benin, Togo, and Ghana to the Ivory Coast? Planning for that will be much harder, especially without an evidence base for policy-making.”

That’s what her project is all about.

“We have a tendency to think that every event has to be a major earthquake, but a lot of change takes place more slowly, as does the scientific work needed to understand it.”

— Deborah Balk
— Deborah Balk
Baruch College
Andrew Carnegie Fellowship
“The shah’s secret police, SAVAK, invaded my home and saw my books. They arrested me and they arrested my friends. But my father knew the head of SAVAK in my city. He was making a rug for him. If not for that connection, I would have gone to prison.”

— Reza Fakhari
Aiding Amnesty International’s Fight for Basic Human Rights

Reza Fakhari first became aware of Amnesty International when he was a teenager in Iran in the early 1970s. “Under the shah, a lot of young people were arrested, tortured, forced to make confessions,” he says. “Amnesty International was advocating on their behalf, and I promised myself that one day, if I could do something to help Amnesty, I would.”

Fakhari became a dissident of sorts himself, arrested when he was 18. “I read a lot of writings of political prisoners and books about sociology and religion,” Fakhari recalls. When SAVAK, the dreaded secret police, raided his home and arrested him, only a chance connection of his father enabled him to avoid prison. “Instead, I was told to leave the country right away.”

Years later, he kept his promise to himself. In 2000, when he was a professor of social sciences at LaGuardia Community College, Fakhari established a chapter of Amnesty International at LaGuardia Community College. And in 2014 he was elected vice chairman of Amnesty International USA.

Fakhari is now assistant vice president for academic affairs and associate provost at Kingsborough Community College, a campus with many students of diverse national backgrounds whose childhoods were not unlike his. Fakhari grew up in a small Iranian city, the son of a rug maker with no formal education. He was determined to be the first in his family to go to college, and he had his eyes on the United States.

Fakhari arrived here in March 1973 and enrolled at a small college in Minnesota as a chemistry major with plans for medical school. But he switched from hard science to social science and eventually came to New York to earn his master’s and doctorate in international relations at the New School. “I always wanted to go back to Iran and serve my people,” he says. “But after the revolution in 1979, Iran became even more repressive than under the shah and I couldn’t go back. I wasn’t able to see my parents for 10 years.”

Fakhari began his teaching career at Fordham University and began teaching at CUNY in 1987 as a professor of social sciences at LaGuardia. Over the next two decades, he became known for elevating world affairs as an academic area and bringing global human rights to the forefront of concerns for students. Fakhari built up an international studies program at LaGuardia, and the Amnesty International chapter he started there hosted a major human rights conference — “Teach Truth to Power” — whose keynote speaker was Caroline Kennedy.

Fakhari moved to Kingsborough in 2005, continuing his leadership on a campus whose students have 142 national heritages. As chairman of the board of Student World Assembly, a global organization that promotes democracy and human rights, Fakhari has organized numerous campaigns and causes at Kingsborough and beyond. The programs he has conceived and implemented have helped students become better global citizens and more engaged in the struggle for human rights in all its forms — civil, economic, democratic and religious. The work eventually led to his election as an Amnesty USA board member and then its vice chairman.

“Our life’s purpose is to help others, and Amnesty International is at the forefront of fighting for basic and equal human rights globally,” Kingsborough President Farley Herzek says. “Dr. Fakhari’s election as board vice chair brings this work close to home for us at KCC, where many of our students come from places where human rights issues are of concern.”

Fakhari told Kingsborough’s student newspaper, Scepter, that students sometimes stop him on campus and thank him for being the kind of educator whose devotion to good transcends his role as associate provost. “These human rights issues are so important to them,” he said, “and they are very proud that the Kingsborough community is at that high level.”
Searching for a New Method To Find Nuclear Contraband

AFTER THE Sept. 11 terrorist attacks, Congress passed three laws to tighten security at U.S. ports, where hundreds of thousands of cargo containers arrived unscreened – the perfect scenario for smuggling nuclear materials and making dirty bombs. The threat remains, the U.S. General Accountability Office found in 2014, partly because Homeland Security had to scrap a $3 billion next-generation radiation-detector program after spending $280 million on development.

Two York College physicists are developing a partial – and far cheaper – solution under a three-year, $300,000 grant from the Air Force Office of Scientific Research.

Professors James Popp and Kevin Lynch of York’s Department of Earth and Physical Science don’t rely on bulky, power-hungry X-ray equipment or, like the scuttled federal program and current port monitors, on the rare helium-3 isotope.

“Rather than using specialized physics particle detectors, which are one-off specialty items, we use standard components in a device that’s the size of a breadbox” Lynch says. They leverage advances in smart phone electronics – literally the computer that runs your smart phone – and the latest developments in high-energy physics. And rather than seeking neutrons emitted by radioactive materials, like the abandoned federal system, they harness muons. These are naturally occurring particles formed when cosmic rays collide with atoms in the atmosphere.

Muons deflect only slightly when they pass through an object – except if it is unusually dense, like metallic shielding around radioactive materials. Detectors placed on opposite sides of a container will reveal the shape of what’s inside slice by slice, vaguely like a medical MRI body scan.

The professors are building a proof-of-concept prototype, after spending a year on design and component selection.

Separately, the Department of Energy and the Fermi National Accelerator Laboratory fund their participation in the “Mu2e” experiment, a collaborative search by several hundred physicists and engineers for a theoretical quirk in muon behavior.

A muon typically decays into an electron, a neutrino and an antineutrino. However, certain theoretical models predict that in rare instances (less than one in 10 to the 16th events – or 1 followed by 16 zeroes) muons will decay into electrons without producing neutrinos and antineutrinos and generate electrons with a unique energy signature. The Mu2e experiment is designed for 10 to the 17th power sensitivity, 10,000 times more accurate than the current 10 to the 13th power state-of-the-art.

Popp and Lynch are assembling several critical components of a one-of-a-kind, high-resolution, particle-tracking detector to measure the energy of electrons created by muon decay – and spot that unique energy signature, if it exists. Their detector is “a 10-foot-long collection of 22,000, three-foot, metal-coated drinking straw-size tubes that are filled with gas and have a wire in the middle,” Lynch says.

Regardless of the results, Mu2e will have a major impact on the understanding of the fundamental laws of physics. If the experiment fails to find neutrino-free decay, it would undercut scores of Grand Unified Theories – theories that seek to merge three of the universe’s four fundamental forces (electromagnetic, weak and strong, but not gravity) into a single force, as may have existed when the universe was born in the Big Bang. That would be real science.

But if Mu2e does indeed find neutrino-free muon decays, “It would be spectacular, a major discovery,” Popp says.

York’s Kevin Lynch likens his and James Popp’s high-energy physics experiment to knowing “not a single one of the 100 billion people who have lived in the history of the planet had blue hair, and then you find one with blue hair. You’d have to rewrite the rules of genetics.”

— Kevin Lynch and James Popp

York College
Air Force Office of Scientific Research, Department of Energy, Fermi National Accelerator Laboratory Grants
Myung Jong Lee
Professor
Electrical Engineering
Electronics and Telecommunications Research Institute;
Research on a MAC Protocol for Fully Distributed D2D System and Its Standardization,
8/1/2014 - 5/31/2016

Taehun Lee
Associate Professor
Mechanical Engineering
UChicago Argonne LLC;
Lattice-Boltzman Method (LBM)
Simulation of Two-Phase Boiling Phenomena,
1/15/2015 - 9/30/2015

Jonathan Levitt
Professor
Biology
New York University; The Canonical Cortical Micro-circuit: An Ultrastructural Re-examination
8/1/2014 - 7/31/2015

Zhengzhao Luo
Associate Professor
Earth and Atmospheric Sciences
Jet Propulsion Laboratory;
CloudSat Precipitation Study,
10/14/2014 - 12/31/2015

Nicholas Madamopoulos
Associate Professor
Electrical Engineering
National Science Foundation;
Collaborative Research: Smart Prismatic-Louver Technology for Enhanced Daylighting and Management of Thermal Loads in Green Buildings
8/1/2015 - 7/31/2018

Charles Maldarelli
Professor
Chemical Engineering
National Science Foundation;
UNS: Surfactant Herders for Containment and Remediation of Maritime Oil Spills,
7/1/2015 - 6/30/2018

Alice Medvedev
Assistant Professor
Mathematics
National Science Foundation; Model Theory and Difference Algebra,
7/1/2015 - 6/30/2018

Rajan Menon
Professor
Political Science
Columbia University;
Rimlands, Buffer Zones and Great Power Rivalry
10/1/2014 - 9/30/2015

Vinod Menon
Professor
Physics
National Science Foundation;
Collaborative Research: Energy Transfer in Strongly Coupled Hybrid Organic-Inorganic Systems,
7/1/2014 - 6/30/2017

National Science Foundation;
EFRI 2-DARE: Excitronics and Polaritonics using 2D materials (ExPo2D),
8/1/2015 - 7/31/2019

Carlos Meriles
Professor
Chemistry
National Science Foundation;
Physics;
1-Corps: Injectable Cellulosic Hydrogels for Intervertebral Disc Repair
7/15/2015 - 12/31/2015

Stephen O'Brien
Professor
Chemistry
National Science Foundation;
I-Corps: Injectable Cellulosic Hydrogels for Intervertebral Disc Repair
7/15/2015 - 12/31/2015

Peter Romanov
Senior Research Associate Engineer
University of Maryland;
Uniform Multi-Sensor Support for NPP VIIRS Science & Management
7/1/2014 - 6/30/2016

Mitchell Schaffner
Distinguished Professor
Biomedical Engineering
Princeton University; Proto-Type II-VI Quantum Well-Based Unipolar Mid-Infrared Photodetectors,
7/1/2014 - 12/31/2015

Sang-Woo Seo
Associate Professor
Electrical Engineering
Rutgers University; Targeted Transcranial Electric Stimulation
8/1/2014 - 12/31/2015

Mark Shattuck
Professor Physics
National Science Foundation;
Collaborative Research: Mechanics of Granular Acoustic Meta-Materials with Engineered Particles and Packings
4/15/2015 - 3/31/2018

Christine Sheffer
Associate Medical Professor
Community Health & Social Medicine
National Institutes of Health; Enhancing Relapse Prevention for Smoking Cessation with rTMS,
9/10/2014 - 8/31/2015

Aidong Shen
Professor
Electrical Engineering
Princeton University; Proto-Type II-VI Quantum Well-Based Unipolar Mid-Infrared Photodetectors,
7/1/2014 - 12/31/2015

Ruth Stark
Distinguished Professor
Chemistry
National Science Foundation;
Constructing Plant Cuticle Barriers: From Molecular Architecture to Mechanical Integrity
7/1/2014 - 6/30/2019

Nancy Tag
Professor
Media & Communication Arts
National Institutes of Health; Social Marketing Communications Campaign to Increase Vaccination Rates Among Mexican Immigrants
9/1/2014 - 8/31/2018
YingLi Tian
Professor
Electrical Engineering
National Science Foundation; CHS: Medium: Collaborative Research: Immediate Feedback to Support Learning American Sign Language through Multisensory Recognition
9/1/2014 - 8/31/2018

Brian Tiburzi
Assistant Professor
Physics
National Science Foundation; National Science Foundation; i-Corps: Novel Vortex Raman Spectrometers for Materials, Clean Energy and Biological Applications
12/1/2014 - 11/30/2015

Jufeng Tu
Associate Professor
Physics
National Science Foundation; i-Corps: Novel Vortex Raman Spectrometers for Materials, Clean Energy and Biological Applications
6/1/2015 - 5/31/2016

Maria Tzortziou
Associate Professor
Earth and atmospheric Sciences
Pennsylvania State University; The Carbon Budget of Tidal Wetlands and Estuaries of the Contiguous United States: A Synthesis Approach
8/1/2014 - 7/31/2016

Ioana Voiculescu
Associate Professor
Mechanical Engineering
National Science Foundation; i-Corps Teams: Novel Lab on Chip QCM and ECIS Sensor with Multiple Applications

Zhigang Zhu
Professor
Computer Science

College of Staten Island
Zaghloul Ahmed
Associate Professor
Physical Therapy
NYS/DOH; Investigating the Effects of Trans-Spinal Direct Current Stimulation on Muscle Tone and Functional Recovery in Mice with Spinal Cord Injury
10/1/2014 - 2/28/2015

Hoau-Yan Wang
Associate Medical Professor
Physiology, Pharmacology & Neuroscience
Rush University Medical Center; Mechanisms Linking Insulin Resistance to Brain Structure, Pathology and Function
7/1/2014 - 6/30/2015

Sihong Wang
Associate Professor
Biomedical Engineering
The Pershing Square Foundation; Preclinical Validation of 3D Microfluidic Human Tumor Arrays, 7/1/2014 - 6/30/2016

Patricia J. Brooks
Professor
History
New-York Historical Society; Andrew W. Mellon Foundation Fellowship
9/1/2014 - 6/30/2015

Karen A. Parker
Professor
History
New-York Historical Society; Andrew W. Mellon Foundation Fellowship
9/1/2014 - 6/30/2015

John M. Dixon
Assistant Professor
History
NYU; Senior Research Scholarship from the Goldstein-Goren Center for American Jewish History, 9/1/2015 - 5/31/2016

Michael Mandiberg
Assistant Professor
History
Goldstein-Goren Center for American Jewish History, 9/1/2015 - 5/31/2016

CUNY 2016 AWARD RECIPIENTS 17
If you want a tennis racquet that generates more torque when it hits the ball or a plastic that flexes in extreme cold, call a materials scientist. But how do you build the scientists, themselves, particularly at a university with a sizable minority population that hasn’t known about this select field?

The answer may lie in a $5 million National Science Foundation grant won by City College chemistry professor Maria Tamargo and her colleagues. Payable over five years and renewable for another five, the grant from NSF’s Centers for Research Excellence in Science and Technology aims at increasing minority participation in the sciences.

Tamargo’s funding supports a new Center for Interface Design and Engineered Assembly of Low-dimensional Systems (IDEALS) that opened at City College in April 2016. In plain language, it teaches students how to build really small stuff that does really cool things. Things in zero, one and two dimensions (yes, that makes sense to materials scientists): Dots, crystals, wires, wells, barriers and tubes needed for lasers, solar cells, TV screens and even cosmetics. They can treat cancer and are the brains of quantum computers.

The center will create a two-year professional master’s in materials science and lays the groundwork for an eventual Ph.D. program. It includes internships and other career-development opportunities. Students will learn to transform laboratory concepts into real-world products through patent writing and entrepreneurship training. They will graduate job-ready.

Another goal is to solidify CUNY’s position in the vanguard of materials science research which, she explains, “happens at the interface between physics, chemistry and engineering. We synthesize new materials, investigate their structure and behavior and explore their applications. Materials science attracts talented students with the promise of good-paying, continually interesting jobs, and we’ve got those students.” In 2014, the U.S. Bureau of Labor Statistics tallied 25,300 materials engineers earning a median salary of $91,310. “We have a nucleus of people who can teach it, though we aren’t organized as a department.”

She has four multi-disciplinary co-principal investigators: physics professors Lia Krusin-Elbaum and Swapan Gayen and chemical engineering professor Ilona Kretzschmar of City College, plus physical chemistry professor Gustavo Lopez of Lehman College. Fifteen other professors also participate.

Tamargo’s own research is in semiconductor synthesis via molecular beam epitaxy, a process that lays down layers of crystals in high vacuum to make the chips that run sophisticated electronic devices. “We can deposit ultra-thin layers with different properties and stack them in precise ways to give them unprecedented properties,” she explains.

“This is a transformative program that will have an impact on our institution even after funding for the center ends.”

— Maria Tamargo

Christina M. Tortora
Professor; Distinguished Fellow Advanced Research Collaborative English CUNY; Bringing Grammatical Diversity to the Language Arts, Classroom: Pedagogical Use of the Audio-Aligned and Parsed Corpus of Appalachian English 8/26/2015 - 2/29/2016

Simone Wegge
Associate Professor Economics NEH; Moving Beyond Rags to Riches 7/1/2013 - 8/31/2014

John Wing
Assistant Professor History The Feliks Gross Endowment Award 5/1/2015 - 4/30/2016

Xiaowen (Sean) Zhang
Assistant Professor Computer Science National Science Foundation; REU Site: Research Experience for Undergraduate in Computational Methods in High Performance Computing with Applications to Computer Science, 10/1/2014 - 9/30/2017

THE CUNY GRADUATE CENTER
Andre Aciman
Distinguished Professor Comparative Literature Fondazione Pescarabruzzo; 2014 NordSud International Prize for Literature and Science, 10/27/2014

Juliette Blevins
Professor Linguistics Empirical Foundations of Linguistics: data, methods, models; 2016; International Chairship at the Laboratoires d’excellence in France, 7/17/2015
Matthew Gold
Associate Professor
MA Program in Liberal Studies
National Endowment for the Humanities (NEH); Project Director of NEH Digital Humanities Start-up Grant, “DH Box,” 5/1/2015 - 6/30/2016,
Andrew W. Mellon Foundation; Co-Principal Investigator “Manifold Scholarship,”
4/1/2015 - 3/31/2018
Andrew W. Mellon Foundation

Jean Graham-Jones
Professor
Theatre
The International Federation for Theatre Research; President 2015-2017, 11/30/2014

Dagmar Herzog
Distinguished Professor
History
The Holocaust Educational Foundation; Distinguished Achievement Award in Holocaust Studies, 11/1/2014

Wendy Luttrell
Professor
Urban Education
American Council of Learned Societies (ACLS); “Careful Visions: Re-imaging Education Through Working-Class Children’s Eyes,”
7/30/2015 - 7/30/2016

Gita Martohardjono
Associate Professor
Linguistics
New York City Department of Education; ELL (English Language Learners) Periodic Assessments, Native Language Tasks (Chinese),
7/1/2015 - 6/30/2018

Ruth Milkman
Distinguished Professor
Sociology
American Sociological Association; President for 2015-16 (President-Elect 2014-15), 6/12/2014

John Mollenkopf
Distinguished Professor
Political Science
Philanthropy New York - Clark Foundation, Helmsley Foundation; Co-organizer of The “Strengthening Communities Summit,” 3/2/2015

Leith Mullings
Distinguished Professor
Anthropology
Carnegie Corporation of New York, Andrew Carnegie Fellow; “Racism and Anti-Racist Horizons in the Americas,”
5/1/2015-5/1/2017

David Nasaw
Arthur M. Schlesinger Professor History
Society of American Historians; 2014-15 President, 5/7/2014

John Torpey
Presidential Professor
Sociology
Eastern Sociological Society; President Elect 2015-2016/ President 2016-2017, 12/23/2014

Tony Ro
Presidential Professor
Psychology
National Science Foundation; Cortical Mechanisms for Visual Perception,
6/15/2014 - 10/31/2015

David Savran
Vera Mowry Roberts Chair in American Theatre
American Society for Theatre Research; Distinguished Scholar Award, 11/20/2014

Richard Schwartz
Presidential Professor
Speech-Language-Hearing Sciences
American Speech-Language-Hearing Association; The Honors of the Association, 11/30/2014

Dennis Sullivan
Distinguished Professor
Mathematics
Balzan Prize; 2014 Balzan Prize, 11/30/2014

Lucien Szpiro
Distinguished Professor
Mathematics
Academia Europaea; Elected as Member of Academia Europaea, 1/31/201

John Torpey
Presidential Professor
Sociology
Eastern Sociological Society; President Elect 2015-2016/ President 2016-2017, 12/23/2014

Susan Bryant
Professor
Society of American Law Teachers (SALT); Great Teacher Award, 8/26/2015

Julie Goldscheid
Senior Associate Dean of Academic Affairs and Professor of Law
American Bar Association; 20/20 Vision Award, 8/1/2015

Nicholas Freudenberg
Distinguished Professor
Levitt Foundation; East Harlem Youth Food Educators,
2/1/2015 - 1/31/2016

Terry T.-K. Huang
Professor
Health-Weight Commitment Foundation; Assessing Industry Investment on Community-Based Healthy Eating, Active Living and Healthy Weight Initiatives: A Research Partnership Proposal, 1/22/2015 - 1/21/2018

Levi Waldron
Assistant Professor
National Institutes of Health; Integrative and Scalable Solutions in R/Bioconductor,
9/1/2014 - 8/31/2019

Fred Hutchinson Cancer Research Center; Cancer Genomics: Integrative and Scalable Solutions in R/Bioconductor
9/1/2014 - 8/31/2015

HOSTOS COMMUNITY COLLEGE
Vyacheslav Dushehkov
Assistant Professor
Natural Sciences
Rutgers, The State University of New Jersey; Center for Botanical Metabolic Syndrome
6/1/2014 - 5/31/2015

Linda Ridley
Lecturer
English
Carnegie Foundation for the Advancement of Teaching and Council for Advancement and Support of Education; New York State Professor of the Year, 11/20/2014

Mohammad Sohel
Associate Professor
Natural Sciences
U.S. Department of Energy’s Visiting Faculty Program at Brookhaven National Laboratory; Department of Energy’s Visiting Faculty Program, 7/1/2015

Anders Stachelek
Assistant Professor
Mathematics
American Mathematical Association of Two-Year Colleges Project ACCCESS Fellow; Project ACCCESS Fellow, 9/1/2015 - 5/1/2017

20 CUNY 2016 AWARD RECIPIENTS
Mandè Holford  
Associate Professor  
Chemistry  
National Academy of Sciences; Arab-American Frontiers Fellowship,  
6/1/2015 - 6/30/2015

Michael Hoyt  
Assistant Professor  
Psychology  
PHS/NIH/National Cancer Institute; Emotion-Regulation, Inflammatory Processes and Depression in Prostate Cancer Survivors,  
9/1/2014 - 8/31/2015

Corina Leului-Winberger  
Research Associate Psychology  
PHS/NIH/Fogarty International Center; Building Mobile Health HIV-Prevention Capacity for MSM in Romania,  
9/10/2014 - 4/30/2015

Peter Marcatutillo  
Professor  
Geography  
Orange County New York State; Regional Sustainability Plan-Implementation Project,  
9/1/2014 - 12/31/2015

Edwin Melendez  
Professor and Director  
Center for Puerto Rican Studies  
New York State Education Department; Conservation Preservation Discretionary Grant,  
7/1/2014 - 6/30/2015

Denis Nash  
Professor  
Urban Public Health  
Health Research Inc.; End of the Epidemic,  
4/1/2015 - 3/31/2016 Education Development Center, Inc.; Maximizing Online Dissemination and E-learning of HIV Care Strategies,  
7/1/2014 - 3/31/2015

Benjamin Ortiz  
Associate Professor  
Biological Sciences  
American Association of Immunologists; Careers in Immunology Fellowship,  
10/1/2014 - 8/31/2015

Jeffrey T. Parsons  
Distinguished Professor  
Psychology  
Yale University/NIH; Intervention Development for Social Stress, Mental Health and HIV Risk Among MSM,  
7/1/2013 - 4/30/2014 PHS/NIH/National Institute on Drug Abuse; Syndemics Resilience for HIV Transmission in a National Sample of Vulnerable Men,  

Brian Pavilionis  
Assistant Professor  
Urban Public Health  
NIOSH; Occupational Exposure to cooking fumes in restaurant kitchens in NYC,  
6/5/2015 - 6/30/2016

Jayne Raper  
Professor  
Biological Sciences  
Ayco Charitable Foundation/ Jayne and Neil Charitable Fund; Study of Infectious Disease,  
7/1/2015 - 6/30/2016

Jonathan Redina  
Research Scientist  
Senior Data Analyst Psychology  
National Institutes of Health/National Institute on Drug Abuse; Developing a Mobile Emotion Regulation Intervention for HIV-Positive Men,  
4/1/2015 - 3/31/2016

William Solecki  
Professor  
Geography  
U.S. Department of the Interior/National Park Service; Science & Resilience Institute at Jamaica Bay,  

Ioannis Stamos  
Senior Data Analyst  
Research Scientist and  
Computer Science  
Google Inc.; Research at Google  
7/1/2014 - 6/30/2015 Google Inc.; Classification of Vehicles in Points Clouds of Urban Scenes,  
2/1/2015 - 1/31/2016

Lei Xie  
Associate Professor  
Computer Science  
PHS/NIH/National Library of Medicine; Drug Discovery by Integrating Chemical Genomics and Structural Systems Biology,  
9/1/2014 - 8/31/2015

Ming-Chin Yeh  
Associate Professor  
Urban Public Health  
U.S. Department of Veterans Affairs; Approaches to Prevent Cardiovascular Disease in Veterans,  
10/1/2013 - 8/31/2014

Elizabeth Kelvin  
Assistant Professor  
Urban Public Health  
International Initiative for Impact Evaluation Inc.; Randomized Controlled Trial: Self-Administered Oral HIV Testing-Truck Drivers in Kenya,  
11/1/2014 - 10/31/2015

Karen Koellner  
Associate Professor  
Curriculum and Teaching  
University of Colorado/ National Science Foundation; An Efficacy Study of the Learning & Teaching Geometry Professional Development Materials,  
7/1/2015 - 6/30/2017

Alexis Kuerbis  
Assistant Professor  
Social Work  
Feinstein Institute for Medical Research; Component Analysis of Motivational Interviewing,  
9/1/2014 - 8/31/2015

Rufina Lee  
Assistant Professor  
Social Work  
Research Foundation for Mental Hygiene Inc.; First Episode Program (FEP),  
5/1/2014 - 12/31/2014

R. Jay Zeigler  
Assistant Professor  
Chemistry  
City College of New York/ National Science Foundation; New Strategies and Methods for Synthesis of Indoles and Carbazoles,  
7/1/2016 - 6/30/2019

JOHN JAY COLLEGE OF CRIMINAL JUSTICE

Amy Adamczyk  
Associate Professor  
Sociology  
Lilly Endowment Inc. via University of Notre Dame; Parental Culture and Practices of Intergenerational Transmission of Religious Faith to Children: Contexts, Commitments, and Consequences,  
1/1/2015 - 12/31/2015

Brian Zeglis  
Associate Professor  
Chemistry  
PHS/NIH/National Cancer Institute; Pre-targeted Radioimmunotherapy Based on Bioorthogonal Click Chemistry,  
6/12/2015 - 5/31/2016

Jayne Raper  
Professor  
Biological Sciences  
Ayco Charitable Foundation/ Jayne and Neil Charitable Fund; Study of Infectious Disease,  
7/1/2015 - 6/30/2016

Jonathan Redina  
Research Scientist  
Senior Data Analyst Psychology  
National Institutes of Health/National Institute on Drug Abuse; Developing a Mobile Emotion Regulation Intervention for HIV-Positive Men,  
4/1/2015 - 3/31/2016

William Solecki  
Professor  
Geography  
U.S. Department of the Interior/National Park Service; Science & Resilience Institute at Jamaica Bay,  

Ioannis Stamos  
Senior Data Analyst  
Research Scientist and  
Computer Science  
Google Inc.; Research at Google  
7/1/2014 - 6/30/2015 Google Inc.; Classification of Vehicles in Points Clouds of Urban Scenes,  
2/1/2015 - 1/31/2016

Lei Xie  
Associate Professor  
Computer Science  
PHS/NIH/National Library of Medicine; Drug Discovery by Integrating Chemical Genomics and Structural Systems Biology,  
9/1/2014 - 8/31/2015

Ming-Chin Yeh  
Associate Professor  
Urban Public Health  
U.S. Department of Veterans Affairs; Approaches to Prevent Cardiovascular Disease in Veterans,  
10/1/2013 - 8/31/2014

Elizabeth Kelvin  
Assistant Professor  
Urban Public Health  
International Initiative for Impact Evaluation Inc.; Randomized Controlled Trial: Self-Administered Oral HIV Testing-Truck Drivers in Kenya,  
11/1/2014 - 10/31/2015

Karen Koellner  
Associate Professor  
Curriculum and Teaching  
University of Colorado/ National Science Foundation; An Efficacy Study of the Learning & Teaching Geometry Professional Development Materials,  
7/1/2015 - 6/30/2017

Alexis Kuerbis  
Assistant Professor  
Social Work  
Feinstein Institute for Medical Research; Component Analysis of Motivational Interviewing,  
9/1/2014 - 8/31/2015

Rufina Lee  
Assistant Professor  
Social Work  
Research Foundation for Mental Hygiene Inc.; First Episode Program (FEP),  
5/1/2014 - 12/31/2014
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution/Program</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jeffrey Butts</td>
<td>Director</td>
<td>Research and Evaluation Center</td>
<td></td>
</tr>
<tr>
<td>Robert Wood Johnson</td>
<td>Foundation</td>
<td>Enhancing Comparative Data in an Evaluation of Cure Violence</td>
<td>in New York City to Safeguard</td>
</tr>
<tr>
<td></td>
<td></td>
<td>the Study Design</td>
<td>9/15/2014 - 3/14/2017</td>
</tr>
<tr>
<td>New York City Department of Health and Mental Hygiene; Assessing Infrastructure of Behavioral Health Services in New York City, 7/1/2014 - 6/30/2016</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elise Champeii</td>
<td>Associate Professor</td>
<td>Sciences</td>
<td>National Institutes of Health;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Role of p21 Signaling Pathway in Response to MC &amp; DMC DNA</td>
<td>Enhancing Safety and Well-Being of Children in Adult Drug Court Participants, 9/30/2014 - 9/29/2015</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Interstrand Crosslinks</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preeti Chauhan</td>
<td>Assistant Professor</td>
<td>Psychology</td>
<td>Laura and John Arnold Foundation; Misdemeanor Justice Project - II, 6/17/2015 - 12/31/2017</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joshua Frellich</td>
<td>Professor</td>
<td>Criminal Justice &amp; Criminal Justice PhD Program National Institute of Justice via Michigan State University; An Assessment of Extremist Groups’ of Web Forums, Social Media, and Technology to Enculturate and Radicalize Individuals to Violence, 1/1/2015 - 12/31/2016</td>
<td></td>
</tr>
<tr>
<td>Elise Champeii</td>
<td>Associate Professor</td>
<td>Sciences</td>
<td>Distinguished Lecturer Public Management DHHS Administration for Children and Families via the University System of Georgia; Enhancing Safety and Well-Being of Children in Adult Drug Court Participants, 9/30/2014 - 9/29/2015</td>
</tr>
<tr>
<td>Maria Hartwig</td>
<td>Associate Professor</td>
<td>Psychology</td>
<td>Federal Bureau of Investigation (FBI) via University of Texas at El Paso; High-Value Detainee Interrogation Group (HIG): Intelligence Interviewing and Interrogation, 9/24/2015 - 10/31/2015</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Public and Educational Fund Inc.; School-Justice Project, 10/1/2014 - 9/30/2015</td>
<td></td>
</tr>
<tr>
<td>ric Curtis</td>
<td>Professor</td>
<td>Anthropology</td>
<td>National Institutes of Health via New York University; Discovery to Implementation &amp; Back: Research Translation for the HIV/STD Epidemic, 1/1/2015 - 12/31/2015</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lisette Delgado-Cruzata</td>
<td>Assistant Professor</td>
<td>Sciences</td>
<td>National Institutes of Health via Columbia University; The Undergraduate Research Program to Promote Diversity in Environmental Health Sciences (URPPD), 4/2/2015 - 3/31/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deborah Koetzle</td>
<td>Associate Professor</td>
<td>Public Management</td>
<td>National Institutes of Health via University of Nebraska-Lincoln; Injection Risks Networks in Rural Puerto Rico, 8/1/2014 - 7/31/2016</td>
</tr>
<tr>
<td>Emily McDonald</td>
<td>Assistant Professor</td>
<td>Anthropology</td>
<td>National Institutes of Health via The Regents of the University of California; New marketing and policies on marijuana and e-cigarettes impact on young adult tobacco use, 8/1/2014 - 7/31/2015</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sara McDougall</td>
<td>Associate Professor</td>
<td>History Institute for Advanced Study</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cynthia Calkins</td>
<td>Associate Professor</td>
<td>Psychology</td>
<td>Department of Justice via Fairleigh Dickenson University; Campus Sexual Misconduct: Using Perpetrator Risk Assessment and Tailored Treatment to Individualize Sanctioning, 5/1/2015 - 12/31/2015</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joshua Mason</td>
<td>Assistant Professor</td>
<td>Economics</td>
<td>Institute for New Economic Thinking; Fisher Dynamics’ of Debt-Income Ratios, 9/1/2014 - 8/31/2015</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emily McDonald</td>
<td>Assistant Professor</td>
<td>Anthropology</td>
<td>National Institutes of Health via New York University; Addressing Hepatitis C and Hepatocellular Carcinoma: The Current and Future Epidemics, 5/1/2015 - 4/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sara McDougall</td>
<td>Associate Professor History</td>
<td>Institute for Advanced Study at Princeton; Mellon Fellowship</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Finding the Corporate Story Often Hidden In the Numbers

ALOE (AL) GHOSH, an accounting professor at Baruch College's Zicklin School of Business, says he “sits on the border territory of accounting and finance, with a forensic eye.”

He received a 2016 Fulbright Distinguished Chair Award, reserved for what Fulbright calls “eminent scholars.” Over the next two years, he will conduct research with a cross-disciplinary group of Finnish scholars into the banking industry, the quality of audits and cross-country variations in corporate governance. He also will lecture and lead seminars for doctoral students and faculty at Aalto University in Finland.

At Baruch, his repertoire includes teaching challenging accounting courses required for the CPA Exams. His goal is to help students become proficient in diverse accounting standards and practices while teaching them how to parse corporate financial statements. Under U.S. laws, publicly traded companies must report their financial status. “I specialize in detecting the quality of those financial statements, and what you can discern about a company from them. Accounting is dense and often complex and tricky. The common parlance may be a red flag to something a company is trying to hide, but the numbers often tell a hidden story.”

Tesla Motors has yet to turn a profit, but its stock price reached $207 in May 2016, up 900-plus percent since 2010. That may make sense depending on how you define value. Investors “are not pricing Tesla, they are pricing the ingenuity of [founder and CEO] Elon Musk,” who also launched Space X, SolarCity, PayPal and more. “They’re betting he’ll come up with ingenious ideas.”

— Aloke (Al) Ghosh

Ghosh ranges more widely on his blog, alokeghosh.com, which is read by business-oriented academics and accounting practitioners. It offers concise case studies of financial smoke, mirrors and skullduggery, along with thoughts on overlapping topics in accounting, finance and economics.

Take the 2016 scandal when the Swiss attorney general revealed that $4 billion had been misappropriated from state-owned companies in Malaysia — including more than $1 billion swallowed by the prime minister’s personal bank account.

His post details how the transactions occurred, then provides the bigger picture: “Emerging markets and less developed countries must rely on reputation to attract much needed private and public funds to spur economic development. Therefore, the costs to society from corruption ... are disproportionately higher than [in] wealthier countries. Yet, much too often, the most egregious cases of corruption are confined to poorer countries. Because of the massive benefits of corruption, there are few incentives to institute legal and enforcement structures to confront corruption ... which in turn hinders economic development.”

— Aloke (Al) Ghosh
Baruch College
Fulbright Distinguished Chair Award
Douglas Salane
Professor
Mathematics & Computer Science
National Institute of Justice;
Assessing and Enhancing the Utility of National Incident-Based Crime Reporting System (NIBRS) Data, 1/1/2015 - 12/31/2015

Charles B. Stone
Assistant Professor
Psychology
National Science Foundation; Collaborative Research: Memory and Jury Deliberation: The Benefits and Cost of Collective Remembering, 8/1/2014 - 7/31/2017

Brett Stout
Assistant Professor
Psychology & Gender Studies Program

Rebecca Weiss
Assistant Professor
Psychology

Cathy Spatz Widom
Distinguished Professor
Psychology
National Institute of Justice; A Supplement to Support the Thirty-Year Follow-up of the Cycle of Violence, 1/1/2012 - 4/30/2016

Philip Yanos
Professor
Psychology
National Institutes of Health; Randomized Controlled Trial Treatment for Internalized Stigma in Schizophrenia, 2/1/2015 - 1/31/2016

Reza Fakhari
Assistant Vice President for Academic Affairs & Associate Provost and Professor of History Administration
Amnesty International USA; Elected Vice Chairman of the Board of Directors of Amnesty International USA, 7/27/2014

Conrad Kreuter
Lecturer
Tourism & Hospitality - Maritime Technology

Anna Razenboym
Assistant Professor
Biological Sciences
National Center for Science and Civic Engagement; 2014 SENCER-NSF Post-Institute Implementation Award, 1/1/2015 - 12/31/2016

Harold C Connolly
Professor
Physical Sciences
The Meteoritical Society; Elected Fellow of the Meteoritical Society, 7/1/2015

Anthony Dierlma
Professor
Tourism & Hospitality - Maritime Technology
U.S. Department of Commerce National Oceanic and Atmospheric Administration Fisheries; Appointed as At-Large Member on the Mid-Atlantic Fishery Management Council, 8/11/2015

Loretta Brancaccio-Taras
Professor
Biological Sciences
American Society for Microbiology; The American Society for Microbiology 2016 Carski Foundation Distinguished Undergraduate Teaching Award, 8/6/2015

Cheryl Smith
Professor
English
National Council of Teachers of English; Elected Secretary of the Two-Year College Association (TYCA), a Division of the National Council of Teachers of English (NCTE), 11/3/2014

Joan Standora
Associate Professor
Behavioral Sciences and Human Services

Michael K. Weisberg
Professor
Physical Sciences
The Meteoritical Society; Elected as Secretary of the Meteoritical Society Council, 1/1/2015

KINGBOROUGH COMMUNITY COLLEGE

Reza Fakhari
Assistant Vice President for Academic Affairs & Associate Provost and Professor of History Administration
Amnesty International USA; Elected Vice Chairman of the Board of Directors of Amnesty International USA, 7/27/2014

Conrad Kreuter
Lecturer
Tourism & Hospitality - Maritime Technology

Anna Razenboym
Assistant Professor
Biological Sciences
National Center for Science and Civic Engagement; 2014 SENCER-NSF Post-Institute Implementation Award, 1/1/2015 - 12/31/2016

Cheryl Smith
Professor
English
National Council of Teachers of English; Elected Secretary of the Two-Year College Association (TYCA), a Division of the National Council of Teachers of English (NCTE), 11/3/2014

Joan Standora
Associate Professor
Behavioral Sciences and Human Services

Michael K. Weisberg
Professor
Physical Sciences
The Meteoritical Society; Elected as Secretary of the Meteoritical Society Council, 1/1/2015

LAGUARDIA COMMUNITY COLLEGE

Preethi Radhakrishnan
Associate Professor
Natural and Applied Sciences
Elsevier Foundation; Motivating Enrollment of Women in STEM Majors 9/1/2014 - 8/31/2017

LEHMAN COLLEGE

Luis Anchordoqui
Professor
Physics and Astronomy

Professor
National Science Foundation; CAREER: Particle Phenomenology at the LHC Era 8/27/2014 - 9/30/2016

Matthew Johnson
Assistant Professor
Mathematics and Computer Sciences
National Science Foundation; INSPIRE: Joint Optimization of Mutually Interfering Thermoelectric Power Plants, 9/1/2015 - 8/31/2018

Dimitra Karabali
Professor
Physics and Astronomy

William Latimer
Dean, Health Sciences, Human Services and Nursing Health Sciences
National Institutes of Health; Four-Arm RCT of Brief MI vs. Couples-Based HIV/STI Prevention in South Africa, 9/1/2014 - 6/30/2016

Elia Machado
Assistant Professor
Environmental, Geographic and Geological Sciences
Inter-American Institute for Global Change; Improving Preparedness to Extreme Rain Events in Lake Atitlan watershed through Education: A bottom-up approach 9/15/2014 - 3/14/2016

Andrew Maroko
Assistant Professor
Health Sciences

Naphtali O’Connor
Associate Professor
Chemistry
National Institutes of Health; Polysaccharides – Polymine Hydrogels, 1/1/2015 - 12/31/2018

Ryan Raauu
Associate Professor
Anthropology
Leaky Foundation; Seeking More Descendants of the Pre-Agricultural Populations of East Africa, 9/1/2014 - 8/31/2016

Stephan Redenti
Associate Professor
Biological Sciences
Erasmus Mundus; Modeling Photoreceptor Migration in Biomimetic Microenvironments to Optimize Transplantation, 7/15/2015 - 6/30/2018
Christine Rota-Donahue
Assistant Professor
Speech-Language-Hearing Sciences
American Hearing Research Foundation; Behavioral Frequency Discrimination in Children with Central Auditory Processing Disorder (CAPD), 1/1/2015 - 12/31/2016

Moira Sauane
Assistant Professor
Biological Sciences
National Institutes of Health; Turning Inhibition of Translation Initiation into Cancer Therapy, 8/1/2015 - 7/31/2018

Katherine St. John
Professor
Mathematics and Computer Sciences
Simons Foundation; Analysis of Tree and Network Metrics, 9/1/2014 - 8/31/2015

Emma Tsui
Assistant Professor
Health Sciences
Centers for Disease Control and Prevention; Promoting low-wage and immigrant worker health via community-based workforce development organizations: A qualitative study, 9/1/2014 - 8/31/2019

Macaulay Honors College
Elizabeth Reis
Visiting Professor
Institute for Research on Women and Gender Fellowship; Institute for Research on Women and Gender at the University of Michigan, 10/25/2015 - 10/28/2015

Medgar Evers College
Brenda Greene
Professor
Center for Black Literature National Endowment for the Arts; The National Black Writers Conference, 7/1/2015 - 12/31/2016

GuTTman Community College
Alia Tyner-Mullings
Assistant Professor
Academics
Spencer Foundation; Transitioning from High-Stakes Testing: How Performance-Based Assessment Shapes Instruction, Curriculum, and School Culture, 12/1/2014 - 5/31/2016

New York City College of Technology
Mariya Bessonov
Assistant Professor
Mathematics
National Science Foundation; Spatial Models in Ecology, 9/1/2015 - 8/31/2018

Corina Calinescu
Assistant Professor
Mathematics
Simons Foundation; Vertex Algebra Structure, 7/1/2014 - 6/30/2017

Delaram Kahrobaei
Professor
Mathematics
Office of Naval research; Homomorphic Encryption and Application, 5/1/2015 - 4/30/2019

Hamidreza Norouzi
Assistant Professor


Queens College
Sherry Baron
Professor
Barry Commoner Center for Health and the Environment
Feinstein Institute for Medical Research; Assessing the Impacts of Epidemiologic Biases in World Trade Center Health Studies, 7/1/2014 - 6/30/2015


Jin Fan
Professor
Psychology
Simons Foundation; Investigating the Auditory Attentional Networks in Autism Spectrum Disorder, 11/1/2014 - 10/31/2015

Alexander Khainiev
Assistant Professor
Physics
National Science Foundation; Collaborative Research: Science and Engineering of Topological Acoustics and Mechanics, 9/1/2015 - 8/31/2018

Steven Markowitz
Professor
Barry Commoner Center for Health and the Environment
Assistant Secretary for Preparedness and Response; Developing an Android Mobile Phone Application to Conduct Onsite Hazard Assessment during Post-Disaster Clean-up and Reconstruction (Track 1), 9/15/2014 - 9/14/2016

Assistant Secretary for Preparedness and Response; Enhancing Community Resiliency in Immigrant Worker Communities (Track 2), 9/15/2014 - 9/14/2016

Gita Martohardjono
Associate Professor
Linguistics & Communication Disorders

New York City Department of Education; ELL (English Language Learners) National Science Foundation; Collaborative Research: The Effect of H-1B Workers on Innovation and Productivity in United States Firms, 9/1/2014 - 8/31/2017

National Science Foundation; International Collaboration in Chemistry: Mechanistic Studies of Oxygen Electrocatalysis by Nanoelectrochemical Techniques, 1/15/2015 - 12/31/2017

Alfredo Morabia
Professor
Barry Commoner Center for Health and the Environment

Francesc Ortega
Associate Professor
Economics
National Science Foundation; Collaborative Research: The Effect of H-1B Workers on Innovation and Productivity in United States Firms, 9/1/2015 - 8/31/2017

National Science Foundation; International Collaboration in Chemistry: Mechanistic Studies of Oxygen Electrocatalysis by Nanoelectrochemical Techniques, 1/15/2015 - 12/31/2017

Morris Rossabi
Distinguished Professor
History
Smith Richardson Foundation; China and Xinjiang, Tibet, and Inner Mongolia in Xi Jinping Era
1/1/2015 - 12/31/2015

Cathy Savage-Dunn
Professor
Biology
National Institutes of Health; Regulations of Metabolism by C. Elegans DBL-1/BMP Signaling Pathway, 8/1/2015 - 7/31/2018

Joel Sneed
Associate Professor
Psychology
National Institute of Mental Health; Mechanisms of Anti-Depressant Non-Response in Late Life, 1/1/2014 - 12/31/2014

Luat Vuong
Assistant Professor
Physics
National Science Foundation; I-Corps: Sorting of Metal for Electronic Recycling, 6/1/2015 - 11/30/2015
John Waldman
Associate Professor
Biology
United States National Park Services; The Environmental History of Jamaica Bay: A Foundational Monograph (Post-Hurricane Sandy Study), 9/8/2014 - 9/7/2016

Dana Weinberg
Professor
Sociology
Department of Veteran Affairs; Intergovernmental Personnel Agreement, 8/22/2013 - 3/31/2015

Daniel Weinstein
Associate Professor
Biology
National Institutes of Health; Suppression of Inappropriate Germ Layer Formation in the Vertebrate Embryo, 5/1/2014 - 4/30/2016

Monica Trujillo
Associate Professor
Biological Sciences & Geology Department
National Science Foundation; Pathways to Science, 9/1/2015 - 8/31/2018

Fermi National Accelerator Laboratory: “Mu2e Tracker design and fabrication: York College/CUNY tasks”, 6/1/2015 - 9/30/2015

James Lewis Popp
Associate Professor
Earth & Physical Sciences
Fermi National Accelerator Laboratory: “Mu2e Tracker design and fabrication: York College/CUNY tasks,” 6/1/2015 - 9/30/2015

Michael Seltzer
Distinguished Lecturer
Public Affairs
The New York Community Trust; New York Community Trust Leadership Fellows, 1/1/2015 - 12/31/2015

A Family-Based Framework of Quality Assurance for Biomedical Ontologies, 3/4/2015 - 2/28/2018

Vincent (Tzu Wen) Cheng
Assistant Professor
Speech, Communications and Theatre Arts
National Endowment for the Humanities; Cultivating Global Competencies in a Diverse World, 1/1/2015 - 12/31/2017

Katherine Conway
Professor
Business Management
National Science Foundation; Can Student Characteristics Be Used to Effectively Identify Students At-Risk in the Online STEM Environment? 3/1/2016 - 2/28/2018

Alex D’Erizans
Associate Professor
Social Sciences
National Endowment for the Humanities; Cultivating Global Competencies in a Diverse World, 1/1/2015 - 12/31/2017

Sunil Gupta
Dean, Continuing Education and Workforce Development
The Carroll and Milton Petrie Foundation; BMCC’s Pathways Workforce Transition Program, 11/1/2015 - 10/31/2017

Zhongyong Li
Assistant Professor
Computer Information Systems
National Science Foundation; Minority Science and Engineering Improvement Program: Retention and Improvement in STEM, 10/1/2015 - 9/30/2020

A Family-Based Framework of Quality Assurance for Biomedical Ontologies, 3/4/2015 - 2/28/2018
Alia Tyner-Mullings
Assistant Professor, Statistics, Sociology
Guttman Community College/CUNY

**HER STORY**
Creates tools to help students apply what they’re learning.

**ACCOMPLISHMENTS**
2014-16 Spencer Foundation grant with two colleagues to study 10 high schools measuring student accomplishment with portfolios, not high stakes Regents exams.

**GOAL**
“I want my students to see the world in terms of larger sociological concepts.”
Alyse Hachey
Professor
Teacher Education
National Science Foundation; Can Student Characteristics Be Used to Effectively Identify Students At-Risk in the Online STEM Environment?
3/1/2015 - 2/28/2018

Yi (Annie) Han
Professor
Mathematics
United States Department of Education; Creating Career Pathways in Mathematics Through the Recruitment and Retention of Talented Community College Students, 10/1/2015 - 9/30/2018

Michael A. Hutmaker
Dean of Student Affairs
Student Affairs
Petronila Foundation/Citi Foundation; Save for Success, 6/1/2015 - 6/1/2016

Lalitha Jayant
Associate Professor
Science
United States Department of Education; Minority Science and Engineering Improvement Program: Retention and Improvement in STEM, 10/1/2015 - 9/30/2018

Jun Liang
Assistant Professor
Science
NIH/National Institute on Aging; Novel Function of Chloride Intracellular Channel Protein (CLIC) and TGF-beta Signaling in Stress Response and Health Span in Caenorhabditis Elegans, 4/15/2015 - 3/31/2017

Kathleen Offenholley
Associate Professor
Mathematics
National Science Foundation; A Simulation-Based Curriculum to Accelerate Math Remediation and Improve Degree Completion for STEM Majors, 5/1/2015 - 4/30/2018

Brett Sims
Associate Professor
Mathematics
United States Department of Education; Minority Science and Engineering Improvement Program: Retention and Improvement in STEM, 10/1/2015 - 9/30/2018

Ching-Song (Don) Wei
Professor
Computer Information Systems
National Science Foundation; A Simulation-Based Curriculum to Accelerate Math Remediation and Improve Degree Completion for STEM majors 5/1/2015 - 4/30/2018

Claire Wladis
Professor
Mathematics
National Science Foundation; Can Student Characteristics be Used to Effectively Identify Students At-Risk in the Online STEM Environment? 3/1/2015 - 2/2/2018

BRONX COMMUNITY COLLEGE
Eugene Adams
Director, Collaborative Programs
Strategic Initiatives
New York State Education Department; Science and Technology Education Program (STEP), 7/1/2015 - 6/30/2016

Sunil Bhaskaran
Assistant Professor
Chemistry & Chemical Technology
NOAA-CREST; BCC STEM Majors participation in the 2015 Black Engineer of the Year Award (BEYA) Conference, Washington, DC, 7/1/2015 - 6/30/2016

Neal Phillip
Professor
Chemistry & Chemical Technology
NOAA-CREST; BCC STEM Majors participation in the 2015 Black Engineer of the Year Award (BEYA) Conference, Washington, DC, 7/1/2015 - 6/30/2016

Stacia Reader
Assistant Professor
Health, Physical Education and Wellness
Health Resources & Services Administration Grant; Bronx Health Opportunities Partnership-Einstein or Bronx HOPE, 10/1/2015 - 9/30/2016

BROOKLYN COLLEGE
Rebecca Borer
Assistant Professor
Earth & Environmental Science

Debra Gonsher
Professor
Communication Arts & Sciences
Knights of Columbus Foundation; Documentary Beauty of Their Dreams, 12/1/2015

Louise Hainline
Professor
Psychology
RF SUNY (Stony Brook subaward via NIH); IRACDA- The New York Consortium for the Advancement of Postdoctoral Scholars, 8/1/2015 - 4/30/2016

Esther Levy
Psychological Counselor
Student Development

Emalinda McSpadden
Assistant Professor
Social Sciences

BROOKLYN COLLEGE
Rebecca Borer
Assistant Professor
Earth & Environmental Science

Debra Gonsher
Professor
Communication Arts & Sciences
Knights of Columbus Foundation; Documentary Beauty of Their Dreams, 12/1/2015

Louise Hainline
Professor
Psychology
RF SUNY (Stony Brook subaward via NIH); IRACDA- The New York Consortium for the Advancement of Postdoctoral Scholars, 8/1/2015 - 4/30/2016

Esther Levy
Psychological Counselor
Student Development

Emalinda McSpadden
Assistant Professor
Social Sciences
Catherine McEntee
Lecturer
Biology
NYS Department of Education (Office of P-12 Education); Science and Technology Entry Program (STEP) 2015-2020, 7/1/2015 - 6/30/2016

Michael Meagher
Professor
Education
US Department of Education; Brooklyn College Educational Talent Search Program, 9/1/2015 - 8/31/2016

Lorraine Mondesir
Assistant Director BCCS programs
Education
US Department of Education/Office of Postsecondary Education; Child Care Access Means Parents in School, 10/1/2015 - 9/30/2016

Theodore Muth
Associate professor
Biology
National Science Foundation; Urban Microbial Community Dynamics: A Classroom Approach, 7/1/2013 - 6/30/2017

Laura Rabin
Professor
Psychology
National Science Foundation (REU); Intensive Mentored Research Experiences for Undergraduates in Psychology and Neuroscience at an Urban College, 7/1/2015 - 6/30/2018

Diane Reiser
Chief Operating Officer
Brooklyn College Community Partnership
NYC Department of Youth and Community Development; Brooklyn College Community Partnership at Paul Robeson for the NDA- Educational Support for High School Procurement, 7/1/2015 - 6/30/2016

DYCD/NYC Department of Youth and Community Development; SONYC Programs, 7/1/2015 - 6/30/2016

THE CITY COLLEGE OF NEW YORK
Punit Arora
Assistant Professor
Economics and Business

Gary Benenson
Professor
Mechanical Engineering
Fund for Public Schools; The Fund for Public School Project with CCNY, 6/10/2015 - 6/30/2016

Michael Bobker
Director,
Building Performance Lab
Civil Engineering
New York State Energy Research and Development Authority; Workforce Training for Energy Efficiency, 1/1/2014 - 6/30/2016 Various Private Sources; NYSErDA-Subsidized workforce training program, 1/1/2015 - 12/31/2016

Vincent Boudreau
Dean and Professor
Political Science, Colin Powell School for Civic and Global Leadership
21st Century Foundation; Colin Powell Center for Policy Studies, 7/1/2013 - 6/30/2016

Doris Cintrón
Senior Associate Provost and Acting Dean
Humanities and the Arts, Academic Affairs
Shipley Foundation; Shipley Scholars, 7/1/2015 - 6/30/2016

Alison Conway
Associate Professor
Civil Engineering
Department of Transportation Federal Highway Administration; The Dwight David Eisenhower Transportation Fellowship Program, Hispanic Serving Institutions Fellowship, 9/1/2015 - 9/17/2016

Vasil Diyamandoglu
Assistant Professor
Civil Engineering
New York City Department of Sanitation; New York City Center for Materials Reuse, 7/1/2015 - 6/30/2016

Mary Erina Driscoll
Dean and Harold Kobbler Chair
School of Education
New York City Department of Education; New York City Teaching Fellows Cohort, 6/1/2013 - 5/31/2016

New York State Education Testing Services
Mary Erina Driscoll
Chair
New York City Department of Education; New York City Teaching Fellows Cohort, 6/1/2013 - 5/31/2016

Beverly Falk
Professor
Teaching, Learning, and Culture
Foundation for Child Development; High Quality Early Learning for a Changing World: What Teachers of Young Children Need to Know and do, 7/1/2015 - 8/31/2018

Susannah Fritton
Associate Professor
Biomedical Engineering

Jorge Gonzalez
Professor
Mechanical Engineering
US Department of Education; The Alliance for Continuous Innovative Learning Environments in STEM, 10/1/2015 - 6/30/2016

Barry Gross
Professor
Electrical Engineering
National Aeronautics and Space Administration; ROSES/Topical Workshops, Symposia and Conferences, 5/1/2015 - 4/30/2016

Ramona Hernandez
Professor and Director
Dominican Studies Institute, Sociology
New York City Council; Libraries and Archives, 7/1/2015 - 6/30/2016

Yuri Job
Community Youth Programs Director
Government, Community & Cultural Affairs
US Department of Education; City College Upward Bound, 9/1/2015 - 8/31/2016
Seeking a Genetic Approach To Improve HIV Treatment

BRUCE JOHNSON grew up in Washington State, worked his way through college as a commercial salmon fisherman, majored in marine biology and expected to become an environmental lawyer.

What this scientist at the CUNY Advanced Science Research Center did become is something far upstream: a computational scientist and structural biologist who created some of the world’s most important drug-development software. He also has been a key member of a nationwide team of researchers, supported by a major grant from the National Institutes of Health (NIH), that is pursuing an intriguing genetic approach to improving HIV treatment.

“Thinking about becoming an environmental lawyer when I was young, I found I needed to know more and more about how organisms worked, if that’s what I was going to do,” Johnson says. “And I just sort of ended up on this spiral into more and more detail, which eventually brought me into a whole new world of drug discovery.”

Johnson came to that world — and the broader one he inhabits as a leader in scientific software development — by way of a series of fortunate adventures in science. While earning his Ph.D. in zoology from Duke University, he studied blue crabs at Duke’s marine lab, where he learned about the biochemistry of both crustaceans and humans: Blue crabs, it turns out, have oxygen-transfer proteins that are analogous to human hemoglobin.

Johnson moved to Yale for postdoctoral work in molecular biophysics and biochemistry. That turned out to be pivotal, for he began working with the research technique that became his stock in trade: nuclear magnetic resonance (NMR) spectroscopy.

The technology uses the magnetic fields of molecules to reveal important things about their structures, how they work and under what conditions. During a subsequent 15-year career at the pharmaceutical giant Merck, Johnson began developing the software for which he has become prominent: algorithms and programs for visualizing and analyzing NMR spectroscopy data that have become indispensable tools for finding new drugs to fight a host of diseases.

In 2005, Johnson left Merck to form a company, One Moon Scientific, to commercialize his software and license it to other researchers. His major software, called NMView, remains one of the leading programs that scientists worldwide use to process and analyze their NMR data on materials ranging from proteins to nucleic acids.

One of those scientists is Kevin Gardner, director of the ASRC’s Structural Biology Initiative, who has used Johnson’s software for virtually his whole career. In 2014, Gardner recruited Johnson to CUNY’s new science center from the University of Maryland, Baltimore County; he had joined its research faculty a few years after starting his software company.

Johnson’s recent work has focused on RNA molecules as a new approach to battling the HIV virus. He’s a principal investigator in the Center for HIV RNA Studies, a nationwide consortium of 20 researchers in a range of disciplines that is funded by a five-year, $21-million grant from NIH and based at the University of Michigan Medical School.

The team published its first work in the spring 2015, a paper in the journal Science that reported advances — using software Johnson developed for the research — in understanding the structure of the part of the RNA molecule that is the genetic material of the HIV virus. This study shed new light on the role of the virus’s RNA in in its replication.

“Though we have some amazing therapeutics for HIV, there’s still a huge unmet need for new ones because the drugs do have side effects and they are expensive, especially for people in poor countries,” Johnson says.

A new class of anti-HIV drug is needed because current treatments “target the proteins that HIV makes and uses. There are no treatments that work via the RNA molecule, which is the virus’s fundamental genetic material. It’s an untapped target for possible therapeutics.”

CUNY Advanced Science Research Center, National Institutes of Health Grant
I N A NOTED TRIO OF BOOKS, Distinguished and Presidential Professor Robert Reid-Pharr of the CUNY Graduate Center has chronicled the complexities of African-American intellectual life in the contexts of race, gender, class and sexuality. With a 2016 John Simon Guggenheim Memorial Foundation Fellowship, he is finishing a fourth, due out this winter and sure to make waves; his publisher says it challenges “the anti-corporeal, anti-black, anti-human biases that stand at the heart of Western Humanism.”

“I have a longstanding interest in Afro-American cosmopolitanism, because many black intellectuals have lived and traveled abroad,” says Reid-Pharr, a prominent cultural and literary critic. Their flight to France during the Jim Crow era gets the most attention, but he “wanted to talk about Spain, where there is a pretty amazing archive that treats Afro-Americans from the late 1890s to the mid-1950s.”

During this period bracketed by post-colonialism, fascism and war, ragtime, jazz and bebop, Spanish intellectuals like Federico García Lorca and Pablo Picasso engaged with black expatriates like Chester Himes, Langston Hughes, Nella Larsen and Richard Wright. The result of Reid-Pharr’s analysis is *Archives of Flesh: African America, Spain, and Post-Humanist Critique*. Publisher NYU Press says he “argues that key institutions in Western Humanism, including American colleges and universities, developed in intimate relations to slavery, colonization, and white supremacy.”

He also directs the Institute for Countering Inhuman ‘Western Humanism’

---

Robert Reid-Pharr
CUNY Graduate Center
Guggenheim Memorial Foundation Fellowship
Research on the African Diaspora in the Americas and the Caribbean (IRADAC). With more people of African descent coming to the United States annually than in any peak year of the slave trade, “The American people will have to get more comfortable with the fact that every face is an American face. There is no other option.”

Reid-Pharr also will use his Guggenheim grant to begin research on a biography of “a major 20th-century American writer” whose archives in this country and in France have just become available. “I’m scared out of my shoes about writing a biography in which I want to place this person in the big world. It’s a way of writing I’ve never tried before ... I’m always shocked by people, including students, who don’t know what they want to do. I wish I had the ability to do a dozen things that are on my mind. I’m just as hungry and curious and competitive as I’ve ever been.”

“Though each project seems to stand by itself, I think of myself as engaged in an intellectual project that has its own arc. Each book speaks to the others in a field that’s important to the country and to me.”

— Robert Reid-Pharr
Richard Steinberg  
Professor  
Secondary Education  
New York State Education Department; The New York City-wide Middle School Science Professional Development Project, 7/1/2014 - 6/30/2016

Despina Stylianou  
Professor  
Secondary Education  
New York City Department of Education; Mathematics in the City; Math-Related Services and Professional Development, 4/1/2015 - 3/31/2020

Terri Nicol Watson  
Assistant Professor  
Leadership and Special Education  
Tides Foundation; (Re)Framing Parent Involvement in Urban Schools: A Case Study, 9/25/2015 - 9/24/2016

COLLEGE OF STATEN ISLAND  
Jane Coffee  
Professor  
Mathematics  
National Science Foundation; Robert Noyce Teacher Academy at the College of Staten Island, 10/1/2015 - 9/30/2020

Christopher Cruz Cuillari  
Executive Director  
Continuing Education and Professional Development  
New York City Office of the Mayor; Adult Literacy Program, 7/1/2015 - 6/30/2016

Debra Evans-Greene  
Coordinator-The College Success Initiative Program  
Academic Affairs/Provost Office  
NYS City Council; Black Male Initiative, 7/1/2015 - 6/30/2016

CUNY ADVANCED SCIENCE RESEARCH CENTER  
Rein Uttn  
Director of Nanoscience; Professor  
United States Air Force; Super Resolution Microscopy for Biospired Nanomaterials at CUNY, 9/30/2015 - 9/29/2016

Michael Kress  
Vice President for Information Technology and Economic Development; Executive Director of the CUNY High Performance Computing Center  
Office of Technology Systems  
NYC City Council; Tech Incubator, 7/1/2015 - 12/31/2016

CUNY CENTRAL OFFICE  
Lisa Castillo Richmond  
Executive Director, Graduate NYC!  
Academic Affairs  
The Teagle Foundation; Graduate NYC! - The College Completion Innovation Fund, 5/18/2015 - 6/30/2019  
Heckscher Foundation for Children; Graduate NYC! - The College Completion Innovation Fund, 4/17/2015 - 4/30/2016  
The New York Community Trust; Graduate NYC!, 12/8/2015

Eric Hofmann  
University Director for CUNY Collaborative Programs  
Academic Affairs  
The Pinkerton Foundation; College Now STEM Research Academy, 3/11/2015 - 3/15/2016

Donna Linderman  
University Dean for Student Success Initiatives  
Academic Affairs  
The Carroll and Milton Petrie Foundation; CUNY Summer Start, 11/5/2015

Leslee Oppenheim  
University Director, Language and Literacy Programs  
Academic Affairs  
New York State Education Department; High School Equivalency Preparation, 6/1/2015 - 3/31/2016

Rachel Stephenson  
University Director, CUNY Service Corps  
Academic Affairs  
City of New York Human Resources Administration and Mayor’s Office of Immigrant Affairs; ActionNYC, 4/1/2015 - 6/30/2016

Valerie Westphal  
University Director of Continuing Education and Workforce Programs  
Academic Affairs  
New York City Department of Correction; CUNY Next Steps,
7/1/2016 - 10/1/2016
JPMorgan Chase Foundation; Grant in Support of the CUNY Tech Education and Employment Collaborative, 8/5/2015 - 8/4/2018

THE CUNY GRADUATE CENTER
Sunil Bhaskaran
Associate Professor
Earth and Environmental Science
NOAA-crest, BCC STEM
Majors participation in the 2015 Black Engineer of the Year Award (BEYA) Conference,
7/1/2015 - 6/30/2016
Digital Globe Foundation Grant; Digital Globe Foundation Imagery Grant,
7/1/2015 - 6/30/2016
Cathy Davidson
Distinguished Professor
English
Andrew W. Mellon Foundation; The Humanities Teaching and Learning Alliance,
9/26/2015 - 10/10/2020
Nicholas Freudenberg
Distinguished Professor
Public Health
United Hospital Fund; Mental Health Ambassadors,
3/1/2015 - 9/30/2016
Matthew Gold
Executive Officer,
Associate Professor
CUNY Academic Commons
National Endowment for the Humanities; Opening Humanities Education with the Commons in a Box and the OpenLab,
5/1/2015- 6/30/2016
Kim Hartwick
Academic Director
CUNY Baccalaureate Program in Art History
William Randolph Hearst Foundation; Hearst Scholars Opportunities Fund,
12/21/2015 - 12/22/2015

Helen Koh
Director of Foundation & Corporate Relations Administrative
Andrew W. Mellon Foundation; Humanities Teaching and Learning Alliance,
9/26/2015 - 10/10/2020
Alexandra Logue
Research Professor
Center for Advanced Study in Education | Psychology
The Teagle Foundation; PRIME: Project for Relevant and Improved Mathematics Education,
12/15/2015 - 7/30/2019
David Olsen
Interim Associate Provost & Dean/Humanities & Social Sciences Administration
Andrew W. Mellon Foundation; The Humanities Teaching and Learning Alliance,
9/26/2015 - 10/10/2020
Lorna Elizabeth Thorpe
Professor
Public Health
National Institutes of Health; Clinical and Translational Science Center Biostatistics Core, 6/1/2015 - 5/31/2016
Jill Hyland
Executive Director,
Professional Education and Workplace Learning
School of Professional Studies
New York City Administration for Children's Services; Strengthening Child Welfare through Workforce Development
3/15/2015 - 6/30/2015
Amy Perez
Program Director
School of Professional Studies
New York City Human Resources Administration, Office of Child Support Enforcement; GCSE-CUNY Training Program,
7/1/2015- 6/30/2016
Brian Peterson
Associate Dean
School of Professional Studies
New York City Mayor’s Office of Housing Recovery Operations; Build It Back Issue Resolution and Staff Development
3/1/2015 - 6/30/2016
Dawn Picken
Program Director
School of Professional Studies
New York City Department of Small Business Services; Industrial Center Training,
1/1/2015 - 6/30/2016

CUNY SCHOOL OF PROFESSIONAL STUDIES
Andrew Boyarsky
Program Director
School of Professional Studies
New York City Office of Emergency Management; New York City Emergency Management Resource System,
7/1/2015 - 6/30/2016
Rebecca Brown Cesarani
Program Director
School of Professional Studies
New York State Office of Children and Family Services; Distance Education, Training Systems Development, and Needs Analysis,
1/1/2015 - 12/31/2015
Patrick Dain
Director of Workplace Learning
School of Professional Studies
New York City Department of Citywide Administrative Services, Energy Management Training and Services,
1/1/2015 - 6/30/2016
Karina Rogers
Futures Initiative
Andrew W. Mellon Foundation; The Humanities Teaching and Learning Alliance,
9/26/2015 - 10/10/2020

Donna Thompson Ray
Project Director - CM and MC
American Social History Project/CML | Psychology
National Endowment for the Humanities; The Visual Culture of the American Civil War and Its Aftermath,
10/1/2015 - 12/31/2016
Katina Rogers
Futures Initiative
Andrew W. Mellon Foundation; The Humanities Teaching and Learning Alliance,
9/26/2015 - 10/10/2020

CUNY SCHOOL OF PUBLIC HEALTH
Nicholas Freudenberg
Distinguished Professor
United Hospital Fund; Mental Health Ambassadors,
3/1/2015 - 9/30/2016
Lorna Elizabeth Thorpe
Professor
National Institutes of Health; Clinical and Translational Science Center Biostatistics Core, 6/1/2015 - 5/31/2016

GUTTMAN COMMUNITY COLLEGE
Kristina Baines
Assistant Professor
Provost VP Academic Affairs
The Richard Salomon Family Foundation; Building an eTern Program,
12/1/2015 - 10/31/2016
Valora Blackson
Director of the Office of Partnerships and Community Engagement
Provost VP Academic Affairs
City University of New York; PR Ep for Success: 21st Century Skills in Demand Internship Program,
11/1/2015 - 6/30/2016
Laura M. Gambino
Professor/Associate Dean for Assessment and Technology
Provost VP Academic Affairs
Grad NYC-College Completion and Innovation Fund (CCIF); Project STARS (Student Achievement and Retention Support),
7/1/2015 - 6/30/2018
The City University of New York, Chancellor’s Strategic Investment Initiative; Experiential Learning Opportunities: Breaking Boundaries at Guttman Community College,
11/1/2015 - 6/30/2016
Educause; Project GAPP (Guttman Advising & Planning Project),
9/1/2015 - 8/30/2018
The Richard Salomon Family Foundation; Building an eTern Program,
12/1/2015 - 10/31/2016
Danielle Insalaco-Egan
Director of Student Support and Academic Achievement
VP Academic Affairs Provost Educause; Project GAPP (Guttman Advising & Planning Project),
9/1/2015 - 8/31/2018
Grad NYC-College Completion and Innovation Fund (CCIF); Project STARS (Student Achievement and Retention Support),

CUNY 2016 AWARD RECIPIENTS 37
7/1/2015 - 6/30/2018
Eduscense; Project GAPP
(Guttman Advising & Planning Project),
9/1/2015 - 8/31/2018
Joan M. Lucariello
Provost and Vice President for Academic Affairs
Provost VP Academic Affairs
Eduscense; Project GAPP
(Guttman Advising & Planning Project),
9/1/2015 - 8/31/2018
Grad NYC-College Completion and Innovation Fund (CCIF); Project STARS (Student Achievement and Retention Support),
7/1/2015 - 6/30/2018
The City University of New York, Chancellor’s Strategic Investment Initiative, Experimental Learning Opportunities: Breaking Boundaries at Guttman Community College, 11/1/2015 - 6/30/2016
The City University of New York, Chancellor’s Strategic Investment Initiative; Sizing Up: Growing First Year Experience, 11/3/2015 - 6/30/2016
Bruce Lyons
Assistant Director of Communications
President
The Malcolm Gibbs Foundation;
Equipped for Success, 8/15/2015 - 8/15/2016
Nate Mickelson
Assistant Professor
Academics
The Robin Hood Foundation; Summer Bridge program and incentivizing students to complete their first year, 5/15/2015 - 4/15/2016
Camila Torres
Instructor
Academics
The Robin Hood Foundation; Summer Bridge program and incentivizing students to complete their first year, 5/15/2015 - 5/15/2016
Alia R. Tyner-Mullings
Assistant Professor
Provost VP Academic Affairs
The City University of New York, Chancellor’s Strategic Investment Initiative: Sizing Up: Growing First Year Experience, 11/1/2015 - 6/30/2016
HOSTOS COMMUNITY COLLEGE
Virginia Almendarez
Assistant Vice President
Office of Institutional Advancement
CITGQ; Academic Achievers and Scholarship Programs, 10/1/2015 - 9/30/2016
Nieves Angulo
Professor
Mathematics
US Education Department/ HSI STEM (in collaboration with City College); The Alliance for Continuous Innovative Learning Environment in STEM (CILES), 10/1/2015 - 9/30/2016
Susan Bronson
Development Corporate and Foundation Relations
Manager
Institutional Advancement
The Carroll and Milton Petrie Foundation; Construction Industry Workforce Development Program, 11/5/2015 - 10/31/2016
The Lucius N. Littauer Foundation;
Maria Cano
Program Director, COPE
Student Development & Enrollment Management
New York City Human Resources Administration; COPE Graduation Success Initiative (GSI)
7/1/2015 - 6/30/2016
New York City Human Resources Administration; COPE Graduation Opportunity Program (COPE),
7/1/2015 - 6/30/2016
Felix Cardona
Assistant Dean of Academic Affairs
Office of Academic Affairs,
1199SEIU League Training and Upgrading Fund; 1199SEIU Colloquium Series Program,
9/1/2015 - 5/31/2016
The New York Community Trust; Food Businesses Partnerships and Curriculum Development,
9/17/2015 - 9/16/2016
Nathaniel Cruz
Vice President, Student Development & Enrollment Management
New York City Human Resources Administration; COPE Graduation Success Initiative (GSI)
7/1/2015 - 6/30/2016
New York City Human Resources Administration; COPE Program
7/1/2015 - 6/30/2016
Molly Delano
Senior Project Leader
President's Office
Ford Foundation;
B Bronx Corridors
8/1/2015 - 7/30/2016
Vyacheslav Dushenkov
Assistant Professor
Natural Sciences
NIH/Rutgers University; Center For Botanical Metabolic Syndrome,
6/1/2015 - 5/31/2016
City University of New York; Community College Collaborative Incentive Research Grant (C3IRG),
9/1/2015 - 6/1/2016
Andrea Fabrizio
Associate Professor
English
Agar Foundation, Inc.; Core Books Program,
5/1/2015 - 4/30/2016
Evelyn Fernandez-Ketcham
Community Outreach Program Director
Continuing Education & Workforce Development
US Department of Health and Human Services; Health Profession Opportunity Grants to Serve TANF Recipients - Allied Health Career Pipeline,
9/30/2015 - 9/29/2016
Debra Mack-Glasgow
Program Director
Continuing Education & Workforce Development
New York Human Resources Administration; Jobs Plus Program- Jefferson Houses,
7/1/2015 - 3/31/2016
Fatima Malikouf
Director of College Transition Programs
Continuing Education & Workforce Development
Robin Hood Foundation/ CUNY; At Home College,
4/21/2015 - 4/20/2016
Christine Mangino
Interim Provost & Vice President
Office of Academic Affairs
New York Education Department; Collegiate Science and Technology Entry Program (CSTEP),
7/1/2015 - 6/30/2016
Dana Lennon
Program Director
Continuing Education & Workforce Development
U.S. Department of Health and Human Services; Health Careers Opportunity Program,
9/15/2015 - 8/31/2016
New York Education Department; Science and Technology Entry Program (STEP),
7/1/2015 - 6/30/2016
Carroll and Milton Petrie Foundation; Graduate NYC-Innovative Fund,
8/1/2015 - 7/31/2016
CUNY 2016 AWARD RECIPIENTS

Gregory Marks
Associate Professor
English
Agbar Foundation, Inc.; Core Books Program,
5/1/2015 - 4/30/2016

Peter Mertens
Assistant Dean
Continuing Education & Workforce Development
New York State Education Department; Workforce Investment Act,
7/1/2015 - 6/30/2016
New York City Office of the Mayor; Adult Literacy Program,
7/1/2015 - 6/30/2016

Carlos Molina
Vice President
Continuing Education & Workforce Development
New York City, City Council; Fatherhood Academy,
10/1/2015 - 6/30/2016
New York State Education Department; Liberty Partnerships Program,
9/1/2015 - 8/31/2016

Nelson Nuñez-Rodriguez
Associate Professor
Natural Sciences
Albert Einstein College of Medicine of Yeshiva University; Bronx Einstein Training in Teaching and Research,
5/1/2015 - 4/30/2016

Zvi Ostrin
Assistant Professor
Natural Sciences
City University of New York; Community College Collaborative Incentive Research Grant (C3IRG),
9/1/2015 - 6/1/2016
Silvia Reyes
Program Director
Office of Academic Affairs
US Department of Education; Higher Education - Institutional Aid - Title V,
10/1/2015 - 9/30/2016

Lillian Morales
Executive Assistant to the Vice President
Student Development and Enrollment Management
Health Research, Inc.; Support for Expectant and Parenting Teens, Women, Fathers and Their Families,
8/1/2015 - 7/31/2016

Eileen Newman
Project Director, CBNP
Continuing Education & Workforce Development
NY Community Trust; Center for Bronx Non-Profits,
4/7/2015 - 4/6/2016
JP Morgan Chase Foundation; Workforce Development Convenings,
6/1/2015 - 5/31/2016

Senya Tavares
Program Director
Continuing Education & Workforce Development
Verizon Foundation; Medical and Tech Program,
12/31/2015 - 11/30/2016

Fabian Wander
Student Wellness Manager
Health and Wellness Center,
SDEM Health Research, Inc; Support for Expectant and Parenting Teens, Women, Fathers and Their Families,
8/1/2015 - 7/31/2016

Jamie Bleiweiss
Assistant Professor
Special Education
New York City Department of Education; Professional Development Services in Special Education,
7/1/2014 - 6/30/2015

Matthew Caballerio
Associate Dean
School of Education
New York State Education Department; Clinically Rich Intensive Teacher Institute in Bilingual Education & English as a Second Language,
7/1/2015 - 6/30/2016

Sheryl Smith
Program Director, Adult Learning Center
Continuing Education & Workforce Development
New York Education Department; Workforce Investment Act,
7/1/2015 - 6/30/2016
New York City of the Mayor; Adult Literacy Program,
7/1/2015 - 6/30/2016
NYC Center for Economic Opportunity; Young Men's Initiative,
7/1/2015 - 6/30/2016

Ninoska Uribe
Program Director
Continuing education & Workforce Development
U.S. Social Security Administration; Work Incentives Planning and Assistance,
8/1/2015 - 6/30/2016

Charles Michael Drain
Professor
Chemistry
Joan & Sanford I. Weill Medical College of Cornell University; Photosensitizer Chlorin Drug for Diagnostic and PDT Treatment of Dengue,
6/1/2015 - 5/31/2016

Frank Gardella
Associate Professor
SDEM Health Research, Inc; Support for Expectant and Parenting Teens, Women, Fathers and Their Families,
8/1/2015 - 7/31/2016

Robert Gyles
Professor
Curriculum and Teaching
New York City Department of Education; Mathematics and Science Partnership Project,
7/1/2014 - 6/30/2015
Utica City School District; Math Center for Learning & Teaching/ Mathematics and Science Partnerships,
7/1/2014 - 6/30/2015

John Jay College
of Criminal Justice
Ellen Belcher
Assistant Professor & Special Collections Librarian
Library

CUNY 2016 AWARD RECIPIENTS

Lillian Morales
Executive Assistant to the Vice President
Student Development and Enrollment Management
Health Research, Inc.; Support for Expectant and Parenting Teens, Women, Fathers and Their Families,
8/1/2015 - 7/31/2016

Sheryl Smith
Program Director, Adult Learning Center
Continuing Education & Workforce Development
New York Education Department; Workforce Investment Act,
7/1/2015 - 6/30/2016
New York City of the Mayor; Adult Literacy Program,
7/1/2015 - 6/30/2016
NYC Center for Economic Opportunity; Young Men's Initiative,
7/1/2015 - 6/30/2016

Senya Tavares
Program Director
Continuing Education & Workforce Development
Verizon Foundation; Medical and Tech Program,
12/31/2015 - 11/30/2016

Fabian Wander
Student Wellness Manager
Health and Wellness Center,
SDEM Health Research, Inc; Support for Expectant and Parenting Teens, Women, Fathers and Their Families,
8/1/2015 - 7/31/2016

Jamie Bleiweiss
Assistant Professor
Special Education
New York City Department of Education; Professional Development Services in Special Education,
7/1/2014 - 6/30/2015

Matthew Caballerio
Associate Dean
School of Education
New York State Education Department; Clinically Rich Intensive Teacher Institute in Bilingual Education & English as a Second Language,
7/1/2015 - 6/30/2016

Charles Michael Drain
Professor
Chemistry
Joan & Sanford I. Weill Medical College of Cornell University; Photosensitizer Chlorin Drug for Diagnostic and PDT Treatment of Dengue,
6/1/2015 - 5/31/2016

Frank Gardella
Associate Professor
SDEM Health Research, Inc; Support for Expectant and Parenting Teens, Women, Fathers and Their Families,
8/1/2015 - 7/31/2016

Robert Gyles
Professor
Curriculum and Teaching
New York City Department of Education; Mathematics and Science Partnership Project,
7/1/2014 - 6/30/2015
Utica City School District; Math Center for Learning & Teaching/ Mathematics and Science Partnerships,
7/1/2014 - 6/30/2015

John Jay College
of Criminal Justice
Ellen Belcher
Assistant Professor & Special Collections Librarian
Library

CUNY 2016 AWARD RECIPIENTS

Lillian Morales
Executive Assistant to the Vice President
Student Development and Enrollment Management
Health Research, Inc.; Support for Expectant and Parenting Teens, Women, Fathers and Their Families,
8/1/2015 - 7/31/2016

Sheryl Smith
Program Director, Adult Learning Center
Continuing Education & Workforce Development
New York Education Department; Workforce Investment Act,
7/1/2015 - 6/30/2016
New York City of the Mayor; Adult Literacy Program,
7/1/2015 - 6/30/2016
NYC Center for Economic Opportunity; Young Men's Initiative,
7/1/2015 - 6/30/2016

Senya Tavares
Program Director
Continuing Education & Workforce Development
Verizon Foundation; Medical and Tech Program,
12/31/2015 - 11/30/2016

Fabian Wander
Student Wellness Manager
Health and Wellness Center,
SDEM Health Research, Inc; Support for Expectant and Parenting Teens, Women, Fathers and Their Families,
8/1/2015 - 7/31/2016

Jamie Bleiweiss
Assistant Professor
Special Education
New York City Department of Education; Professional Development Services in Special Education,
7/1/2014 - 6/30/2015

Matthew Caballerio
Associate Dean
School of Education
New York State Education Department; Clinically Rich Intensive Teacher Institute in Bilingual Education & English as a Second Language,
7/1/2015 - 6/30/2016

Charles Michael Drain
Professor
Chemistry
Joan & Sanford I. Weill Medical College of Cornell University; Photosensitizer Chlorin Drug for Diagnostic and PDT Treatment of Dengue,
6/1/2015 - 5/31/2016

Frank Gardella
Associate Professor
SDEM Health Research, Inc; Support for Expectant and Parenting Teens, Women, Fathers and Their Families,
8/1/2015 - 7/31/2016

Robert Gyles
Professor
Curriculum and Teaching
New York City Department of Education; Mathematics and Science Partnership Project,
7/1/2014 - 6/30/2015
Utica City School District; Math Center for Learning & Teaching/ Mathematics and Science Partnerships,
7/1/2014 - 6/30/2015

John Jay College
of Criminal Justice
Ellen Belcher
Assistant Professor & Special Collections Librarian
Library
40 CUNY 2016 Award

Metropolitan New York Library Council (METRO); Digitizing Policing: Opening Access to Law Enforcement Resources, 11/1/2015 - 6/30/2016

Dara Byrne
Interim Associate Provost and Dean of Undergraduate Studies

Undergraduate Studies

Anthony Carpi
Professor & Associate Provost of Research Sciences/ Office for the Advancement of Research

US Department of Education; A Success Pipeline for Hispanic Students: Expanding a Model Transfer Articulation Program by Supporting Cohort Identity, Academic Progress, and Learner-Centered Curriculum, 1/0/2015 - 9/30/2016

US Department of Education; Creating Hispanic Scientists: A Model Articulation Program between Hispanic Serving Institutions, 10/1/2015 - 9/30/2016

New York State Education Department; College Science and Technology Entry Program (CSTEP), 7/1/2015 - 6/30/2016

Shu Yuan Cheng
Associate Professor of Sciences

Shimadzu Corporation; Equipment Grants for Research Mass Spectrometry Program, 8/3/2015

Marta Concheiro-Guisan
Assistant Professor of Sciences

Shimadzu Corporation; Equipment Grants for Research Mass Spectrometry Program, 8/3/2015

Lynette Cook-Francis
Vice President of Student Affairs

Single Stop USA, Inc.; Single-Stop Services 5/5/2015 - 6/30/2016

Jeffrey Corts
Director, From Punishment to Public Health (P2PH)

Office for Strategic Initiatives Department of Health and Mental Hygiene; From Punishment to Public Health (P2PH), 7/1/2015 - 6/30/2016

Josefin Couture
Director of Educational Talent Search


Yi He
Associate Professor of Sciences

Shimadzu Corporation; Equipment Grants for Research Mass Spectrometry Program, 8/3/2015

Martin Horn
Distinguished Lecturer

Law, Police Science, and Criminal Justice Administration

The Jacob & Valeria Lange-Loth Foundation; Approaches to Reforming Long-Term Isolation: A Convening to Further a National Consensus on Ending the Over-Use of Extreme Isolation, 7/1/2015 - 6/30/2016

Ann Jacobs
Director, Prisoner Reentry Institute

Prisoner Reentry Institute

The Jacob & Valeria Lange-Loth Foundation; Approaches to Reforming Long-Term Isolation: A Convening to Further a National Consensus on Ending the Over-Use of Extreme Isolation, 7/1/2015 - 6/30/2016

Jessica Gordon Nembhard
Professor/ Director, McNair Post-Baccalaureate Program African Studies/ McNair Post-Baccalaureate Program

US Department of Education; Ronald E. McNair Post-Baccalaureate Program, 10/1/2015 - 9/30/2016

Debra Hairston
Director of Special Programs

Graduate & Professional Studies

New York City Department of Homeless Services; Basic Peace Officer Training, 12/1/2014 - 11/30/2017

Stephen Handelman
Director

Center on Media, Crime and Justice


Inter-American Development Bank; Communicating Justice: A Workshop for Senior Public Affairs Specialists and Managers in Law Enforcement, Interior Ministries and other Official Entities in Latin America and the Caribbean, 9/1/2015 - 2/1/2016


The Fortune Society Inc.; College Readiness Program, 7/1/2015 - 6/30/2016

The Pinkerton Foundation; Mentoring Program, 7/1/2015 - 12/31/2016

Iconic 32 LLC; Prison to College Pipeline Donation, 5/1/2015 - 4/30/2020

New York State Division of Criminal Justice Services; Prison to College Pipeline (P2CP), 7/1/2014 - 6/30/2016

J.M. Kaplan Fund; Building Pathways from Prison to College, 7/1/2015 - 6/30/2016

Edward S. Moore Foundation; Workgroup on New York Housing Authority Permanent Exclusions, 3/1/2015 - 11/30/2015


Laura and John Arnold Foundation; Developing a National Agenda for Pretrial Research, 9/17/2015 - 11/30/2016

New York City Council; CUNY Black Male Initiative, 7/1/2015 - 6/30/2016

Ford Foundation; Corridors of College Success, Prison to College Pipeline, 7/1/2015 - 6/30/2016

Ford Foundation; Corridors of College Success, Prison to College Pipeline, 2/1/2015 - 7/31/2016

New York City Young Men’s Initiative; New York City Justice Corps, 7/1/2015 - 6/30/2016

Pinkerton Foundation; Pinkerton Fellowship Initiative, 6/1/2015 - 8/31/2016

David Rockefeller Fund; New York State Prison to College Pipeline Educational Initiatives Expansion, 7/1/2015 - 8/31/2016

The Tow Foundation; Tow Advocacy Fellowship Initiative, 7/1/2015 - 6/30/2016

Jane Katz
Professor

Health & Physical Education

The Agnes Varis Fund; Water Exercise Techniques for Veterans (WETs 4 VETS), 7/1/2015 - 6/30/2016

David Kennedy
Professor/ Director, National Network for Safe Communities

Criminal Justice/ National Network for Safe Communities

U.S. Department of Justice, Office on Violence against Women; The National Network for Safe Communities: An Approach to Reducing Serious Domestic Violence, 10/1/2015 - 9/30/2017

Mayor and Alderman of the City of Savannah; Reducing Serious Violence in Savannah, Georgia, 8/1/2015 - 7/31/2016

City of Paterson, New Jersey; Reducing Serious Violence in Paterson, New Jersey, 7/1/2015 - 6/30/2016

Community Foundation of St. Joseph County; Reducing Serious Violence in South Bend, Indiana, 1/1/2015 - 12/31/2015

Charlotte Walker-Said
Assistant Professor, Human Rights and International Law
John Jay College of Criminal Justice/CUNY

Has mentored students who studied the mistreatment of indigenous people in Ecuador.

2016 AAUP Fellowship for book on law and Christianity in Cameroon.

As co-chair of John Jay’s effort to launch a human rights master’s degree, she wants to “open new career paths in social justice.”
<table>
<thead>
<tr>
<th>Name</th>
<th>Position/Role</th>
<th>Institution/Program</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ernest Lee</td>
<td>Associate Director, McNair Post-Baccalaureate Program/ Adjunct Assistant Professor</td>
<td>McNair Post-Baccalaureate Program/ Political science U.S. Department of Education, Ronald E. McNair Post-Baccalaureate Program</td>
<td>7/1/2015 - 9/30/2016</td>
</tr>
<tr>
<td>Nathan Lents</td>
<td>Professor Sciences</td>
<td>US Department of Education; Creating Hispanic Scientists: A Model Articulation Program between Hispanic Serving Institutions</td>
<td>10/1/2015 - 9/30/2016</td>
</tr>
<tr>
<td>Barry Nemeroff</td>
<td>Director Science and Technology Entry Program (STEP)</td>
<td>Sciences/Science and Technology Entry Program (STEP) New York State Education Department, Science and Technology Entry Program (STEP)</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td>Jodie Roure</td>
<td>Associate Professor Latin American Studies</td>
<td>New York City Council, Ronald H. Brown Law School Prep Program at John Jay College</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td>Edgardo Sanabria-Valentin</td>
<td>Pre-Health Advisor Lead, Research Coordinator, and Project Director Sciences</td>
<td>New York State Education Department, Collegiate Science and Technology Entry Program (CSTEP)</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Executive Director On Stage At Kingsborough Investors Foundation; On Stage at Kingsborough</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>National Grid Education Programs,</td>
<td>6/25/2015 - 5/31/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TRIO Student Support Services,</td>
<td>1/1/2015 - 12/31/2017</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Education: Universal Prekindergarten Services</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Education: Child Development Center,</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Children &amp; Family Services; Childcare Development Block Grant</td>
<td>8/1/2015 - 7/31/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Education: Universal Prekindergarten Services,</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Education: Child Development Center,</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Children &amp; Family Services; Childcare Development Block Grant</td>
<td>8/1/2015 - 7/31/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Education: Universal Prekindergarten Services</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Education: Child Development Center,</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Children &amp; Family Services; Childcare Development Block Grant</td>
<td>8/1/2015 - 7/31/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Education: Universal Prekindergarten Services</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Education: Child Development Center,</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Children &amp; Family Services; Childcare Development Block Grant</td>
<td>8/1/2015 - 7/31/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Education: Universal Prekindergarten Services</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Education: Child Development Center,</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Children &amp; Family Services; Childcare Development Block Grant</td>
<td>8/1/2015 - 7/31/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Education: Universal Prekindergarten Services</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Education: Child Development Center,</td>
<td>7/1/2015 - 6/30/2016</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York City Department of Children &amp; Family Services; Childcare Development Block Grant</td>
<td>8/1/2015 - 7/31/2016</td>
</tr>
</tbody>
</table>
Mary Ortiz
Professor
Biological Sciences
National Institute General Medical Sciences;
Medgar Evers College and KCC Bridges to the Baccalaureate Program,
9/1/2015 - 6/30/2016

Anna Rozenboym
Assistant Professor
Biological Sciences
New York State Education Department; Science Technology Entry Program,
7/1/2015 - 6/30/2020

Elizabeth Sergile
Associate Director
Instructional Services
New York State Education Department; Carl D. Perkins Career & Technical Education Act,
7/1/2015 - 6/30/2016
New York State Education Department; Liberty Partnerships Program,
9/1/2015 - 8/31/2021

Edgar Troudt
Assistant Professor
Tourism and Hospitality
AT&T Foundation; Brooklyn Science Innovation Initiative,
4/15/2015 - 9/30/2015
Capital One Foundation;
MEDGAR EVANS COLLEGE

Bridget Weeks
Professor
Nursing
Ambrose Monell Foundation; Ambrose Monell Foundation Scholarships,
12/15/2015 - 6/30/2016
Switzer Foundation; Switzer Foundation Scholarship Fund,
11/16/2015 - 6/30/2016

Michael Weisenfeld
Director
Tutorial & Academic Support Center
The Carroll and Milton Petrie Foundation; Math Supplemental Instruction,
6/1/2015 - 8/31/2016

Stella Woodruff
Director
Access-Ability Center
Far Funds; Project REACH,
1/1/2016 - 6/30/2016

Hendrick Delcham
Associate Professor
Mathematics, Engineering, and Computer Science
National Institutes of Health; NIH-Bridges to the Baccalaureate,
9/1/2015 - 7/31/2020

Sarah Durand
Associate Professor
Natural and Applied Sciences
National Fish and Wildlife Foundation; Interfidel Wetland Project,
3/1/2015 - 2/28/2021

Bret Eynon
Associate Dean
Office of the Provost
US Department of Education; Title V Project AVANZAR:
Creating Clear Pathways to STEM Education,
10/1/2015 - 9/30/2020

John Hunt
Director
Education and Language Acquisition
DYCD/NYC Department of Youth and Community Development; ESOL Civics,
7/1/2015 - 6/30/2016
Jane MacKillop
Associate Dean
Adult and Continuing Education
NYCDGC/NYC Department of Correction;
NEXT STEPS PROJECT,
7/1/2015 - 6/30/2016

Holly Porter-Morgan
Associate Professor
Natural and Applied Sciences
National Science Foundation; NSF IUSE-GEOPATHS,
9/1/2015 - 8/31/2018

Regina Varin-Mignano
Health & Wellness Education
Grant Development Manager
Student Wellness Center
DHHS/Substance Abuse
and Mental Health Services Administration; CLASS and SASS Front Line Prevention
9/30/2015 - 9/30/2018

Annette Hernandez
Director
SEEK Program
U.S. Department of Education;
Regular Student Support Services Program to Provide Pathways to Success for Low-income First
Generation College Undergraduates,
9/1/2015

Elia Machado
Assistant Professor
Environmental, Geographic and Geological Sciences
Inter-American Institute for Global Change; Improving Preparedness to Extreme Rain Events in Lake Atitlan Watershed through
Education,
3/18/2015

Herminio Martinez
Professor
Middle and High School Education
NYS Higher Education Services Corporation;
NYS GEAR UP (MS 280),
1/5/2015 - 1/1/2015
NYS Office of Children and Family Services;
Student Services - Super Storm Sandy,
1/5/2015
US Department of Education;
Bronx GEAR UP Network,
8/10/2015

Donna McGregor
Assistant Professor
Chemistry
National Science Foundation;
Flipping Chemistry and Biology Classes to Increase Student Engagement and Performance and Effect
Cultural Change in Institutes of Higher Education,
10/1/2015

Rosa Rivera-McCutchen
Assistant Professor
Counseling, Leadership, Literacy, and Special Education
Spencer Foundation/Vassar College; Transitioning from High- Stakes Testing: How Performance Based Assessment
Shapes Instruction, Curriculum, and School Culture,
1/1/2015

Anne Rothstein
Professor
Early Childhood & Education
US Department of Education;
Student Support Services Program for Careers in Teaching Serving Early Childhood, Elementary, Middle and High School Pre-service Teachers,
9/1/2015

Katherine St. John
Professor
Mathematics and Computer Sciences
National Science Foundation;
REU Site: Interdisciplinary Undergraduate Research in Biology Computer Science and Mathematics,
8/1/2015

MEDGAR EVANS COLLEGE

William Bailey
Project Director
Professional and Community Development
New York State Education Department; Science and Technology Entry Program,
7/1/2015 - 6/30/2020

John Brown
Associate Director
Professional and Community Development
New York State Education Department; Science and Technology Entry Program,
7/1/2015 - 6/30/2020

Lehendro Gadson
Project Director
Professional and Community Development
New York City Department of Education; Youth and Community Development; Teen ACTION at Flatbush Beacon,
11/2/2015 - 5/30/2016

Charlotte Hunter
Project Supervisor
Professional and Community Development
New York City Department of Youth and Community Development; Work, Learn & Grow Employment Program,
7/1/2015 - 6/30/2016

Laura James
Project Director
Professional and Community Development
New York City Department of Youth and Community Development; Work, Learn & Grow Employment Program,
7/1/2015 - 6/30/2020

Salika Lawrence
Associate Professor
Education
ASSISTANT PROFESSOR Hao Tang’s world is not quite that of the CBS-TV crime thriller “Person of Interest,” where an all-seeing machine predicts future events. But the U.S. Department of Homeland Security (DHS) does support his research into software that harnesses hundreds of surveillance cameras to predict crowd behavior.

“Homeland Security is very interested in the New York City metropolitan area, which has huge transportation hubs, like the Port Authority bus terminal and Penn Station,” says Tang, who teaches about computer information systems at Borough of Manhattan Community College. “They want to predict what would happen if there is any change in function, or if renovations change the layout, both for normal traffic flow and for emergencies.”

This $50,000 award, one of several funding his ongoing research, comes from the DHS Summer Research Team Program for Minority Serving Institutions and is only the second to a two-year college in 11 years. His teams have included students from BMCC and CCNY, as well as doctoral students.

Tang is part of a multi-university-industry consortium that sounds as if it comes from another TV thriller. CCICADA (the Command, Control and Interoperability Center for Advanced Data Analysis), headquartered at Rutgers University, employs data analytics to address natural and manmade threats to safety and security.

Tang says he “developed software to extract and analyze crowd behavior from real data” from surveillance cameras. “If the results of the software and reality align, that proves our mathematical modeling works well and consistently.”

His initial algorithm counted the people in each surveillance image and tracked their trajectories as they moved from camera to camera. His current work changes statistical methods by measuring crowd density, rather than individuals. (And no, unlike on TV, he doesn’t pinpoint particular individuals in the crowd.)

Tang’s specialty is computer vision, a branch of artificial intelligence. “I take images and try to extract semantic information, including object detection and recognition and 3D modeling reconstruction. It’s training a computer to mimic the human brain. There are so many applications in education, health and defense.”

“The whole world probably has 200 million civilian cameras, but only 1 percent are monitored by human operators, except when something exciting happens. I think the camera and big data can be used not only for archiving – for evidence – but also to predict and prevent bad things from happening. For that, you need an artificial intelligence algorithm to do the video analysis in real time, as the video is being captured.”

Hao Tang and collaborators at City College (professor Zhigang Zhu) and at Rutgers University seek to build on his algorithms that predict crowd behavior in order to give people with disabilities real-time, turn-by-turn navigation through, say, a crowded bus terminal.
Waynesburg University/Library of Congress; Teaching with Primary Source-Writing Project at NEC, 12/1/2015 - 11/30/2016
Augustine Okeke
Provost
Academic Affairs
US Department of Education; Predominately Black Institution Program, 10/1/2015 - 9/30/2020
Sheelah Paul
Associate Dean
Liberal Arts and Education
US Department of Health and Human Services; Medgar Evers College Health Careers Connection Pipeline Project, 9/30/2015 - 7/31/2020
Simone Rodriguez-Dorestant
Dean
Professional and Community Development
New York City Department of Education; Young Adult Borough Center, 7/1/2015 - 6/30/2020
Jo-Ann Rolle
Dean
School of Business
Santander Bank; Financial Literacy, 10/1/2015 - 8/31/2016
Maxine Seales
Project Director
Professional and Community Development
New York City Department of Youth and Community Development; Teen ACTION at Crown Heights Beacon, 11/2/2015 - 5/30/2016
Oriel Straker
Project Director
Academic Affairs
US Department of Education; Predominately Black Institution Program, 10/1/2015 - 9/30/2020
NEW YORK CITY
COLLEGE OF TECHNOLOGY
Reginald Blake
Associate Professor, Physics
National Science Foundation; Recruiting and Retaining Non-Geoscience Minority STEM Majors for the Geoscience Workforce, 9/1/2015 - 8/31/2018
Sandra Cheng
Associate Professor
Humanities
National Endowment for the Humanities; A Cultural History of Digital Technology: Postulating a Humanities Approach to STEM, 11/2016 - 6/30/2017
Soyeon Cho
Assistant Professor
Human Services
US Department of Health & Human Services/Substance Abuse and Mental Health Services Administration; Educating Nursing and Human Service Students to Identify, Provide Intervention and Referral of Individuals At Risk of Substance Use Disorders, 9/30/2015 - 9/29/2018
Carmel Dato
Associate Professor
Nursing
US Department of Health & Human Services/Substance Abuse and Mental Health Services Administration; Educating Nursing and Human Service Students to Identify, Provide Intervention and Referral of Individuals At Risk of Substance Use Disorders, 9/30/2015 - 9/29/2018
Urmil Ghosh-Dastidar
Associate Professor
Mathematics
National Science Foundation; Advancing Student Futures in Science, Technology, Engineering and Mathematics, 6/1/2015 - 5/31/2019
Boyan Kostadinov
Assistant Professor
Mathematics
U.S. Department of Education; MSEIP: Women and Minorities in STEM, 10/1/2015 - 9/30/2018
Anne Leonhardt
Associate Professor
Architectural Technology
National Endowment for the Humanities; A Cultural History of Digital Technology: Postulating a Humanities Approach to STEM, 1/1/2016 - 6/30/2017
Janet Liou-Mark
Professor
Mathematics
U.S. Department of Education; MSEIP: Women and Minorities in STEM, 10/1/2015 - 9/30/2018
Satyanand Singh
Assistant Professor
Mathematics
National Endowment for the Humanities; A Cultural History of Digital Technology: Postulating a Humanities Approach to STEM, 1/1/2016 - 6/30/2017
Jonas Reitz
Associate Professor
Mathematics
US Department of Education; Opening Gateways to Completion: Open Digital Pedagogies for Student Success in STEM, 10/1/2015 - 9/30/2020
Dianna Samaroo
Associate Professor
Chemistry
National Science Foundation; Advancing Student Futures in Science, Technology, Engineering and Mathematics, 6/31/2016 - 5/31/2019
Chemistry
National Endowment for the Humanities; A Cultural History of Digital Technology: Postulating a Humanities Approach to STEM, 1/1/2016 - 6/30/2017
Johann Thiel
Assistant Professor
Mathematics
US Department of Education; MSEIP: Women and Minorities in STEM, 10/1/2015 - 9/30/2018
Melanie Villatoro
Assistant Professor
Construction Management and Civil Engineering Tech
New York State Department of Transportation/Federal Highway Administration; National Summer Training Institute, 7/26/2015 - 8/20/2015
Viviana Vladutescu
Associate Professor
Electrical Engineering Technology
National Science Foundation; Recruiting and Retaining Non-Geoscience Minority STEM Majors for the Geoscience Workforce, 9/1/2015 - 8/31/2018
QUEENS COLLEGE
Mirian Detres-Hickey
Director
Sociology
U.S. Department of Education; DSSS Disabled Student Services, 9/1/2015 - 8/31/2020
Eva Fernandez
Assistant Vice Provost
Center for Teaching and Learning
Jewish Foundation for Education of Women; JEW-CUNY Summer Service Corps, 3/31/2015 - 8/31/2015
NYC Department of Small Business Services; Tech Talent Pipeline Residency at Queens College, 11/23/2015 - 6/30/2017
Allan Ludman
Professor
Collecting Crime Data On Political Extremists

Joshua Freilich presides over what may be the most exhaustive collection of information about political extremists in the United States, from ISIS and al-Qaeda supporters, to domestic antigovernment militia members, to people whose beliefs about issues like abortion, taxes, animal rights and even the environment have erupted into illegal action.

A professor at John Jay College of Criminal Justice, Freilich codirects the United States Extremist Crime Database, an open-source information bank that he and a colleague, Steven Charmak of Michigan State University, began in 2005. This painstakingly detailed and ever-growing catalogue of politically motivated domestic crime forms the raw material for evolving research not only by Freilich and his collaborators, but also by other academics, policy-makers and government officials.

The Department of Homeland Security has awarded the project $4 million and the National Institute of Justice $1 million since it began. That has funded more than 90 researchers and students who code, organize and analyze the details of criminal acts by domestic extremists.

The key word in its name is crime, rather than terrorism, because the database includes activities that may not be acts of terrorism in and of themselves, but are part of the bigger picture. This includes financial and other nonviolent crimes that tend to get less attention from researchers and law enforcement.

“Being a criminologist, I’m focused on crimes committed by extremists, rather than on the label of what is or is not terrorism,” Freilich says, “because if you’re not systematically tracking those crimes along with the acts that meet the definition of terrorism, then you’re not paying attention to all behaviors that might contain useful information.”

For example, he found that extremists who were “lone actors” were more likely to have served in the military and to have histories of mental illness than those who committed criminal acts as members of organized groups. Further, domestic suicide terrorists — nearly 40 in the last 25 years, not counting the September 11 hijackers — tend to be lone actors, but not more likely to be mentally ill than those who commit nonsuicidal attacks, as some have argued.

In a current study funded by the National Institute of Justice, he examines social media. “Most people who have studied online radicalization have looked at recruitment into the movement,” he says. “We’re looking to connect online activity and actual violence in the real world.”

— Joshua D. Freilich

John Jay College of Criminal Justice
Department of Homeland Security,
National Institute of Justice Grants

Guillermo Gerona-Navarro
National Institutes Of Health
Chemical Probes Targeting Polycomb Repressive Complex 2 Gene Repression

Christian Grov
National Institutes Of Health
Club Drug Use And Prep Adherence In Vulnerable Men

Louise Hainline
National Institutes Of Health
Biomedical Research Training For Minority Honor Students At Brooklyn College

Amy Ikui
National Institutes Of Health
Biomedical Research Training For Minority Honor Students At Brooklyn College

Xinyin Jiang
National Institutes Of Health
Effects Of Choline On Fetal Growth and Lipid Accretion In Gestational Diabetes

Joshua Freilich
John Jay College of Criminal Justice
Department of Homeland Security,
National Institute of Justice Grants

CUNY American Dream Machine

48 CUNY 2016 AWARD RECIPIENTS
Extremist Crime Database (ECDB)
Laura Juszczak  
National Institutes Of Health  
Edge-On/Face-On: Trp Tripeptides Model Residue Interactions In Proteins

Sharona Levy  
United States Department Of Education  
Brooklyn College Educational Talent Search Program

Catherine McIntee  
New York State Department Of Education CSTEP

Catherine McIntee  
New York State Department Of Education  
Science And Technology Entry Program (STEP) 2015-2020

Lorraine Mondesir  
United States Department Of Education  
Childcare Access Means Parents In School

Ryan Murelli  
Department Of Health And Human Services/National Institute Of Health  
Biological Studies Of Alpha-Hydroxytropolones

Ryan Murelli  
National Institutes Of Health  
Biological Studies Of Alpha-Hydroxytropolones

Ryan Murelli  
St Louis University  
Optimization Of Alpha-Hydroxytropolones As Novel Inhibitors of the Hbv Rnsae

Marina P. Torrente  
National Institutes Of Health  
Epigenetics In Neurodegenerative Disease: Targeting Histone Modifications In ALS

Juergen Polle  
University Of California, San Diego  
A Systems Biology And Pond Culture-Based Understanding And Improvement Of Metabolic Processes Related To Productivity In Diverse Micronaigal Classes For Viable Biofuel Production

Diane Reiser  
New York City Department Of Youth And Community Development  
OST Middle School Expansion

Diane Reiser  
New York City Department Of Youth And Community Development, OST Additional Public School Site

Diane Reiser  
New York City Department Of Youth And Community Development  
SONYC Programs

Diane Reiser  
Playland/Agnes Varis Trust  
Brooklyn College Art Lab

Nancy Romer  
New York State Department Of Education  
Extended School Day

Laurie Rubel  
National Science Foundation  
Learning Mathematics of the city in the city

Anthony Scilafani  
National Institutes Of Health  
Carbohydrate Appetite, Fat Appetite, And Obesity

Mark Ungar  
Canadian Department Of Foreign Affairs, Trade And Development  
Start Global Peace And Security Fund Program

Luis Quadri  
NPOR/Sloan-Kettering Memorial Cancer  
Rational Design Of Adenylate Kinase Inhibitors

CITY COLLEGE  
Robert Alfano  
Corning Inc.  
Optical Information Storage In Chromium Doped Ionic Crystal

Asaon Amarasingham  
Department Of Defense Nonparametric Interference Of Synchronization Properties From Intracellular Neurophysiological Signals

Asaon Amarasingham  
National Institutes Of Health  
Identification And Plasticity Of Neuronal Microcircuits

Teresa Bandosz  
Army  
Insight Into Multifunctional Reactive Adsorbents: Engaging Chemistry, Porosity, Photocactivity And Conductivity Into Decontamination Process

Elizabeth Biddinger  
Minority Serving Institutions  
Science, Technology, Engineering And Mathematics Research & Development Consortium, Absorbents For Use In Building-Integrated Plant-Based Dynamic Filtration Media For Removing Chemical Warfare Agents

Marom Bikson  
Actuated Medical, Inc  
Phase II: Grip-Reposition Miniaturized Stable Working Platform For Minimally Invasive Procedures Inside Active Organs

Mark Bisceo  
National Institutes Of Health  
The Use Of Optically Active Nucleophiles In Metal-Catalyzed Coupling Reactions

Michael Bobker  
New York State Energy Research & Development Authority  
Workforce Training For Energy Efficiency

Vincent Boudreau  
Various Private Sources  
Colin Powell Center For Policy Studies

Zimei Bu  
University Of Pittsburgh  
Hormonal Regulation Of Nherf1

Luis Cardoso  
National Institutes Of Health  
Mechanical Function Of Trabecular Bone: Bone Loss Assessment Beyond BMD

Ana Carnaval  
National Science Foundation  
Dimensions US-Biota-Sao Paulo: A Multidisciplinary Framework For Biodiversity Prediction In The Brazilian Atlantic Forest Hotspot

Jon Craig Horvitz  
National Institutes Of Health  
Does The Nucleus Accumbens Core Play Only A Transient Role In Conditioned Reward

Eisele Doerthe  
National Science Foundation  
MRI: Acquisition Of A Multi-Functional Near-Field Scanning Optical Microscopy System To Establish A Cross-Disciplinary Nano-Imaging/Spectroscopy Laboratory At CCNY

Mary Driscoll  
New York City Department Of Education  
Leadership Online Collaborative Course And Support: Creating A Strong Implementation Plan For Your School/District

Timothy Ellmore  
National Institutes Of Health  
A Neurobehavioral Study Of The Interactions Between Working And Long-Term Memory

Mark Emerson  
National Eye Institute  
Transcriptional Regulation Of Cone Photoreceptor Genesis

Beverly Falk  
Foundation For Child Development  
High Quality Culturally Relevant UPK Practices Across Communities

Felice Ghilardi  
University Of Wisconsin  
Do Single Neurons Need To Sleep And Why?

Ranajeeet Ghose  
National Science Foundation  
Intergovernmental Personnel Act Assignment

Jorge Gonzalez  
New York State Department Of Education Office Of Postsecondary Education  
The Alliance For Continuous Innovative Learning Environments In Stem

Marilyn Gunner  
National Science Foundation  
Thermodynamics and Kinetics Of Electron and Proton Transfers In Proton Pumping Proteins

Jerry Guyden  
National Institutes Of Health  
Cellular/Molecular Basis Of Development: Research Center

Ramona Hernandez  
New York City Council Libraries And Archives

Sally Hoskins  
National Science Foundation  
Leveraging Faculty Expertise In Create Pedagogy To Transform Teaching And Maximize Student Outcomes Through Courses Focused On Scientific Literature At 2- And 4-Year Institutions

David Jeruzalmi  
National Science Foundation  
The Bacterial Nucleotide Excision Repair Pathway: Structure And Mechanism

George John  
National Institute Of Food And Agriculture  
City University Of New York Food Materials Mentoring Program

Camille Kamga  
New Jersey Department Of Transportation  
University Transportation Research Center
On January 13, 2016, three people shared a $1.58 billion Powerball jackpot, beating the approximately 1 in 292 million odds of winning. For perspective, they had a far greater chance of being struck by lightning (1 in 960,000 a year) — but tell that to the people who bought more than 635 million of the $2 tickets that week.

But this is not a story about probability. It’s about a clever approach to math education devised by Brooklyn College associate professor Laurie Rubel, who is taking her instructional ideas to Israel on a 2016 Fulbright grant. In addition, the Smithsonian’s Cooper Hewitt Museum will highlight her lottery-based instructional approach in an exhibition on socially responsible design (Sept. 30, 2016, through Feb. 26, 2017).

Her secondary education classes usually attract mathematics teachers from Brooklyn public schools. She has won two National Science Foundation grants. One, in 2008, was an Early Career Development Award that sent her into New York City high school classrooms for research and one-on-one teacher professional development. The other, in 2013, led to curricula that involved students in their local communities “to connect them to things that carry meaning to their everyday lives.”

She works with “schools whose kids are struggling. This is a different spin on remediating entry-level mathematics.”

Cooper Hewitt will include one of two “spatial justice” modules she developed in partnership with MIT digital researchers. Using public data, she asked high school students in Brooklyn and Manhattan — and, with extra funding from CUNY, Hostos Community College — to explore digital maps showing where tickets are bought, where prizes are won, and at what intensity. (The Powerball winners lived way beyond the outer boroughs, in Chino Hills, Calif.; Munford, Tenn.; and Melbourne Beach, Fla.)

“Students walked around Bushwick and asked people if they played the lottery, how much they spend each week and what they would do if they won. People don’t talk about buying fancy cars, but about basic needs and taking care of their families. These stories round out students’ experience and get attached to the math.”

Rubel will use her Fulbright to teach and conduct research at Tel Aviv University in the spring of 2017, working with professors who had inspired her when she earned her master’s there some 20 years ago. She also will work with Israeli secondary school teachers on integrating social and cultural perspectives into their teaching.

One of Laurie Rubel’s high school “spatial justice” assignments has students map neighborhood check-cashing, pawnshop and wire-transfer stores. She asks them: “What does it mean if my neighborhood has mostly the financial places that are not investing locally the way the bank could?”

— Laurie Rubel
Brooklyn College
Fulbright Fellowship
Sihong Wang
The Pershing Square Foundation
Preclinical Validation Of A 3D Tumor Microfluidic Array

Urs Jans
Minority Serving Institutions Stem Research & Development Consortium Using the Hard and Soft, Acids and Bases (HSAB) Theory to Predict Organophosphates - Target Interactions

Maurizio Trevisan
College Fund-Various Private Sources Provost-Reimbursement-FY15

COLLEGE OF STATEN ISLAND
Zaghloul Ahmed
National Institutes Of Health Spinal Sciatic Direct Current Stimulation Normalizes Muscle Tone In Spinal Cord Injured Animals With Spasticity

Zaghloul Ahmed
New York State Department Of Health Effects Of Spinal Cord Stimulation

Sarah Berger
National Science Foundation
The Role Of Sleep In Infant Motor Learning

A. Ramona Brown
New York State Department Of Education Collegiate Science Technology Entry Program

A. Ramona Brown
New York State Department Of Education Science Technology Entry Program

Jane Coffee
National Science Foundation Robert Noyce Teacher Academy At The College Of Staten Island

Christopher Cruz Cullari
New York State Office Of The Mayor Adult Literacy Program

Christopher Cruz Cullari
New York State Education Department Workforce Investment Act

Lisa Ebert
New York City Council Tech Incubato

Lisa Ebert
New York State Education Department Liberty Partnerships Program

Debra Evans-Greene
New York State Department Of Education Collegiate Science Technology Entry Program (CSTEP)

Maria Knikou
Craig H. Neilsen Foundation Transpinal Stimulation To Increase Neuroplasticity And Recovery

Maria Knikou
New York State Department Of Health, Effects Of Spinal Cord Stimulation

Michael Kress
New York City Council Tech Incubator

Michael Kress
New York State/United States Department Of Housing And Urban Development Go To High Ground

Michal Kruk
National Science Foundation Design Of Novel Large-Pore Nanoporous Materials Through Understanding Of Micelle Templating Process

Irina Lyublinskaya
National Science Foundation Robert Noyce Teacher Academy At The College Of Staten Island

Dan McCloskey
National Science Foundation Career, BCSP: Network Level Analysis Of Oxytocin Regulation Of Naked Mole Rat And Hippocampal Neuron Interactions

Vadim Oganessian
National Science Foundation Quantum And Semi-Classical Dynamics Of Random Spin Chains: Models And Methods For Quantum Non-Ergodic Statistical Physics

Andrew Poje
University Of Miami The Consortium For Advanced Research On Transport Of Hydrocarbon In The Environment (CARTHE) ll

Gary Reichard
New York State Department Of Education, CSTEP

Gary Reichard
New York State Department Of Education, STEP

Gary Reichard
New York State Education Department Liberty Partnerships Program

Susan Sullivan
National Science Foundation Robert Noyce Teacher Academy At The College Of Staten Island

Allen Tesdall
National Science Foundation Analysis Of Multidimensional Problems For Nonclassical Shocks And Classical Shock Reflection

Nelly Tournaki
National Science Foundation Robert Noyce Teacher Academy At The College Of Staten Island

Shuqin Zhou
National Science Foundation Design Of Novel Large-Pore Nanoporous Materials Through Understanding Of Micelle Templating Process

William J. Fritz
New York State Education Department/VEA Perkins Funding For Career And Technical Education

GRADUATE SCHOOL AND UNIVERSITY CENTER
Clare Carroll
Renaissance Society Of America, Inc. Support For The Renaissance Studies

Howard Everson National Science Foundation Evaluation Of MSP In NYC 2 -- A New Partnership To Transform Urban Secondary School Mathematical And Science Experiences

Howard Everson
New York State Education Department Designing And Evaluating NYS Education Department's Race To The Top Initiative

Matthew Gold
National Endowment For The Humanities Opening Humanities Education With The Commons In A Box And The Openlab

Deborah Hecht
New York State Education Department Designing And Evaluating Of NYS Education Department's Race To The Top Initiative

Bruce Homer
University Of California, Santa Barbara / Focused Computer Games To Promote Specific Cognitive Skills

Elaine Klein
New York City Department Of Education The SIFE Curriculum

Ricardo Otheguy
New York State Education Department New York State Bridges To Academic Success Initiative

Donna Ray Thompson
National Endowment For The Humanities, Visual Culture Of The American Civil War And Its Aftermath

Tony Ro
National Science Foundation Cortical Dynamics In Visual Perceptions

Thomas Weiss
Humanity United Global Centre For The Responsibility To Protect Engagement With UN Human Rights

Thomas Weiss
Swedish Ministry Of Foreign Affairs Post-2015 Development: Strengthening The UN's Ideational And Operational Role

Douglas Whalen
National Institutes Of Health
New York City has 121,000 blocks. He’s walked all of them. But when it comes to teaching, he still asks for the introductory sociology class. “It gives me the chance to turn people on to what I love doing most.”

Author or editor of 15 books, including *The New York Nobody Knows: Walking 6,000 Miles in the City*.

“You get students to realize their dreams by encouraging them to ask questions...If I don’t have the answers, we’ll find someone who does.”
What would have happened during the Cuban Missile Crisis had United Nations Secretary-General U Thant not secretly shuttled messages between U.S. President John F. Kennedy and Soviet Premier Nikita Khrushchev? Or if the World Health Organization had not eradicated smallpox between 1966 and 1977? Or if the Nobel Peace Prize-winning U.N. Intergovernmental Panel on Climate Change had not built the scientific consensus about what’s necessary to save the planet?

Such “counterfactuals,” or “what-ifs,” are at the heart of the latest work by Thomas G. Weiss, the CUNY Graduate Center Presidential Professor of Political Science. In 2016, the Andrew Carnegie Fellows Program awarded him a prestigious and highly competitive fellowship that provides $200,000 for research and writing.

What if the U.N. had not been founded after the devastation of World War II?

“The world would be a poorer, less humane and more dangerous place and, in the future, less environmentally sustainable,” says Weiss, who has long studied the U.N. and other international organizations. “If you have global problems, you need global solutions and, on occasion, global reach to implement them.”

Take the 1973 Arab-Israeli War when, then-Secretary of State Henry Kissinger has said, the United States was a hair’s breadth from nuclear alert until U.N. peacekeepers arrived.

Besides considering how the U.N. has improved world order, Weiss also examines a second set of “what-ifs,” namely when the world organization could and should have acted differently.

Consider 1994, when 800,000 Rwandans were murdered after the U.N. failed to act on evidence of a planned genocide; and, once the slaughter began, actually reduced, rather than increased, the number of blue-helmeted peacekeepers who were already there.

His book on the subject will come out between 2018 and 2020, a period that includes the early days of the next secretary-general’s term, the 75th anniversary of the U.N. Charter and the 100th anniversary of the defunct League of Nations, an earlier attempt to substitute talk for arms.

His takeaway: “If there were a conception of a larger collective good that encompasses national differences, that would make things a whole lot easier. Perhaps we’d like our grandchildren to be able to breathe ... and solve a host of problems that single states cannot, such as when we confined the Ebola pandemic to a few states in West Africa and a few returning nurses in the West. Part of the effort is redefining U.S. vital interests.”

“Forever one has heard that if the U.N. didn’t exist, we’d have to invent it. I thought I’d take that proposition seriously and apply my 45 years of accumulated knowledge to tell stories in a different and more persuasive way.”

— Thomas G. Weiss

— Thomas G. Weiss
CUNY Graduate Center
Andrew Carnegie Fellowship
Evelyn Fernandez-Ketcham
Pinkerton Foundation
Community Partnership For College

Evelyn Fernandez-Ketcham
United States Department Of Health & Human Services
Health Profession Opportunity Grant To Serve TANF Recipients: Allied Health Career Pipeline

Moise Koffi
New York State Education Department
CSTEP

Dana Lennon
Department Of Health And Human Services/United States Department Of Health Resources And Services Administration
Health Career Opportunity Program

Debra Mack-Glasgow
New York City Human Resource Administration/CUNY Jobs Plus

Christine Mangino
New York State Education Department
CSTEP

Christine Mangino
New York State Education Department
STEP/Proyecto Access

Peter Mertens
New York City Center For Economic Opportunity/CUNY Young Man’s Initiative Program

Carlos Molina
United States Department Of Health And Human Services
Hostos Allied Health Career Pipeline Program

Lilian Morales
NPORG/Health Research, Inc. Support For Expectant And Parenting Teens

Olga Steinberg-Neifach
Cornell University/National Science Foundation
Mechanisms And Evolution Of Budding Yeast

Ninoska Uribe
United States Social Security Administration
Work Incentives Planning And Assistance Program

Fabian Wander
NPORG/Health Research Support For Expectant And Parenting Teens

HUNTER COLLEGE
Robert Abramovitz
Fordham University/Substance Abuse & Mental Health Service Administration
Creating & Sustaining The Next Generation Of Trauma-Informed Practitioners

Philip Alcabes
New York City Department Of Health And Mental Hygiene
Mental Health Service Corps

Spiro Alexandratos
United States Department Of Energy
Recovery Of Uranium From Seawater: Polymer Supported Aminophosphinates As Selective

Jesus Angulo
Joan & Sanford I. Weill Medical College Of Cornell/ National Institutes Of Health
Clinical & Translational Science Center

Jesus Angulo
PHS/NIH/National Institute On Minority & Health Disparities
Research Center In Minority Institutions: Center For Gene Structure And Function Confocal Microscope

Jill Bargonetti
Breast Cancer Research Foundation
Estrone Driven MDM2 Signaling And Mutant P53 Signaling In Breast Cancer

Jamie Bleiweiss
New York City Department Of Education
Professional Development Services In Special Education

Diana Bratu
National Science Foundation
Career: Characterization Of Translation Silencing Complexes During Oskar mRNA Transport & Localization

Derrick Brazill
PHS/NIH/National Institute Of General Medical Sciences
Interdisciplinary Biomedical Research Training At Hunter

Andrew Burgie
Rutgers University
Hazardous Worker Training Program

Matthew Caballero
New York State Education Department
2013-2016 21st Century Community Learning Centers Program

Barry Cherkas
New York City Department Of Education
Mathematics And Science Partnerships Project

Elizabeth Cardoso
United States Education Department
Long-Term Training: Rehabilitation Counseling

Der-Lin Chao
Institute For International Education
K-12 Blended Learning Pilot Program

Rachel Chase
New York State Education Department
2013-2016 21st Century Community Learning Centers Program

Kelle Cruz
National Science Foundation
Collaborative Research: Deciphering Brown Dwarf Spectra: Disentangling Temperature, Age, Metallicty, Cloud Signatures

Tracy Dennis
PHS/National Institutes Of Health/National Institute Of Mental Health
Attention Bias Modification For Anxiety: A Randomized Control Trial With Biomarkers
Sarit Golub
PHS/NIH/National Institute
On Alcohol Abuse &
Alcoholism
Intervention To Enhance
Prep Uptake & Adherence
In A Community-Based
Setting

Daniel Herman
New York City Department
Of Health & Mental Hygiene
Assertive Community Treatment
In New York City

Michael Hoyt
PHS/NIH/National Cancer
Institute
Emotion-Regulation,
Inflammatory Processes,
& Depression In Prostate
Cancer Survivors

Karen Koellner
University Of Colorado/Na-
tional Science Foundation
An Efficacy Study Of The
Learning & Teaching
Geometry Professional
Development Materials

Julia Lathrop
Westat/Conrad N. Hilton
Foundation,
Foster Youth Initiative
Ekaterina Likhit
PHS/National Institutes Of
Health/National Institute Of
Mental Health
Modulation Of Fear & Safety
In The Basal Forebrain-
amygdala-Prefrontal
Network

Pepe Maitra
National Science Founda-
tion
Molecules In Nonpertur-
Bative Fields: Improving
Time Dependent Density
Functional Approximations

Gerald Mallon
New York State Office
Of Children And Family
Services
Community Case
Management Institute

Denis Nash
Health Research
Foster Youth Initiative

Carol Oliver
United States Education
Department
Ronald E. McNair Postbac-
calaureate Achievement
Program

Benjamin Ortiz
PHS/NIH/National Institute
Of General Medical
Sciences
Research Initiative For
Scientific Enhancement
Program: Minority Biomi-
dical Research Program

Jeffrey Parsons
PHS/NIH/National Institute
Of Drug Abuse
Multicomponent Interven-
tion To Reduce Sexual Risk
And Substance Abuse

Jeffrey Parsons
New York University/Na-
tional Center For Chronic
Disease
New York University/
City University Of New
York Health Promotion &
Prevention

Jeffrey Parsons
Northwestern University/
National Institute
On Drug Abuse
Efficacy Of Internet-Based
HIV Prevention

Jeffrey Parsons
PHS/NIH/National Institute
On Drug Abuse
& Alcoholism
Improving HIV & Alcohol-
Related Outcomes Among
Persons In Clinic Settings

Jeffrey Parsons
University Of Minnesota/
National Institutes Of
Health/NIDA
A Technology-Delivered
Peer-To-Peer Support ART
Allowance Intervention For
HIV-Positive
Adults

Jeffrey Parsons
Wayne State University/Na-
tional Institute On Alcohol
Abuse And Alcoholism
Comparing the Effective-
ness Of Two Alcohol-Ad-
herence Interventions For
HIV-Positive Youth
Award From President Obama For Early Career Research

ARE SOME PEOPLE destined to be helpful and sociable because they produce more of a particular hormone than normal? And are people who don’t produce enough predisposed to autism, schizophrenia and other conditions that make them less sociable? The answers may lie in a CUNY scientist’s research into a thumb-sized, walrus-tusked mammal whose ancestors burrowed underground 35 million years ago.

President Obama recognized the significance of this research by granting College of Staten Island associate psychology professor Dan McCloskey a rare and prestigious Presidential Early Career Award for Scientists and Engineers. The National Science Foundation, which has supported his research since 2012, nominated him; CUNY also funds his work.

The NSF says McCloskey combines “modeling, neurophysiology, and systems biology/network science that will transform the field of social neuroscience by providing a comprehensive approach toward understanding the role of neuropeptides in complex behavioral systems.”

He examines oxytocin, a hormone that also influences human social bonding, in the social structure of the African naked mole rat. When mole rats (which are neither moles nor rats) moved underground millions of years ago, “They changed all the rules” for mammals, McClosky says.

Because they nested in 85-degree-Fahrenheit soil in what is now Kenya, they could dispense with most of the temperature-regulating system that aboveground mammals need, like fur (which is why they’re called naked).

More interesting, they have a bee-like social structure with a queen, who alone breeds for the colony, and workers who perform different functions. But which animals do what and why confounded McCloskey — until McCloskey teamed up with the CUNY High Performance Computing Center at CSI.

He places a tiny radio frequency transmitter in each animal to track each of the millions of movements that occur daily in the six colonies in his lab, “whether they’re carrying food, or nest-building material or digging a tunnel.”

Michael Kress, the center’s executive director and the college’s vice president for information technology and economic development, helped develop the system.

At any time, McCloskey says, “We’re tracking about 100 animals. We get a profile of each animal and what makes it special. We watch how they interact as we give them challenges, such as seeing who will help build the nest for the queen, or finding a new food source or carrying the pups. We track animals for months or years.”

They discovered that certain animals are “superhelpers,” while others are slackers. “Consistently, the same animals are the superstars who help out.” His team tries “to figure out where in the brain the impulse to help comes from” and precisely how and where oxytocin acts in the brain.

As for the slackers, “I believe they have some utility and maybe we haven’t figured it out yet.”

McCloskey discovered mole rats after his sister gave him a fact-a-day calendar in 2006. It inaccurately claimed that the mole rat was the only cold-blooded mammal (they’re warm-blooded, but regulate body temperature in a very narrow range). “I was doing epilepsy research, which I still do, and I thought they would be great models for how environment affects the brain.”

— Dan McCloskey

College of Staten Island
Presidential Early Career Award for Scientists and Engineers
Roger Sherwood  
Robin Hood Foundation  
Project For Return & Opportunities In Veterans Education

Rosanne Silberman  
Lavelle Fund For The Blind Inc.,  
Training Program For Teachers Of Orientation & Mobility Skills For People With Visual Impairments

William Solecki  
Columbia University/ National Oceanic And Atmospheric Administration  
Supporting Regional Implementation Of Integrated Climate Resilience

Tyrel Starks  
PHS/NIH/National Institute On Drug Abuse  
Addressing Substance Use Through CVCT  
Offer Tchernichovski  
PHS/NIH/National Institute On Deafness & Other Communication Disorder  
Behavior Mechanism Of Vocal Imitation

Robert Thompson  
National Science Foundation  
Mathematics & Science Teacher Education Residency

Lorna Thorpe  
Centers For Disease Control And Prevention/National Center For Chronic Disease Prevention & Health Promotion  
New York University, City University Of New York Health Promotion & Prevention

Willie Tollever  
New York Community Trust  
Social Work Education Infusion Initiative: Helping City Workers Better Serve People In Need

Jennifer Tuten  
New York Community Trust  
Assistance To 2nd Grade Teachers To Provide High Quality Reading Instruction In 3 East Harlem Schools

Ana Ventuneac and Jeffrey Parsons  
PHS/National Institutes Of Health/National Institute On Drug Abuse  
A Structural Intervention To Improve Substance Abuse Diagnosis & Treatment Practices In HIV Clinic Settings Senior

Levi Waldron  
Rosewell Park Cancer Institute/National Cancer Institute  
Cancer Genomics: Integrative & Scalable Solutions In R/Bioconductor

Elaine Walsh  
New York City Department Of Education  
Liberty Partnership Program

Jeanne Weiler  
National Science Foundation  
Hunter College Noyce Science Scholar Program -- Phase 2  
Lei Xie  
PHS/NIH/National Library Of Medicine  
Drug Discovery By Integrating Chemical Genomics & Structural Systems Biology

Brian Zeglis  
PHS/NIH/National Cancer Institute  
Targeted Radioimmunotherapy Based On Bioorthogonal Click Chemistry

Shengqiao Zheng  
National Science Foundation  
New Strategies & Methods For Synthesis Of Indoles & Carbozoles

John Jay College Of Criminal Justice  
Jeffery Butts  
New York City Department Of Health And Mental Hygiene  
Assessing Infrastructure Of Behavioral Health Services In NYC

Jeffrey Butts  
The Annie E Casey Foundation  
Evidence Generation For Youth Services

Dara Byrne  
Robin Hood Foundation  
Acceleration, Completion, Engagement (Ace) Program

Anthony Carpi  
New York State Education Department  
Collegiate Science And Technology Entry Program (CSTEP)

Anthony Carpi  
Savannah River Nuclear Solutions, Llc  
A Mechanistic Investigation Of Reduction And Volatilization Of Mercury Contaminants In Soil At The Oakridge Y-12 National Security Complex

Shu-Yuan Cheng  
Shimadzu Corp.  
Equipment Grant For Mass Spectrometry Program  
Yi He  
Shimadzu Corp.  
Equipment Grant For Mass Spectrometry Program

Ann Jacobs  
Ford Foundation  
Corridors Of College Success, Prison To College Initiative

Ann Jacobs  
Laura And John Arnold Foundation  
Developing A National Agenda For Pretrial Research

Ann Jacobs  
New York State Division Of Criminal Justice Services  
Prison To College Pipeline

Ann Jacobs  
Pinkerton Foundation  
Pinkerton Fellowship Initiative

Ann Jacobs  
The Pinkerton Foundation  
College Initiative Mentoring Program

Stephen Handelman  
The Tow Foundation  
Troubled Kids: Changing The Culture Of Juvenile Justice

Maria Hartwig  
United States Department Of Justice — Federal Bureau Of Investigation  
Implicit Influences In Investigative Interviews: Expansion And Cross-Cultural Validation

Maria Hartwig  
United States Department Of Justice — Federal Bureau Of Investigation  
Moving Forward: Bringing About Change In Interrogation Practice

Maria Hartwig  
United States Department Of Justice — Federal Bureau Of Investigation  
Validation Of The Strategic Use Of Evidence Technique: The Impact Of Culture And Criminal Experience

Yi He  
Shimadzu Corp.  
Equipment Grant For Mass Spectrometry Program

The Oakridge Y-12 National Contaminants In Soil At A Mechanistic Investi- 
Savannah River Nuclear (CSTEP)  
Technology Entry Program Collegiate Science And Technology Entry Program (CSTEP)
Ann Jacobs  
The Tow Foundation  
Tow Advocacy Fellowship Initiative  

David Kennedy  
City Of Paterson, New Jersey  
Reducing Serious Violence In Paterson, New Jersey  

David Kennedy  
Community Foundation Of St Joseph County  
Reducing Serious Violence In South Bend, Indiana  

David Kennedy  
Department Of Justice Via The Chicago Police Department  
Chicago Police Department Victims Of Violence In Targeted Communities Initiative  

David Kennedy  
Mayor And Alderman Of The City Of Savannah  
Reducing Serious Violence In Savannah, Georgia  

David Kennedy  
Mayor And City Council Of Baltimore -- Baltimore Police Department  
Reducing Serious Violence In Baltimore, Maryland  

David Kennedy  
New York State Department Of Criminal Justice Services Gun Involved Violence Elimination  

David Kennedy  
Pritzker Foundation  
Reconciliation And Truth-Telling In Chicago -- Driving Real Change Between The Chicago Police Department And Alienated Chicago Communities  

David Kennedy  
State Of Connecticut Via University Of New Haven  
Reducing Serious Violence In The State Of Connecticut  

David Kennedy  
The John D. And Catherine T. MacArthur Foundation  
Chicago Group Violence Reduction Strategy  

David Kennedy  
United States Department Of Justice -- Office Of Justice Programs National Center For Building Community Trust And Justice  

Bilal Khan  
National Institutes Of Health Via New York University  
Addressing Hepatitis C And Hepatocellular Carcinoma: The Current And Future Epidemics  

Nathan Lents  
United States Department Of Education  
Creating Hispanic Scientists: A Model Articulation Program Between Hispanic Serving Institutions  

Anne Lopes  
New York City Department Of Health And Mental Hygiene From Punishment To Public Health (P2PH)  

Timothy Luke  
United States Department Of Justice  
Federal Bureau Of Investigation Validation Of The Strategic Use Of Evidence Technique: The Impact Of Culture And Criminal Experience  

Silvia Mazzula  
Robert Wood Johnson Foundation  
Expanding The Latina Researchers Network To Build Community, Diversify Research Capacity, And Foster Interdisciplinary Collaborations  

Barry Nemeroff  
New York State Education Department Science And Technology Entry Program (STEP)  

Jason Rauceo  
National Institutes Of Health  
Pathogenic Yeast Stress Signaling Networks  

Edgardo Sanabria-Valentin  
New York State Education Department Collegiate Science And Technology Entry Program (CSTEP)  

Kate Szur  
United States Department Of Education  
A Success Pipeline For Hispanic Students: Expanding A Model Transfer Articulation Program By Supporting Cohort Identity, Academic Progress, And Learner-Centered Curriculum  

Karen Texeira  
United States Department Of Education  
Upward Bound Program Dana Trimboli Single Stop Usa, Inc Single-Stop Services  

Philip Yanos  
Department Of Health And Human Services Examining Determinants Of Community Participation Among Persons With Psychiatric Disabilities  

Philip Yanos  
National Institutes Of Health Randomized Controlled Trial Treatment For Internalized Stigma In Schizophrenia  

Jeffrey A Butts  
New York City Council Implementation And Outcome Assessment Of The New York City Anti-Gun Violence Initiative  

Ann Jacobs  
New York City Center For Economic Opportunity New York City Young Men’s Initiative The New York City Justice Corps  

David Kennedy  
United States Department Of Justice Office On Violence Against Women The National Network For Safe Communities: An Approach To Reducing Serious Domestic Violence  

Edgaro Sanabria-Valentin  
New York State Education Department Collegiate Science And Technology Entry Program (CSTEP)  

Kate Szur  
United States Department Of Education  
A Success Pipeline For Hispanic Students: Expanding A Model Transfer Articulation Program By Supporting Cohort Identity, Academic Progress, And Learner-Centered Curriculum  

Karen Texeira  
United States Department Of Education  
Upward Bound Program Dana Trimboli Single Stop Usa, Inc Single-Stop Services  

Philip Yanos  
Department Of Health And Human Services Examining Determinants Of Community Participation Among Persons With Psychiatric Disabilities  

Philip Yanos  
National Institutes Of Health Randomized Controlled Trial Treatment For Internalized Stigma In Schizophrenia  

Jeffrey A Butts  
New York City Council Implementation And Outcome Assessment Of The New York City Anti-Gun Violence Initiative  

Ann Jacobs  
New York City Center For Economic Opportunity New York City Young Men’s Initiative The New York City Justice Corps  

David Kennedy  
United States Department Of Justice Office On Violence Against Women The National Network For Safe Communities: An Approach To Reducing Serious Domestic Violence  

Kingsborough Community College  
Stephanie Akunvbey Robin Hood Foundation Opening Doors Learning Communities Babette Audant Mayor’s Center For Economic Opportunity, NYC/Young Men’s Initiative CUNY Fatherhood Academy At Kingsborough Community College Babette Audant Mayor’s Fund To Advance New York City Project Rise  

Natalie Bredikhina  
New York State Office Of Temporary & Disability Assistance Supplemental Nutrition Assistance, Employment And Training (SNAP&T) Venture To Success Program  

Peter Cohen  
The Carroll And Milton Petrie Foundation Math Supplemental Instruction Center  

Michael Weisenfeld  
The Carroll And Milton Petrie Foundation Math Supplemental Instruction Center  

Laguardia Community College  
Claudia Baldonado New York City Department Of Probation Young Adult Justice Program Community  

Ada Bedor  
COPE GSI LaGuardia  

Amy Dalsimer  
Fund/Robin Hood Foundation GED Bridge  

Hendrick Delcham  
Department Of Health And Human Services/National Institutes Of Health LaGuardia Bridges To The Baccalaureate
Rosa Figueroa  
NPORG/Research Foundation/SUNY  
The New York State Small Business Develo

Francesca Fiore  
United States Education Department/Office of Post-secondary Education  
Veterans Upward Bound

Adjae Gzifa  
New York City Department Of Youth And Community Development  
SYEP-DOE

Robert Hills  
United States Education Department/Office of Special Education And Rehabilitative Services  
Interpreter Education Program

Bruce Hoffacker  
New York State Education Department  
Carl D. Perkins Career And Technical Training

Anne Campos  
New York State Education Department/Office of Adult Career And Continuing Education Services  
Adult Basic Education And Literacy Services

John Mogulescu  
New York City Department Of Correction, Next Steps Project

Jane Schulman  
Robin Hood Foundation  
Green Jobs Training Program

Regina Varin-Mognano  
Department Of Health And Human Services/Substance Abuse And Mental Health Services Administration  
Class And Sass Front Line Prevention

LEHMAN COLLEGE  
Catherine Alicia Georges  
Health Resources And Services Administration  
Increasing Diversity Of Family Nurse Practitioners For The Bronx And New York City

Luis Anorchodoqui  
National Aeronautics And Space Administration  
US Participation In The Extreme Universe

Anne Campos  
New York City Department Of Education  
Literacy And Professional Development

Anne Campos  
New York City Department Of Education  
Literacy School Leaders And Teachers

Anne Campos  
New York State Education Department  
Math Related Services And Professional Development  
New York State Adult Literacy Education Department

Anne Campos  
United States Department Of Education  
Student Support Services Program For Careers In Teaching Serving Early Childhood, Elementary, Middle And High School Pre-Service Teachers

Hai-Ping Cheng  
National Institutes Of Health  
A Periplasmic Global Regulator, Exor, For Bacterial Invasion Of Host Cells

Harriet Payne  
United States Department Of Education, Teacher Quality Partnership Evaluation

Sergine Gningue  
National Science Foundation  
Science, Technology, Engineering, And Mathematics For English Language Learners Program At Lehman College

Mira Goral  
National Institutes Of Health  
Facilitation And Competition Across Languages In Multilingual Aphasia

Joy Greenberg  
Health Resources And Services Administration  
Culturally Informed Behavioral Health Services For At-Risk Children, Adolescents And Transitional-Age Youth And Their Families In Bronx, New York And Surrounding Communities

Annette Hernandez  
United States Department Of Education  
Regular Student Support Service Program To Provide Pathways To Success For Low-Income First Generation College Undergraduates

Marzie Jafari  
Bronx Lebanon Hospital  
Master Of Nursing Program

Marzie Jafari  
Bronx Lebanon Hospital  
Master Of Nursing Program

Donna Mcgregor  
National Science Foundation  
Flipping Chemistry And Biology Classes To Increase Student Engagement And Performance Effect

Anne Rothstein  
New York City Department Of Youth And Community Development  
Lehman College 9th Grade Transition Program -- Walton Campus

Anne Rothstein  
New York State Education Department  
Out Of School Time

Anne Rothstein  
United States Department Of Education  
Lehman College Talent Search: Pathways To Success

Anne Rothstein  
New York City Department Of Youth And Community Development  
Bronx Lebanon Hospital  
Master Of Nursing Program

Anne Rothstein  
New York City Department Of Youth And Community Development  
Bronx Opportunity For Out Of School Time (BOOST)

Annette Hernandez  
United States Department Of Education  
Regular Student Support Service Program To Provide Pathways To Success For Low-Income First Generation College Undergraduates

Marzie Jafari  
Bronx Lebanon Hospital  
Master Of Nursing Program

Marzie Jafari  
Bronx Lebanon Hospital  
Master Of Nursing Program

Herminio Martinez  
United States Department Of Education  
Bronx Gear Up Network

Stephen Redenti  
National Institutes Of Health  
Analysis Of Transplantable Photoreceptor Precursor Migration Honing Mechanisms

Stephen Redenti  
National Institutes Of Health  
Modeling Photoreceptor Migration In Biomimetic Microenvironments To Optimize Transplantation

Joy Greenberg  
Health Resources And Services Administration  
Culturally Informed Behavioral Health Services For At-Risk Children, Adolescents And Transitional-Age Youth And Their Families In Bronx, New York And Surrounding Communities

Janet Jones  
New York State Education Department  
Bronx Opportunity For Out Of School Time (BOOST)

Herminio Martinez  
New York State Higher Education Services Corporation  
New York State Gear Up

Herminio Martinez  
New York State Office Of Children And Families  
Student Services Superstorm Sandy

Herminio Martinez  
United States Department Of Education  
Bronx Gear Up Network
Milton Santiago  
Perfect Choice Staffing  
RN Completion/MSN Program

Evan Sennrich  
Substance Abuse And Mental Health Services Administration  
Enhancing SBIRT Utilization Among Underserved Populations In Bronx, NY And Surrounding Urban Areas: A Lehman College Training Initiative For Social Work Students And Medical Residents

Clarence Stanley  
Research Foundation/SUNY  
The New York State Small Business Development Center

Clarence Stanley  
Research Foundation/SUNY  
New York State Small Business Development Center

Moira Sauane  
National Institutes Of Health  
Turning Inhibitions Of Translation Initiation Into Cancer Therapy

Milton Santiago  
Perfect Choice Staffing for RN Completion/MSN Program

NEW YORK CITY COLLEGE OF TECHNOLOGY  
Bonne August  
New York State Department Of Education  
Perkin

Bonne August  
New York State Department Of Education  
Smart Scholars: City Poly Cohort 3

Bonne August  
New York State Department Of Education  
Smart Scholars: City Poly

Bonne August  
New York State Department Of Education  
Smart Scholars: P-Tech

Bonne August  
New York State Department Of Education  
Teacher Leader Quality Partnership Program

QUEENS COLLEGE  
Sherry Baron  
New York University School Of Medicine  
Health Promotion And Disease Prevention Research Center  
Jeff Beeler  
National Institutes Of Health  
Assessing Aberrant Motor Learning In Parkinson’s Patients  
Theodore Brown  
New York City Council  
Queens College Technology Incubator

Vivian Charlop  
New York City Department Of Cultural Affairs  
Cultural After School Adventures (Casea) Program

Vivian Charlop  
New York City Department Of Cultural Affairs  
Cultural After School Adventures

Vivian Charlop  
New York Community Bank  
Kupferberg Presents Series For The 2015-2016 Season

John Dennehy  
National Science Foundation  
Career, Population Dynamics And Evolutionary Ecology Of Viral Emergence

Jin Fan  
National Institutes Of Health  
Uncertainty, Cognitive Control And The Brain  
Eva Fernandez  
New York City Department Of Small Business Services  
Tech Talent Pipeline Residency At Queens College

Robin Hizme  
New York City Department Of Education  
Opening Gateways To Student Success: STEM

Liana Tsenova  
National Institutes Of Health  
Bridges To The Baccalaureate

Seogjoo Jang  
United States Department Of Energy  
Molecular Level Characterization Of Quantum Design Principles For Efficient And Robust Excitons And Charge Migration

Igor Kuskovsky  
National Science Foundation  
UNS: Performance Optimized Intermediate Band Photovoltaic Devices Based On Type-II Quantum Dots

Steven Markowitz  
New York City Department Of Health & Mental Hygiene  
New York Community Air Survey Program

Steven Markowitz  
Steelworkers Charitable & Educational Organization  
Medical Surveillance Of Former Department Of Energy Workers

John D’Antonio  
New York State Education Department  
Advanced Certification, Post-Master’s Clinical-Ly-Rich Intensive Teacher Institute In Bilingual Education And English

Robert Vago  
New York State Education Department  
Advanced Certification, Post-Master’s Clinical-Ly-Rich Intensive Teacher Institute In Bilingual Education And English

Seogjoo Jang  
United States Department Of Energy  
Molecular Level Characterization Of Quantum Design Principles For Efficient And Robust Excitons And Charge Migration

Petrie Foundation  
The Carroll And Milton Petrie Student Emergency Grant Fund

Andrew Rosenberg  
Air Force Office Of Scientific Research  
Sparkler: Scalable Prosodic Anomaly And Relational Knowledge Exploration Of Language With Enhanced Robustness

Andrew Rosenberg  
IBM Babel

Andrew Rosenberg  
National Science Foundation  
Career. More Than Words: Advanced Prosodic Analysis

Andrew Rosenberg  
United States Air Force Office Of Scientific Research  
Sparkler: Scalable Prosodic Anomaly And Relational Knowledge Exploration Of Language With Enhanced Robustness

Eric Urevich  
New York State Office Of Children And Family Services  
Childcare Development Block Grant

Robert Vago  
New York State Education Department  
Advanced Certification, Post-Master’s Clinical-Ly-Rich Intensive Teacher Institute In Bilingual Education And English

Robert Vago  
New York State Education Department  
Development Of Lesson Modules And Online Support For New York State English As A New Language Instruc-

Luat Vuong  
National Science Foundation  
Career. Towards Control Of Photo-Induced Charges In Chiral Nanocomposites Via Optical Spin-Orbit Interactions

Seogjoo Jang  
United States Department Of Energy  
Molecular Level Characterization Of Quantum Design Principles For Efficient And Robust Excitons And Charge Migration

Michael Mirkin  
Air Force Office Of Scientific Research  
Electrochemical Imaging And Mechanism Studies On The Nanometer Scale

Alexey Ovchinnikov  
National Science Foundation  
AF: Medium: Collaborative Research: Numerical Algebraic Differential Equations

Adam Rockman  
The Carroll And Milton

CUNY 2016 AWARD RECIPIENTS 65
Guatemala’s army perpetrated 626 massacres of indigenous Maya people in the 1980s. In the 1990s, Sanford helped exhume mass graves in seven Maya communities. In this 2001 photo by Jonathan Moller, relatives and supporters carry the remains of 121 people through the streets of rural Nebaj after a funeral mass.
In Colombia to Aid the Ending Of a Half-Century of Civil War

“Transitional justice is moving from violation of rights to respect for rights. Justice is like peace: It’s not a thing that happens, but an ongoing process. Citizens and civil society struggle for it during conflict, and struggle even more to achieve it when the fighting ends.”

— Victoria Sanford

AFTER 52 YEARS OF CIVIL WAR that killed at least 220,000 and displaced close to 6 million people, peace is tantalizingly close in Colombia.

On Oct. 2 – and by only four-tenths of one percentage point – voters rejected a proposed peace deal between the government and the largest rebel group, the Revolutionary Armed Forces of Colombia (FARC, for short, in Spanish); many voters believed the pact had treated the rebels too leniently. Five days later, the country’s president, Juan Manuel Santos, was awarded the Nobel Peace Prize for his efforts to end the conflict and move his country toward reconciliation. At press time in October, negotiations were continuing to modify the original agreement while maintaining a truce.

But one way or another Lehman anthropology professor and human rights activist Victoria Sanford will be there to help. This internationally recognized expert on genocide and postwar justice received a 2016 Fulbright grant to train students and develop a curriculum in transitional justice at the Universidad Libre law school in Bogotá. Transitional justice combines judicial and nonjudicial means to redress massive human rights abuses.

She says Colombian law students “want to learn about transitional justice around the world. I’ll talk about the arc in Central America in general and in Guatemala in particular.” She has worked with forensic teams in Guatemala since 1994, uncovering government-perpetrated massacres and genocides of indigenous people, as well as on current high-impact human rights cases. She received two previous Fulbrights, as well as two more prominent awards.

The law school is “interested in how you document human rights violations. Anthropologists offer a vast array of approaches: testimonies to reconstruct what happened, forensic analysis of documents in archives, exhumations and autopsies, and putting the whole picture together. One of the threads of the seminar is in anthropological methods, particularly how to search and read archival documents.”

Uncovering the truth of what happened during the war between Colombia’s rebels, armed forces and paramilitaries is critical to establishing trust and justice, because all parties committed atrocities.

The goal remains having FARC soldiers disarm, demobilize, reintegrate (DDR) and re-enter normal civilian life. “All three parts of DDR have to happen when you have people with guns,” Sanford says. The smaller National Liberation Army still seeks its own peace deal. Virtually all of the Colombian insurgents grew up knowing only war, and there is a gulf between their experiences and those of rural peasants and the educated urban elite in this prosperous country. Sanford says that lasting peace may hinge upon educating the rebels and providing them with meaningful jobs.

DDR and transitional justice will play out against this background. The lawyers whom she will train and the subsequent classes that will follow her curriculum will be in the forefront of healing Colombia.
THE CITY UNIVERSITY OF NEW YORK

SENIOR COLLEGES:
CITY COLLEGE OF NEW YORK-1847
HUNTER COLLEGE-1870
BROOKLYN COLLEGE-1930
QUEENS COLLEGE-1937
NEW YORK CITY COLLEGE OF TECHNOLOGY-1946
COLLEGE OF STATEN ISLAND-1956
JOHN JAY COLLEGE OF CRIMINAL JUSTICE-1964
YORK COLLEGE-1966
BARUCH COLLEGE-1968
LEHMAN COLLEGE-1968
MEDGAR EVERS COLLEGE-1970
MACAULAY HONORS COLLEGE AT CUNY-2001
CUNY SCHOOL OF PROFESSIONAL STUDIES-2003

COMMUNITY COLLEGES:
BRONX COMMUNITY COLLEGE-1957
QUEENSBOROUGH COMMUNITY COLLEGE-1959
BOROUGH OF MANHATTAN COMMUNITY COLLEGE-1963
KINGSBOROUGH COMMUNITY COLLEGE-1963
LAGUARDIA COMMUNITY COLLEGE-1968
HOSTOS COMMUNITY COLLEGE-1970
GUTTMAN COMMUNITY COLLEGE-2011

GRADUATE SCHOOLS:
CUNY GRADUATE CENTER-1961
CUNY SCHOOL OF LAW-1983
CUNY GRADUATE SCHOOL OF JOURNALISM-2006
CUNY GRADUATE SCHOOL OF PUBLIC HEALTH AND HEALTH POLICY-2016
CUNY SCHOOL OF MEDICINE-2016