Letter from the Chairman of the Board and the President

It is easy to be complacent about U.S. competitiveness and preeminence in science and technology. We have led the world for decades, and we continue to do so in many research fields today. But the world is changing rapidly, and our advantages are no longer unique. Without a renewed effort to bolster the foundations of our competitiveness, we might lose our privileged position. For the first time in generations, the nation’s children could face poorer prospects than their parents and grandparents did. We owe our current prosperity, security, and good health to the investments of past generations, and we are obliged to renew those commitments in education, research, and innovation policies to ensure that the American people continue to benefit from the remarkable opportunities provided by the rapid development of the global economy.


As The City University of New York (CUNY) moves forward with its agenda for the “Decade of Science,” the report of the National Academies has particular resonance for both CUNY and the Research Foundation. The Foundation’s support of CUNY is absolutely essential in advancing the initiatives that will, on a local level, address the national challenges that this report identifies. The Committee on Prospering in the Global Economy of the 21st Century, which prepared the report and comprises leaders from academia, industry, and government, was asked by Congress to respond to the following: What are the actions that federal policy makers could take to enhance the science and technology enterprise so the United States can successfully compete, prosper, and be secure in the global community of the 21st century?

The committee issued four basic recommendations that focus on the human, financial, and knowledge capital necessary for U.S. prosperity:

1. Increase America’s talent pool by vastly improving K-12 mathematics and science education.
2. Sustain and strengthen the nation’s traditional commitment to long-term basic research that has the potential to be transformational in order to maintain the flow of new ideas that fuel the economy, provide security, and enhance the quality of life.
3. Make the United States the most attractive setting in which to study, perform research, and commercialize technologic innovation so that we can develop, recruit, and retain the best and brightest students, scientists, and engineers from within the United States and throughout the world.
4. Ensure that the United States is the premier place in the world to innovate, invest in downstream activities, and create high-paying jobs based on innovation by modernizing the patent system, realigning tax policies to encourage innovation, and ensuring affordable broadband access.
From enhanced doctoral student support to the new Advanced Science Research Center, from the groundbreaking Teacher Academy to a reinvigorated technology transfer operation, from innovative programs to recruit and retain minorities and women in science, math, engineering, and technology to the recruitment of research-active faculty, CUNY and the RF are working in tandem to foster success.

Of course, the Research Foundation is about much more than the word “research” might suggest. With broad responsibilities in the area of sponsored programs, the Foundation provides support to CUNY faculty and staff as they carry out projects in realms as diverse as curriculum planning, student support, workforce training, assessment, continuing education, computer software, construction, and economic development. Through its new GrantsPlus division, the Foundation has begun to extend its reach beyond CUNY to the nonprofit community, offering services to organizations that perform vital public services but may lack the experience or infrastructure to maximize program effectiveness. And its acquisition of a new headquarters building, the former home of the venerable New York Herald Tribune, adds stability and value to its work.

We gratefully acknowledge the excellent work of the Foundation, an independent not-for-profit entity, in offering flexible, cost-effective services that could not be matched by any other model. Forty-three years young and going strong, the Foundation looks forward to fashioning solutions to tomorrow’s challenges.

Matthew Goldstein  Richard F. Rothbard
Chairman of the Board  President
Introduction

As we have for 43 years, the Research Foundation continues to provide City University of New York faculty and staff (and now our new non-CUNY clients) with the administrative infrastructure that supports their sponsored program activities. That infrastructure encompasses a copious range of services that extends from employment and benefits administration to purchasing of goods and services to patenting and licensing of intellectual property.

More than $340 million was awarded to CUNY principal investigators in fiscal year 2005, making for another record year. (This success is tempered, however, by constraints, particularly at the federal level, in mission agency funding that may well have a negative impact in the years ahead.)

The FY 2005 financial report at the back of this document reflects actual expenditures during the year. While award activity is a measure of upper limits that sponsors permit under defined circumstances and may include multiple years, expenditures (as reported in the financial tables), represent actual outlays for the period. Expenditures will tend, therefore, to be less than total award figures. For FY 2005, expenditures were roughly $298 million.

There have been many exciting developments at the Research Foundation since our last annual report and we’d like to share some of them with you. In addition, we would like our readers to take special note of a new feature we’ve added to this year’s report that spotlights students engaged in research. Although it is generally the faculty who obtain and oversee grants, CUNY is replete with examples of students participating in research projects. In so doing, they contribute not only to their own academic experiences, but to the advancement of knowledge in a wide range of fields.

“Research is formalized curiosity. It is poking and prying with a purpose. It is a seeking that he who wishes may know the cosmic secrets of the world and that they dwell therein.”

— Zora Neale Hurston, African-American novelist, short story writer, folklorist, playwright and anthropologist, from Dust Tracks on a Road, 1942.
Queens College
OLGA BERWID
Psychology

Under the guidance of Dr. Jeffrey Halperin, Professor of Psychology, Olga Berwid has been collecting data for a research project, which is part of a larger longitudinal study funded by the National Institutes of Health concerning Attention Deficit/Hyperactivity Disorder (ADHD). The project seeks to study specific aspects of reaction time processes in preschool children diagnosed with ADHD using variations on a computerized, child-friendly choice reaction time task. Considering that the study examines “reaction time process,” a choice reaction time task is divided into various simple components in an attempt to isolate the deficient component process in ADHD that leads to longer and more variable reaction times in older individuals with the disorder. Additionally, experimental conditions including (1) reinforcing feedback following responses and (2) a warning cue prior to the appearance of the stimulus are administered to study the impact of such manipulations on task performance in preschoolers with and without ADHD. The intent is to determine whether such tasks can be useful in children this young, and if so, whether preschool children with ADHD show similar patterns of performance deficits as do older individuals.
over employees’ status, EEO reporting, and benefits eligibility including pension vesting and other HR related issues such as tracking and reporting various “other leave” types (e.g. military leave, jury duty, and bereavement).

The move to the “Core,” as the upgrade is known, is followed by e-Cyborg, enabling open enrollment to occur over the web along with employee self services such as name and address changes, tax changes, etc. With e-Cyborg, Client Services teams conducting campus visits will be able to record vital employee data on any computer with Internet access.

From a systems perspective, the implementation of Core Cyborg allows for easier and timelier system upgrades as new versions are released, since customizations are kept to a minimum.

**Document Imaging Project**

The Foundation has taken on an ambitious, multi-year, multi-phase project to provide electronic storage and on-line document retrieval, using state-of-the-art document imaging technology. Users will be able to search, retrieve, view, and print needed documents, with access based on the security level granted to each user. The immediate benefit will be the ability to locate quickly any scanned documents, using a range of criteria. In most cases, it will no longer be necessary to retrieve documents from off-site storage (and then return them), saving both time and money. This project will also substantially improve the RF’s disaster recovery capabilities.

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**Lehman College**

**Lina Bruno**

Biology

After Lina Bruno received an Associate’s degree in Dental Technology, she decided to pursue a Bachelor’s degree in Biology since she enjoyed working in a laboratory environment. She was involved in the Minority Access to Research Careers (MARC) program from November 2003 to November 2005. Lina currently works with her mentor, Dr. Gabriel Aisemberg, Professor of Biological Sciences at Lehman College. Together they are studying neurodevelopment by examining the function of Hox genes and use the leech, Hirudo medicinalis, as a model organism for neuro-biological studies at the cellular level. As a MARC scholar, Lina has presented this work at the 2004 Annual Biomedical Research Conference for Minority Students (ABRCMS) in Dallas, Texas and the 2004 Louis Stokes Alliance for Minority Participation conference at Lehman College. During the 2005 ABRCMS in Atlanta, Georgia, Lina presented work that was conducted at Columbia University’s Center for Excellence in Genome Science. The research project, Genetic Polymorphisms in Intracranial Aneurysms, was carried out during the summer under the auspices of Dr. John R. Edwards. The purpose of the study was to evaluate specific polymorphisms that may increase the possibility of formation of intracranial aneurysms.
Gary Chan, a civil engineering major at City College, spent his senior year at CCNY atop an eight-story campus building studying how a green roof works. Mr. Chan was one of 15 undergraduates nationwide awarded a Greater Research Opportunity grant from the U.S. Environmental Protection Agency (EPA) in 2005. This research involved Mr. Chan and his mentor, Civil Engineering Professor Megan B. Wiley, who together developed plans to study the potential benefits of green roofs in the urban environment as part of an innovative City College program in environmental entrepreneurship. Mr. Chan’s research entails creating a green roof, or vegetated rooftop, on 200 square feet of Steinman Hall and monitoring it for a year before the data is evaluated. The results of his study could yield further proof that green roofs can be one of the most environmentally friendly and economical solutions to CSOs in large cities.

In addition, the project will be able to incorporate both documents scanned at remote sites and, as the Foundation adds them to its system, electronically generated documents. Ultimately, scanned documents will be routed using workflow to the appropriate individual(s) for review, approval, and processing. An audit trail will allow administrators to view a complete path of the document, showing who administered what document, at which computer, what changes, if any, were made and its exact location in the process.

Customer Satisfaction
In keeping with our mission of combining personal customer service with cutting edge technology to deliver high quality services to clients, the Research Foundation conducted an online customer satisfaction survey in April 2005. The survey sought to establish baseline measures of customer service that would allow periodic measurement of service progress, identify areas of potential service concern, and assess key drivers in the overall satisfaction with the services rendered by the Foundation.

Respondents consisted of Principal Investigators and Project Administrators who expressed their overall satisfaction with the Research Foundation. Seventy six percent (76%) of PIs and seventy seven percent (77%) of Project Administrators indicated that the Foundation is meeting or exceeding their expectations.

Among the services most highly rated by respondents were electronic services and the Research Foundation website (with 90% of PIs rating the usefulness of the Web site as Good or Excellent).

“After all, the ultimate goal of all research is not objectivity, but truth.”
— Helene Deutsch, U.S. psychiatrist, from The Psychology of Women, 1944–45.
As additional services are made available and new systems are deployed, the Research Foundation will continue its pursuit of excellence in all areas of service delivery.

**Administrative Fee**

The Foundation is a private, not-for-profit educational corporation and relies almost entirely on a fee for service to support our operations. Unlike CUNY, we receive no direct funding from the City or State of New York, and no tuition income from students. In order to pay our salaries and fringe benefits, to purchase essential goods and services, and to develop and maintain our critical systems, the Foundation charges a modest fee tied to the level and type of sponsored program activity we manage.

Thanks to a combination of steady program volume, rigorous cost controls, and technological innovations, we have been able to implement a new fee structure that reduces costs to our customers, yet provides the resources we need to continue to offer high quality, client-oriented services.

Now that we have experienced our first complete calendar year under the new fee structure (the change was made January 1, 2005) we can report that colleges collectively saved over $1.4 million. These funds were available to support research or other academic activities on the campuses.

**Supporting Foundation Staff**

While it is true that the Foundation has relied increasingly on technology to carry out mundane and repetitive tasks, the caring, insight, and creativity essential for success and growth can only come from our staff. Whether it’s a post-doc peering into a microscope or a clerk explaining the nuances of medical coverage, our 12,000

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“Take young researchers, put them together in virtual seclusion, give them an unprecedented degree of freedom and turn up the pressure by fostering competitiveness.”

— James D. Watson, 1962 Nobel laureate and Director of Research, Cold Spring Harbor Laboratory, NY, on his formula for breakthroughs in research.
employees each year collectively make the enterprise function and we feel an
obligation to better their lives in ways large and small to the extent that resources
permit. Over the past year we have achieved some impressive results.

REAP
Beginning with the fall 2005 semester, the Foundation offered a new program to its
employees, on a pilot basis, to encourage college attendance. Called the Research
Foundation Education Assistance Program – or REAP – this initiative offers full-time
staff up to $1,000 in tuition reimbursement annually for study at the undergraduate
or graduate level within CUNY.

The Foundation is providing this benefit in recognition that lifelong higher
education opportunities for staff is in the best interest of both the organization and
its employees. At the conclusion of the first year of the program, over 100 staff
members are expected to qualify for REAP. Preliminary figures indicate that
enrollees are predominantly female and are enrolling overwhelmingly in graduate
programs.

Employee Assistance Program
The Research Foundation is committed to helping its employees maintain an
optimum quality of life. For this reason, in July 2005 we began to offer a new
benefit, the Employee Assistance Program (EAP). EAP is available to all benefits-
eligible employees of the Research Foundation and their household members.

EAP is a confidential resource that assists employees in addressing concerns of a
personal nature through consultation, support, information and planning, as well as

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**Kingsborough Community College**

**Danielle Jones**

**The Brooklyn Bridge Program**

Danielle Jones, a spring 2005 participant of The Brooklyn Bridge Program, a project
funded by the National Institutes of Health, was placed in the Brooklyn College research
laboratory of Dr. Kathlene Axen under the mentorship of Dr. Carla Beeber, Kingsborough
Community College. The project consisted of testing different assays to detect the level of
sugar and insulin in rats fed a high carbohydrate diet and determine whether a high
carbohydrate diet leads to Type II diabetes. Ms. Jones identified the best assay
to use in the planned research project. Ms. Jones presented a poster depicting
the results of her work at both the annual Metropolitan Association
of College and University Biologists (MACUB) conference at Monmouth University and
the Annual Biomedical Research Conference for Minority Students (ABRCMS).
On both occasions, her poster was very well received by the judges. Ms. Jones is currently
working with Dr. Axen and plans to publish the data collected at the end of the
spring 2006 semester.

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**TOTAL AWARDS BY PURPOSE***

*Excludes PSC-CUNY Awards
referrals to professional resources in the community. In addition to the usual range of medical, psychological, and financial matters that such programs assist with, EAP can also help with legal concerns, child care, senior care, and even pet care. These services are completely confidential, free of charge, and available 24 hours a day, 7 days a week. Employees and their household members can receive EAP assistance and obtain information by telephone or online using our convenient Web site.

**e-W2’s**

Having successfully transitioned from paper paychecks to direct deposit and electronic pay stubs, the Foundation is undertaking a project that will lead us to the next logical level – issuing W-2 forms electronically. With 12,000 employees a year, the savings on postage and paper alone would be substantial, not to mention the greater speed and convenience that staff would enjoy from such a service.

There are very specific Internal Revenue Service rules and regulations that must be followed, as well as significant security issues that must be resolved, before implementation can take place. These are under review and we are targeting calendar year 2006 for W-2’s to be available electronically to all staff who would prefer that method.

“The acquisition of knowledge is the mission of research, the transmission of knowledge is the mission of teaching and the application of knowledge is the mission of public service.”

— James A. Perkins, President of Cornell University, 1966.

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**Queensborough Community College**

**SHAZIM MOBIN**

**Chemistry**

Since 2004, Shazim Mobin has been working with Dr. Sasan Karimi, who received a grant from the Eppley Foundation for Research for his groundbreaking work in chiral chemistry. Together, they have been researching the preparation and reactions of chiral oxy-carbanions. Their research has implications for both science and industry, as they seek more efficient ways to produce optically pure compounds. Queensborough’s chemistry students routinely present their research results at the Annual Undergraduate Research Symposium as well as at the American Chemical Society meetings. Mr. Mobin’s work in the laboratory taught him the importance of organizing his research projects. Most importantly, Mr. Mobin learned to apply that which he learned in his textbooks and is interested in applying his skills and knowledge in the medical or pharmaceutical fields.
On June 6, 2005, the Research Foundation moved its headquarters into newly renovated offices at 230 West 41st Street, which is located just off Times Square on the dividing line between Manhattan’s theater and garment districts. The building was purchased the year before in order to provide improved facilities for central operations, easier access for field and university staff, revenue from commercial tenants, and a steadily appreciating asset for the Foundation.

Prior to the move, the Foundation operated from leased space that it acquired in an emergency relocation precipitated by the September 11, 2001 attack on the World Trade Center. That event resulted in considerable damage to our offices then situated at 30 West Broadway (Borough of Manhattan Community College’s Fiterman Hall). While the move to leased space helped operations to return to normal quickly, the facilities were lacking in many respects and incapable of serving the long-term needs of the Foundation.

By all accounts, our experience in our new home has, to date, been everything we had hoped for. Operations have been enhanced, staff morale has improved, service to the field has reached new levels, and our financial underpinnings have been strengthened.

Looking out the window to the west, one sees immediately adjacent to our building the 52-story steel, concrete, and glass skeleton of what will become the new home of The New York Times. Not coincidentally, the university chose to open its new Graduate School of Journalism in our building, with the first class scheduled for the fall of 2006. How fitting, given our building’s pedigree — it was built originally to serve as the headquarters of the New York Herald Tribune.

230 West 41st Street

Dear Friends:

It is a great pleasure to welcome you all to the dedication of the Research Foundation of the City University of New York’s new headquarters.

For over four decades, the Research Foundation has been a tremendous source of support for CUNY assisting the colleges to reach their full potential in the area of research. On behalf of the City of New York, I thank the staff at the Research Foundation for the invaluable services and programs you provide to the 19 colleges of the City University of New York. This new office provides an important addition to your organization, and I wish you all the very best for success at West 41st Street.

It is always gratifying to recognize those who are working to strengthen our City’s educational system. Please accept my best wishes for an enjoyable event.

Sincerely,

Michael R. Bloomberg
Mayor

THE CITY OF NEW YORK
OFFICE OF THE MAYOR
NEW YORK, N.Y. 10007

September 22, 2005
In addition, CUNY consolidated its previously dispersed finance operations (budget, accounting, and internal audit) at 230 in the spring of 2006.

**GrantsPlus**

GrantsPlus, a separate corporate entity, was created to extend the Research Foundation’s considerable expertise to the broader non-profit community. Over the past year, significant effort was expended on developing a workable business model, identifying appropriate target organizations, and publicizing its offerings.

By providing services to non-profit organizations that need assistance in administering grants, or that merely seek support for basic administrative functions, GrantsPlus aids in the delivery of critical services that would otherwise become the responsibility of government.

The more successful GrantsPlus becomes, the more diversified and stable the Foundation’s finances will become. This will assure that the Foundation can continue to provide high quality/low cost services to CUNY.

As of this writing, GrantsPlus is providing services to several non-profit entities with total annual volume in excess of $3 million and is in various stages of negotiations with many more. Clients to date include a hospital association, a community-based educational organization, a cultural heritage center, and a high school support group.

**The Decade of Science at CUNY**

Responding to the challenges that the university sees in a technology-driven future, the Chancellor has designated 2005 to 2015 the Decade of Science. One of the major initiatives in CUNY’s Master Plan is the continued enhancement of the university’s

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*Artist rendering of the new CUNY Advanced Science Research Center at City College*

**TOTAL AWARDS BY DOLLAR VALUE**

*Excludes PSC-CUNY Awards*
research character, which is heavily dependent on excellent facilities, faculty, and students in the sciences. CUNY plans a dramatic increase in the construction and modernization of science facilities around the university, including a new CUNY-wide Advanced Science Research Center concentrating on emerging disciplines, such as photonics, nanotechnology, biosensing and remote sensing, structural biology and macromolecular assemblies, and neuroscience. Over the next decade, CUNY will be expending about $1 billion on science projects alone.

In addition, CUNY, working in collaboration with NYU, Columbia, Polytechnic University and the New York City Department of Education, has proposed the creation of an advanced center of simulation modeling on Governors Island. Computer simulation is a powerful method for analysis and experimentation on virtual systems that mimic some aspect of reality, allowing for a more thorough consideration of complex problems, from traffic patterns to the spread of disease to global climate forecasting. CUNY has taken the lead in developing this high-end scientific center, which would serve business and industry by advancing the ability to process the most sophisticated forms of information.

The Research Foundation supports these initiatives, not only through the administration of grants, but by making direct allocations to CUNY. These allocations augment CUNY’s own commitment by funding doctoral student fellowships, faculty development, research compliance, technology transfer, equipment purchases, and intercampus collaboration. The Research Foundation will continue to provide administrative and financial support in these areas.

New York City College of Technology

Jude Poku was asked by his mentor, Chemistry Professor Pamela Brown, to simulate a breathalyzer using materials on hand in the lab and then develop a lab exercise for fellow students to duplicate the chemical reactions involved. With the assistance of a stipend from the Louis Stokes New York City Alliance for Minority Participation of the National Science Foundation, Mr. Poku was able to simulate the action of a breathalyzer by taking a syringe and withdrawing the vapor above five different concentrations of ethanol (alcohol) solution. Mr. Poku also developed another aspect of the lab consisting of students individually calculating how many drinks it would take to become legally intoxicated based on their weight and sex, and the amount of time they would remain intoxicated. The lab is now part of City Tech’s General Chemistry II curriculum. Mr. Poku’s work was presented to the American Chemical Society’s national meeting in San Diego and at the New York Chemistry Students Association’s 52nd Annual Undergraduate Research Symposium at Queensborough Community College. Shortly thereafter, Mr. Poku was called to serve in the infantry, MOS 11-Bravo, in Iraq. He is now a part-time student at City Tech with renewed focus as he continues to serve in the Army reserves until he is discharged.

“The problem when solved will be simple.”
—Anonymous, sign on the wall of General Motors research laboratory, Dayton
Responsible Corporate Citizenship
The Foundation and its staff are committed not only to serving our CUNY and GrantsPlus clients, but the broader community as well.

Katrina Relief
In the wake of the devastation wrought on the Gulf Coast by Hurricane Katrina, the Research Foundation encouraged and facilitated donations. First, we immediately established a link on our home page through which staff could make direct contributions to the American Red Cross, which was active in providing disaster relief. Second, we established a program that enabled staff to contribute a portion of or all of their annual leave accumulations, which were turned into cash contributions that the Foundation paid to ARC. Those contributions had a cash value in excess of $15,000.

United Way Campaign
As we have for several years, the Foundation partnered with the United Way to raise funds in support of their activities here in New York. The United Way creates and supports strategic initiatives that address the root causes of critical human care problems in order to achieve measurable improvement in the lives of New Yorkers. The United Way partners with grassroots nonprofits, government and business to lead lasting, systemic change.

Staff can select to contribute by making a one-time donation or through bi-weekly payroll deductions. This year’s contributions have exceeded the $10,000 mark for the first time ever and are still climbing.

“Research is four things: brains with which to think, eyes with which to see, machines with which to measure, and, fourth, money.”

Brooklyn College
EUGENE SHENEROV
Chemistry

Eugene Shenerov, class of 2005, was selected as a Rhodes Scholar in fall 2004 and, in spring 2005, a National Institutes of Health fellow. When the Chernobyl nuclear reactor experienced a meltdown in 1986, Mr. Shenerov was diagnosed with leukemia at the age of six. For medical reasons, his father, a physicist, and his mother, a chemist, immigrated to the United States. Mr. Shenerov entered the Edward R. Murrow High School Academy for Special Training in Experimental Research (M.A.S.T.E.R.) in tenth grade, a program that prepared him for the national Intel competition. His project—seeking to characterize a gene produced by melanoma cells that might have therapeutic benefits—reached the finals of the competition. Mr. Shenerov was awarded a presidential scholarship and in 2003 received one of Brooklyn College’s coveted Furman travel stipends, enabling him to study at the Weatherall Institute of Molecular Medicine in Oxford University with Dr. Enzo Cerundole, a world-renowned cancer researcher.
Green Cleaning

On January 5, 2006, Governor George Pataki issued Executive Order 134. It calls upon all state agencies to “procure and use cleaning products having properties that minimize potential impacts to human health and the environment consistent with maintenance of the effectiveness of these products for the protection of public health and safety.”

Although the Foundation is not a state agency, even before the Governor called for “Green Cleaning,” the Foundation had committed itself to such a program at 230 West 41st Street.

Times Square

As an owner of a building within the boundaries of Times Square, the Foundation is a member of the Times Square Alliance, the local business improvement district. The Alliance works to improve public safety, sanitation, and the economic health and image of Times Square. It derives its funding from a special assessment paid by property owners within the district.

Recent projects of the Alliance include renovation of the Theatre Development Fund’s tkts booth, creation of more pedestrian space on Broadway and Seventh Avenue, and improving the appearance of Eighth Avenue.

The Foundation is an active participant in, and supporter of, Alliance efforts.
### A Word About Award Activity

The annual report reflects “award activity” or gross sponsor commitments recorded in the fiscal year. On the other hand, the Grants and Contracts sections of the audited financial statements reflect fiscal year “expenses” on sponsored awards. In many cases, expenses are actually lower than the award activity. The main reason for this would be multi-year awards, which are recorded in their entirety when received but expended over multiple years. The reader will therefore note that the figures in the audited financial statements differ from those in the report narrative and charts because they refer to different measures.

### AWARDS BY SOURCE AND PURPOSE | 2005

<table>
<thead>
<tr>
<th>Source:</th>
<th># Research</th>
<th># Training</th>
<th># Program Development</th>
<th># Institutional Improvement</th>
<th># Equipment</th>
<th># Student Support Services*</th>
<th># Total</th>
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<td>11,745,014</td>
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<td>3,308,990</td>
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| Total     | 527        | 90,900,868 | 303                   | 125,524,938                | 203         | 41,660,998                  | 1,391   |

* Non-Pedagogical
## AWARDS BY SOURCE AND COLLEGE | 2005

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<th>Senior Colleges</th>
<th>#</th>
<th>Federal</th>
<th>#</th>
<th>State</th>
<th>#</th>
<th>City</th>
<th>#</th>
<th>Private</th>
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<td>170,961,683</td>
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| Community Colleges              |         |         |         |       |         |       |         |         |         |         |
| Bronx                            | 7       | 2,723,947| 15     | 2,632,085| 5       | 886,635| 8       | 332,427   | 35       | 6,575,094|
| Hostos                           | 2       | 648,529 | 5       | 846,441 | 4       | 920,453| 11      | 2,415,423 |         |         |
| Kingsborough                     | 5       | 590,056 | 6       | 1,313,204| 2       | 338,662| 5       | 765,022   | 18       | 3,006,944|
| LaGuardia                        | 11      | 4,076,916| 14     | 3,290,461| 9       | 3,592,713| 8       | 3,093,521| 42       | 14,053,611|
| Manhattan                        | 9       | 2,376,205| 9       | 2,841,240| 1       | 287,380| 5       | 553,357   | 24       | 6,058,182|
| Queensborough                    | 3       | 616,343 | 5       | 1,555,297| 8       | 538,707| 16      | 2,711,347 |         |         |
| **Community Subtotal**           | 37      | 11,031,996| 54     | 12,479,728| 17      | 5,105,390| 38      | 6,203,487| 146      | 34,820,601|

| PSC-CUNY Awards*                 |         |         |         |       |         |       |         |         |         | 3,308,990|
| CUNY Central**                   | 12      | 22,668,992| 21     | 12,231,982| 46      | 73,549,713| 61      | 22,528,692| 140      | 130,979,379|
| **Total**                        | 375     | 122,981,789| 185    | 44,119,211| 154     | 92,376,870| 677     | 77,283,793| 1,391    | 340,070,653|

* Support provided by the Professional Staff Congress–City University of New York (PSC-CUNY) for faculty research supplementing funds available from external sources.
** Included in the awards of CUNY Central are approximately $16 million of student financial assistance awards which are administered by the central University Accounting Office.
### AWARDS BY FEDERAL SOURCE AND COLLEGE | 2005

<table>
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<tr>
<th>Senior Colleges</th>
<th># Education</th>
<th># DHHS</th>
<th># NSF</th>
<th># DOE</th>
<th># DOD</th>
<th># NASA</th>
<th># NEA/NEH</th>
<th>Other Federal</th>
<th># Total</th>
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* Included in the awards of CUNY Central are approximately $6 million of student financial assistance awards which are administered by the central University Accounting Office
## AWARDS BY PURPOSE AND COLLEGE | 2005

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</tr>
</tbody>
</table>

* Support provided by the Professional Staff Congress–City University of New York (PSC-CUNY) for faculty research supplementing funds available from external sources.

** Non-Pedagogical

*** Included in the awards of CUNY Central are approximately $16 million of student financial assistance awards which are administered by the central University Accounting Office.
HIGHLIGHTS
Professor Sean Ahearn studies phenomena that can be modeled using technologies developed in the field of Geographic Information Science (GIS). While a map constitutes a static model of an aspect of the world, GIS models the world as a dynamic, spatially correlated phenomenon that is influenced by processes across space and time. "The Dead Crows" is a project in which Professor Ahearn studies the relationship between the death of crows and the spread and infection of West Nile Virus in human populations. The spatial-temporal algorithm describing this relationship was developed by Professor Ahearn, Dr. Constandinos Theophilides, and Professor Ed Binkowski of the Department of Math and Statistics at Hunter College and has been used in remediation efforts of West Nile Virus in New York, Chicago, and California. The "Bengal Tiger" is another of Professor Ahearn's projects in collaboration with Professor James David Smith, a tiger biologist, at the University of Minnesota. Professors Ahearn and Smith developed the first individual-based object model involving tigers in the wild. The model allows the determination of long-term viability of tiger populations in various environments. The "Big Apple" is a third project that Professor Ahearn has been involved with for over ten years. Also called NYCMap, the project aims to build a digital-based map of the entire infrastructure of New York City. In 2004 the Department of Information Technology and Telecommunications and the Department of Environmental Protection awarded Professor Ahearn grants totaling $4.4 million to fund NYCMap over a three year period through 2007. NYCMap contains over twenty layers including building outlines, curb lines, roads, parks, subway structures, and more. The project played a critical role in the response to the attacks of September 11th, providing New York City with a geographic framework for integrating new remote sensing images as well as providing infrastructures status and managing building inspections. Professor Ahearn and his team at the Center for Advanced Research of Spatial Information (CARSi) are currently in the process of developing a digital reproduction of the New York City sewer system. Over the last four and a half years, Professor Ahearn's CARSi lab has generated over $10 million in research grants.

Professor Aizin's research addresses the problem of developing reliable miniature detectors of terahertz electromagnetic radiation based on semiconductor nanostructures. In the last decade the characterization of materials using terahertz electromagnetic radiation became a rapidly developing field. The investigations have shown that many substances (including several illicit drugs and explosives) give off unique "fingerprint" when irradiated by electromagnetic waves at terahertz frequencies. The same technique is used to monitor proteins and their binding with other biomolecules, suggesting a rapid assessment tool of biomolecular-drug interaction. Terahertz spectroscopy has long been used for atmospheric monitoring to determine the minute amounts of various chemical agents in the air. Many metals show high reflectivity at terahertz frequencies, where common packaging materials, such as paper and cloth, are transparent. This contrast in behavior has been used to demonstrate the possibility of terahertz imaging for industrial and security uses. While it is evident that a broad variety of issues can be addressed using terahertz techniques, their applications nonetheless remain limited, primarily due to difficult-to-use instrumentation. Currently, detectors of terahertz radiation either have insufficient sensitivity or require cooling with liquid helium. They also use moving parts that are subject to mechanical failure and space restrictions. The most recent developments in the terahertz detection are connected with the progress in semiconductor nanotechnology. Research groups at Sandia National Laboratories and the University of California at Santa Barbara have demonstrated that semiconductor nanostructures can be used as extremely sensitive and frequency tunable terahertz detectors operating at elevated temperatures. Professor Aizin works with these experimental groups providing theoretical support to their experimental efforts. The goal is to develop a comprehensive theory of terahertz detection in semiconductor nanostructures in order to optimize the detector performance. This work is funded by a three-year $250,000 grant from the US Army Research Office.
Professor Timothy Alborn, who received a $60,000 award from the National Endowment for the Humanities and the American Council of Learned Societies, is completing a lengthy study exploring the transformation of different conceptions of human life in the British life insurance industry between 1820 and 1920. This history reveals how ideas of personal identity, as they passed into an era of statistical thinking and capitalist bureaucracy, necessarily altered to accommodate modernity, but also showed many signs of resisting its totalizing promise. As British life insurance companies expanded their market during the nineteenth century, they came to recognize their customers’ lives as both consuming subjects and objectified abstractions. As consumers, policyholders were sympathetic lives, whose hopes and fears for the future, and responsibilities to family and society, were anticipated, dramatized, and manipulated by the companies. As “risks,” bearing calculable economic values, policyholders were also commodified lives, simultaneously acting as inalienable subjects and being acted upon as financial instruments. Finally, their lives were more purely conceived in abstract, objectified terms when they were analyzed numerically (to determine their place in the office’s law-like mortality curves) and medically (to identify any special risks they might pose). This project examines these different meanings of life by tracking their formulation according to three different categories of people (salesmen, actuaries, and doctors) who worked for life offices and who represented distinct but overlapping schools of thought within the industry.

The New York State Center for Advanced Technology in Photonics Applications at The City University of New York (CUNY-CAT) was established in 1993 and has begun its second decade of bolstering New York’s economy through the development and dissemination of photonics knowledge. CUNY-CAT is based at The City College of New York (CCNY) and was re-designated in 2005 by the New York State Office of Science, Technology and Academic Research (NYSTAR). CUNY-CAT is one of 15 Centers for Advanced Technology located on university and college campuses around the state. The re-designation, which will continue for 10 years, carries with it potential annual funding of $1 million. Since its establishment, CUNY-CAT has made significant contributions to economic development, technological advancement, education, and training in photonics. CUNY-CAT has generated $44 million in economic growth since 2000 through new revenues and cost savings for businesses operating in New York State and has been instrumental in creating and retaining more than 100 technological and engineering employment opportunities. Additionally, CUNY-CAT has prompted a $34 million economic increase through the leveraging of over $20 million in federal grants. Examples of the technological advancements CUNY-CAT has achieved include: minimally or non-invasive optical techniques for cancer detection, optical detection of cracks and corrosion of paint on aircraft wings, bacteria and virus detection for homeland defense, and the Compact Photonic Explorer, a sophisticated “photonics pill” in development that performs remote diagnostics from inside the body.
The GEAR UP Partnership services students from 8th through 12th grades in two middle schools and six high schools in Brooklyn. The highs schools are located in low socio-economic neighborhoods with high percentages of immigrants and notable numbers of homeless families. GEAR UP offers a variety of services and opportunities through strong and viable partnerships and provides information regarding higher education options, required academic courses for students, and staff development for teachers, guidance counselors and other school staff. Business partners which include the Brooklyn Center for the Urban Environment, The New York Times, Princeton Review, Junior Achievement, YMCA, and Anderson Biz Kids collectively provide workshops in classroom instruction, career awareness, and other activities for major stakeholders: students, parents, and teachers. Moreover, GEAR UP has participatory relationships with NYC Department of Education Regions 5 and 6 and other cultural and business organizations that enhance the program. GEAR UP has been successful in preparing young people to enroll in college by offering tutoring in core academic courses. The program has experienced an increase in the number of accelerated courses offered to students, enrollment in those courses, and course completion. Carolyn Beck, project director of GEAR UP, works in collaboration with the U.S. Department of Education which provided funding in the amount of $459,000 for this project in 2005-2006.

Professors Baron and Bozorgmehr seek to expand, strengthen, and institutionalize CUNY programs regarding the Middle East and its Diaspora with funding from the U.S. Department of Education, Title VI Undergraduate International Studies and Foreign Language. The grant for $92,000 through 2006 will allow the Middle East and Middle Eastern American Center (MEMEAC) to establish a concentration in Middle East studies within the CUNY Baccalaureate degree program. MEMEAC plans to develop a major in Middle East studies at Queens College and minors/concentrations in Middle East studies at Hunter, City, and Lehman Colleges. Through MEMEAC, Professors Baron and Bozorgmehr plan to integrate instruction in New York-based Middle East resources and the diaspora experience across the curriculum. The need for the instruction of the Arabic language has emerged as a national priority and MEMEAC seeks to strengthen the instruction of Arabic at CUNY by instituting an intensive Summer Arabic Institute for students in 2006. Additionally, MEMEAC will establish partnerships with study abroad programs featuring Arabic language at intermediate and advanced levels. In support of faculty development, MEMEAC has organized a seminar series on the Middle East Diaspora and will convene workshops surrounding themes such as Children and Social Welfare in the Middle East, Family Law, and Reform in the Middle East.
Flaviviruses constitute a group of viruses of considerable medical importance and include the dengue virus, the yellow fever virus, and the West Nile virus. Resistance to flavivirus infection has been reported in a few laboratory strains of mice and the genetic basis of the resistance has been recently determined. Funded by a $231,000 grant from the National Science Foundation through 2008, the primary goal of Professor Boissinot’s research is to investigate the evolution of flavivirus resistance in mice by determining the nature and the strength of the evolutionary forces influencing the resistance gene called Oas1b. Through his research, Professor Boissinot seeks to increase the understanding of the host-species response to flavivirus infection as well as the molecular and cellular mechanisms responsible for flavivirus pathogenicity. In his study, Professor Boissinot first aims to assess the variation of the resistance gene (Oas1b) in wild house mice in their natural populations. Considering that traditionally used laboratory strains represent a poor sample of the flavivirus-resistance alleles that occur in nature, Professor Boissinot searches for additional alleles in wild house mice and then characterizes functional differences between the Oas1b alleles by challenging mice with a rodent flavivirus, the Modoc virus. Using the Modoc virus induces encephalitis in rodents with symptoms and long-term effects similar to those observed in humans infected by the West Nile virus and Japanese encephalitis virus. Finally, Professor Boissinot analyzes the molecular evolution of flavivirus-resistance to determine the origin of flavivirus resistance and the origin of the variation at the Oas1b locus.

The electromechanical engineering program at City Tech is the only program of its kind within The City University of New York. Fifty percent of the curriculum is devoted to individualized laboratory instruction using state-of-the-art equipment. Students build their own devices for take-home experimentation and assemble, program, and test their own IBM-compatible computer system. As one of the most demanding of City Tech’s curricula, the electromechanical engineering technology program has historically experienced high attrition rates; almost half of the students withdraw from the program within the first year. Professor Blank and his CUNY colleagues have developed an intervention designed to reverse this trend. In September 2005, Professor Blank received a one-year $150,000 grant from the National Science Foundation towards an assessment of student achievement project entitled “An SRL-Performance Based Assessment System for Associate Degree Electromechanical Engineering Technology Students.” The project implements a social cognitive self-regulated learning (SRL) model that assists students in more effectively monitoring and managing their learning processes by focusing on those meta-cognitive skills that enable students to become motivated, goal-oriented, successful learners. The outcomes anticipated from this project include improved academic performance, improved selection and articulation of appropriate academic strategies, and greater self-satisfaction with academic performance. A rigorous evaluation process is expected to verify the efficacy of the SRL approach in a new subject domain, electromechanical engineering technology.
The ability of mammalian cells to sense the density of cells around them plays an important role in cellular growth control and differentiation. Without such ability, a developing embryo would be unable to proportion properly its cells into different tissue types. This type of research may impact processes involving cell density sensing including the fields of wound healing, organ regeneration, and cancer progression. Unfortunately, studying this phenomenon in mammals is difficult due to their complexity. Professor Brazill’s lab studies the regulation of cell density sensing by using the simple social amoeba, Dictyostelium discoideum. Dictyostelium cells display many of the characteristics of mammalian cells, including mobility, differentiation, development, and cellular communication. They are excellent models for mammalian cell behavior, especially cell density sensing. When starved, Dictyostelium cells will undergo a period of differentiation and development leading to the formation of a multicellular organism. However, this process will not begin unless there are sufficient numbers of starving cells to form a full sized organism. These cells are able to sense the density of cells around them and respond appropriately. This sensing is accomplished by secreting and responding to a protein called Conditioned Medium Factor (CMF). As more cells starve, the levels of CMF rise until they reach a threshold level, at which the cells are able to initiate development. Professor Brazill’s lab is working to understand how CMF is sensed by cells and controls development. Uncovering the function of CMF in Dictyostelium will lend a better understanding of cell density sensing in mammals. This project received a $1.3 million grant through 2008 from the National Science Foundation and the National Institutes of Health. In addition, Professor Brazill was awarded the Presidential Early Career Award for Scientists and Engineers (PECASE), considered the highest national honor for young investigators with promising research careers.

The combination at the nano size level of inorganic and organic or even bioactive components in a single material has extraordinary implications in the development of multifunctional materials. New materials have already been prepared with mechanical properties that can be tuned between those of glasses and those of polymers to achieve improved optical, catalytic or membrane-based properties. A growing interest in the surface chemistry of silicon as microelectronic devices are reduced to sizes below the 100 nm range as well as the rapid development of demanding device setups based on silicon chips have further intensified investigations for possible future applications. With the assistance of a two-year (2004–2006) $60,000 grant from the CUNY Collaborative Incentive Grant Program, Professor Moni Chauhan and Professor Ralf M. Peetz of the College of Staten Island intend to broaden research opportunities for under prepared and under represented students through their own research. This includes functional materials synthesis and characterization as well as the modification of inorganic/organic composites and interfaces to create new opportunities for the design of advanced devices. The hybrid inorganic/organic constructs formed can serve as a platform technology for various chemical, electronic, and optical applications. The project seeks to yield significant progress toward materials for various future applications such as “plastic” optoelectronic devices including lasers, high sensitivity plastic photodiodes and photovoltaic cells, chemical sensors, ultra-fast image processors (optical computers), thin film transistors, and all-polymer integrated circuits.
The Année Philologique (APh) is the international bibliography of record for the field of classical studies. A bibliography without peer, APh contains citations of all known scholarly work on classical antiquity published in any language, anywhere in the world. Its coverage begins in the second millennium B.C. with pre-classical archaeology, and ends with the period of transition from late antiquity to the Middle Ages (ca. 500–800 C.E.). APh covers the physical centers of ancient Greece and Rome to Northern and Eastern Europe, Asia Minor, the Middle East, and North Africa. Its broad view of what constitutes the universe of classical studies single-handedly transformed 19th Century classical philology into the modern multidisciplinary, multilingual area of study that it is today. Because of its size, mix of modern languages, and lack of cumulative and subject indices, conducting research in the printed form of the APh is time consuming. Such is the rationale for creating the Database of Classical Bibliography (DCB), a computerized version of APh. Launched by Professor Clayman in 1989, the project involves computerizing the retrospective volumes of APh and Professor Clayman’s team of graduate students has digitized and edited volumes 18–63. Researchers accessing the comprehensive computer database via a simple users interface available in English, French, and Italian may now easily obtain information on the ancient world. The accessibility of previously printed materials benefits scholarship in classics and in all humanistic disciplines that trace their origins to ancient Greece and Rome including literature, language, history, philosophy, religion, mythology and folklore, archaeology, music, and the history of science and technology. A three-year grant from the National Endowment of the Humanities (2005–2008) in the amount of $200,000 with a $100,000 matching offer is the ninth NEH grant to be awarded for this project.

CUNY Catch is a transitional program, initiated by LaGuardia Community College to serve adolescents attending high school on Rikers Island and prepare them for release to their communities. This alliance of LaGuardia, Bronx Community College, and Medgar Evers College has developed a model for transitional services that is recognized nationally for its strong case management approach and has been emulated by both the New York City Department of Correction and the New York State Education Department. From its inception in 1991, CUNY Catch has operated in detention and sentencing facilities within New York City. The program combines the collaborative efforts and resources of The City University of New York and the Department of Education, and has the assured cooperation of the Department of Correction. In addition, it has garnered additional support from the NYC Office of Criminal Justice. The target population is the adolescent inmate, as well as the youngster on probation or simply at risk. The program, funded by a $498,000 grant from the NYS Department of Education for 2005–2006, provides outreach and career counseling on Rikers Island (at eleven facilities) and post-release aftercare at three CUNY campuses. Along with the integration of learning and work, family participation, and general health issues and referrals, the program emphasizes academic and vocational training, career development, and preparation for entry into the labor market. During the 2004–2005 academic year, 162 CUNY Catch adolescents earned General Education Diplomas (GEDs) and a total of 226 enrolled in credit programs at CUNY. CUNY Catch has recently been acknowledged in a nation-wide study by the National Youth Employment Coalition and the Youth Development and Research Fund as one of the top twelve youth employment and development programs serving juvenile offenders nationally.
The CUNY Mass Spectrometry Facility located at Hunter College provides mass spectral services to approximately 25 research labs at CUNY and 10 labs from other institutions and companies (Cornell Medical, Mt. Sinai, Seton Hall University, Fordham University, North Shore Research Institute, New York State Institute for Basic Research, and Sandoz Pharmaceutical).

In 2003, the facility compiled the results of a questionnaire directed to over 100 CUNY faculty members requesting their opinion on the type of mass spectral services needed on their campuses. Researchers requested access to advanced protein digest analysis and high-resolution mass spectral capabilities. Funding was made available for this portion of the project in 2005 with the assistance of a $417,000 National Science Foundation (NSF) Major Research Instrumentation (MRI) grant for an ion trap mass spectrometer system. Presently, Dr. Charles Michael Drain of Hunter College is the Principal Investigator of the project. The NSF MRI Grant will provide funding for a state-of-the-art ion trap mass spectrometry system with a variety of ionization sources and a capillary high performance liquid chromatography (HPLC) system.

The Integrative Graduate Education and Research Traineeship Program (IGERT) in Evolutionary Primatology is an expansion of a world-class program in evolutionary primatology made possible through the New York Consortium in Evolutionary Primatology (NYCEP), a unique collaboration of three universities and two institutions dedicated to bringing science to the public. The CUNY Graduate Center is the lead institution in NYCEP; other members include New York University, Mount Sinai School of Medicine, Columbia University, the Wildlife Conservation Society, and the American Museum of Natural History. The consortium links over 45 faculty whose research perspectives on human and nonhuman primates include comparative morphology, paleontology, systematics, molecular and population genetics, behavior, ecology, and conservation biology. Graduate students participate in courses in these areas, attend seminars, and are offered multiple opportunities to conduct original research at field sites, laboratories, and museums. IGERT funds are used to enhance and refocus the training program by implementing a series of innovative educational, curricular, and research initiatives in the training of talented graduate students. Increased emphasis has been placed on the following areas: 1) professional development through a new, team-taught course on the ethical conduct of science, verbal and written communication skills, completing grant applications, and job search; 2) graduate student participation in international field-based research on behavioral ecology, conservation, and paleontology (NYCEP is involved in research at over 30 locations in Africa, Asia, Europe, and Latin America); 3) increasing public awareness by way of an annual conference to showcase NYCEP activities and improve science literacy and interest; and 4) outreach to undergraduate, especially minority students through interaction with college science programs. The grant and associated university financial aid support over 35 new graduate students and assist over 30 current students, half of which are CUNY students, during its five-year span. IGERT is funded by a five year (2003–2008) $4 million grant from the National Science Foundation.

**ERIC DELSON • Professor**
The Graduate Center, Anthropology, Biology, Earth, and Environmental Sciences
Integrative Graduate Education and Research Traineeship Program (IGERT) in Evolutionary Primatology

**CHARLES MICHAEL DRAIN • Assistant Professor**
Hunter College, Chemistry
CUNY Mass Spectrometry Facility
Smoking is the primary cause of preventable death in the U.S. In New York City, approximately 10,000 people die each year from tobacco-related smoking disease. Professor Fahs is leading the first scientifically conducted population-based trial to assess the costs and benefits of culturally appropriate smoking cessation services among Chinese Americans in the U.S. The project has received funding from the National Cancer Institute for $890,000 in 2004–2005 and $1.2 million for work through 2006. Professor Fahs’ project seeks to provide important information on the cost-effective allocation of resources for multi-level community-based interventions among recent U.S. immigrants. Recent data from the Centers for Disease Control indicated that smoking prevalence among Asian Americans is lower than the overall U.S. smoking prevalence rate of 21%. However, Professor Fahs and her colleagues found these national statistics to be underestimates, due in part to study methods and language barriers, masking serious health disparities. Professor Fahs’ baseline data show Chinese American male smoking rates are 50% higher than the rate of general population males, putting Chinese men at particularly high risk for deadly tobacco related diseases such as lung cancer, emphysema, heart disease, and stroke. Asian Americans and Pacific Islanders are the fastest growing racial/ethnic group in the U.S. In NYC, Chinese Americans constitute the single largest subgroup of Asian Americans, over 400,000. Developing effective health policies requires an understanding of the social, economic, and cultural elements that impact health behaviors. Considering that very little is known about the dynamics of smoking behavior among recent U.S. immigrants, Westat, a survey research firm, was selected to develop the largest longitudinal population-based survey of Chinese American health and smoking in the U.S. Professor Fahs and her colleagues extend current public health models to incorporate factors such as immigrant status, acculturation, and other socioeconomic and health status variables to explore how established health predictors vary under the specific circumstances of immigrants. The project seeks to increase awareness of the importance of developing effective health policies today to predict and prevent the social consequences of tomorrow. Results from this study could potentially be replicated in many other immigrant communities across the country.
JUDITH GAZZOLA • Director, Career Development Center; JANE SCHULMAN • Acting Vice President, Adult and Continuing Education; SANDRA WATSON • Associate Dean, Adult and Continuing Education
LaGuardia Community College, Adult and Continuing Education, Career Development Center

Ronnie Ghose • Assistant Professor
The City College, Chemistry

Nuclear Magnetic Resonance and Protein Interactions

Professor Ghose develops Nuclear Magnetic Resonance (NMR) techniques to study protein interaction. In 2003, he received a five-year National Science Foundation (NSF) CAREER Award for $706,000 through 2007 to support his work, which investigates the structural and motional characteristics of proteins. Changes in these characteristics can cause a multitude of diseases, including cancer. By understanding these changes, scientists can design drugs to treat the diseases they cause. Professor Ghose works with genetically engineered bacteria to produce human protein that is then purified and placed in a strong magnetic field—several thousand times greater than the earth’s magnetic field. After an NMR machine fires radio frequency signals at the sample, Professor Ghose analyzes the frequencies emitted to obtain information on the spatial and temporal characteristics of the protein. Professor Ghose conducts most of his research at the Marshak Science Building or the New York Structural Biology Center (NYSBC), the most advanced facility of its kind in the United States. His collaborators include fellow CCNY Chemistry Professor Dr. Iban Ubarretxena Belandia, Dr. David Cowburn of NYSBC, Dr. Justine Hill, a researcher at the University of Queensland in Australia, and Dr. Paul Gottlieb, Professor of Microbiology and Immunology at the Sophie Davis School of Biomedical Education.
Professor Goodrich was awarded a three-year $120,000 grant from 2004 through 2008 by the National Aeronautics and Space Administration (NASA) Cosmochemistry program. Professor Goodrich will study the petrology and geochemistry of a group of meteorites called Ureilites. Meteorites are rocks that originate from other planets (or small planetary bodies) in our Solar System. Ejected meteorites that land on Earth are collected and studied by scientists as rare, important samples. Most meteorites come from asteroids and represent the most primitive rocky materials in our Solar System—material left over from its formation 4.5 billion years ago. A small percentage of these come from asteroids that experienced the beginning of planetary differentiation (heating, melting, and consequent chemical and physical fractionation), and, as such, record the earliest stages of geological evolution of the larger planets such as the Earth. The Ureilites represent one such asteroid. Professor Goodrich’s research serves to decipher the thermal evolution and differentiation history of the ureilite parent body by studying clues in the rocks themselves. Professor Goodrich utilizes modern petrologic and geochemical techniques such as Scanning Electron Microscopy and Electron Microprobe Analysis to determine the mineralogy and chemical compositions of the rocks, and then performs petrologic modeling to ascertain the temperature and pressure conditions of their formation. A Secondary Ion Mass Spectrometry will also be used to obtain radioisotopic age dates for the rocks, in order to determine their exact time of formation relative to other primitive meteorites. Results of this work will contribute to a greater understanding of the early geologic processes that took place in our Solar System approximately 4.5 billion years ago.

Professor Guyden focuses on T-cell research as he oversees the Research Centers for Minority Institutions (RCMI) program at City College. RCMI’s goal is to bring leading minority scientists to City College and provide the funding necessary to establish research projects, which in later years may be eligible to receive support from New York State. Under the direction of Professor Guyden, the RCMI Cellular/Molecular Basis of Development research program consists of 24 scientists working in three major areas of molecular biology. Through this research program, Professor Guyden and his colleagues have developed a system that allows for study of thymic nurse cells. These cells play a vital role in the development or maturation of T-cells, the component within the immune system that protects against viral infection and cancer. Research conducted at RCMI has led Professor Guyden and his colleagues to determine that thymic nurse cells filter and destroy immature T-cells that would otherwise be harmful to the body. Maturation of these cells may potentially cause diseases such as multiple sclerosis or arthritis. In 2005, RCMI received a five-year grant from the National Institutes of Health that provided $2.2 million of first year funding with recommendations for an additional $10.3 million over the grant period.
Jobs for Youth is designed to prepare at-risk, economically disadvantaged in-school and out-of-school youth (ages 14–21) for entry into skilled occupations, apprenticeship, or post-secondary education. The program is organized as a two-year cycle with progressive goals each year leading to a registered apprenticeship or gainful long-term employment. Year one seeks to expand career awareness and prevent dropout by developing basic foundation skills, world of work skills, and vocational skills. Year two further builds on year one competencies and continues to focus on basic skills in a functional context; reinforcement of high school graduation requirements or GED preparation, work experience with hands-on training leading to placement or apprenticeship, or entry into post-secondary education. School and program retention is reinforced while addressing the systemic challenges confronting high-risk youth. Counseling, experiential learning, job shadowing, field trips, intensive summer or school vacation activities, benchmark tracking, vocational training, work experience, and community service impel participants to take on increased responsibility for their successful futures. By utilizing Career Zone, students can research occupations, use assessment tools to link their interests to potential careers, and refer to the Career Zone skills checklist to explore jobs and view up-to-date job postings in America’s Job Bank. In addition, students prepare themselves for the labor market by preparing their résumé, cover letter, and reference lists. Jobs for Youth participants are made aware of the importance of researching colleges and become familiarized with the college admissions process by attending a variety of workshops and seminars.

The Sisters in Science Educational Reform Project (SISERP) was created to address the “barriers of the mind” that females hold toward their participation in science and mathematics throughout their academic and professional careers. Over the past ten years, with the support of the National Science Foundation, the Queens College Division of Education, the Equity Studies Research Center, Temple University College of Education, and a host of other collaborating entities, SISERP has provided equitable avenues for female students to pursue academic success in science, mathematics, technology, and engineering. Incorporated into six components of SISERP is a comprehensive science and mathematics curriculum based on the national standards. Two components of SISERP include the Sisters in Science in the Community project which received funding in the amount of $415,000 for 2004–2007 and the Sisters in Science Dissemination and Outreach project which received funding in the amount of $100,000 for 2004–2006. Both projects are funded by the National Science Foundation. SISERP programs have been nationally recognized for exemplary accomplishments in programs and innovations related to leadership development and gender equity in education.
How does the ability to learn a second language change with age? What is the process through which immigrant children in the United States acquire English as their second language and maintain (or lose) their native language? What factors predict these children’s bilingual skills in the long run? Professor Jia has been investigating these issues with the Chinese, Spanish, and Russian-speaking immigrant populations in New York City, as well as their monolingual counterparts living in their native countries. Professor Jia, who received a $936,000 grant from the National Institutes of Health, is conducting her research to examine the relation between English acquisition and psychological adjustment as well as academic performance of immigrant children in the US. Professor Jia is also examining the early vocabulary development among young Chinese-English and Korean-English bilingual toddlers. Professor Jia’s findings from this research program have implications for theories of language acquisition and acculturation. The findings also bear on applied issues such as education, mental, and biological health of immigrant and bilingual children. Funding for this research project will continue through 2008.

Bronx Community College received a $400,000 grant from the U.S. Department of Housing and Urban Development to encourage economic development in specific high-need areas of the Bronx. The college staff and participating partners will deliver unique community outreach services in two community-based organizations: Peninsula Community Organization, Inc. and Mount Hope Housing Company, Inc.

Peninsula Community Organization, Inc., an organization with seven Head Start centers and an enrollment of 800 children, will receive interactive whiteboards with interfacing computers for classroom use. Faculty from the Department of Reading and Education at BCC, student education interns from BCC, and Peninsula staff will deliver technical training. The project anticipates improving teaching techniques and accelerating student learning capabilities. Parents of children in Head Start will receive seminars on parenting, reading education, and other topics. These seminars will promote education (remedial, credit, or certificate) and career training opportunities through BCC’s Office of Continuing Education and Professional Studies. BCC staff will expedite entry into programs and provide onsite assessment and classes. Human service interns will work with Head Start caseworkers to assist parents in personal decision making. Anticipated outcomes of this outreach effort include strengthening community ties, improving economic development as parents enter education and/or job training programs, and producing highly qualified trained interns who can use and introduce the technology to other college interns.

Mount Hope Housing Company, Inc. has rehabilitated 1,453 units of permanent, affordable housing and will soon initiate a community center education program. Cornell University Extension Service, a collaborator on the project, will provide its successful Pathways training program for trainees to enter food service careers. BCC staff will offer supplemental services including remedial support, marketing seminars, and college sponsored seminars in résumé writing and food service careers. The expected outcome of this effort will be the improved nutrition and health status of participants, new employment opportunities in the food industry, strengthened community ties with agricultural associations, and concomitant educational gains for children whose health will be positively affected.
Professor Kaser’s primary job as an archivist is building collections of documents to support the research of future historians. To assist him with his research, the New York State Archives Documentary Heritage Program awarded Professor Kaser a $10,000 grant in 2004 for a period of two years and a one-year $13,000 grant in 2005. The funds have been earmarked for the research of historical topics and the development of documentation strategies. The College of Staten Island is located on the former campus of the Willowbrook State School. Due to its location, researchers often expect that CSI archives will include material on Willowbrook, which was built in 1940 to house persons with developmental disabilities and physical handicaps. Willowbrook became widely recognized in January 1972 after Geraldo Rivera, then a reporter with ABC television, visited the institution with a film crew. On March 17, 1972, parents filed a lawsuit that resulted in the Willowbrook Consent Decree. Signed in 1975, the Decree represented a dramatic change in the treatment of persons with mental retardation, physical disabilities, and mental illness. Researchers consider the Willowbrook case history crucial to understanding the beginning of the disability rights movement. Professor Kaser’s research determined that no institution has collected materials documenting the activities and events that forced the Willowbrook School’s closing. In 2004–2005, with funding from the New York State Archives Documentary Heritage Program, Professor Kaser conducted a year-long study that resulted in a documentation strategy focused on the creation of an oral history program. Professor Kaser is engaged in a new documentation planning project, also funded by the New York State Archive Documentary Heritage Program. This project focuses on commemorative events and memorials planned and held on Staten Island in response to the World Trade Center Disaster. Originally inspired by the immediate events of September 11, 2001, some of the original memorials, such as roadside gardens, have already begun to disappear. Future researchers will need documentation to understand the cultural response to the tragedy.

DELORES JONES-BROWN • Professor
John Jay College of Criminal Justice, Law, Police Science & Criminal Justice Administration
Center on Race, Crime, and Justice

John Jay College has launched a new Center on Race, Crime, and Justice under the directorship of Professor Delores Jones-Brown. The Annie E. Casey Foundation provided a $20,000 award to fund a planning symposium that would revolve around the development of the Center. On February 18 and 19, 2005, John Jay College held its first symposium. Professor Jones-Brown has been aided by a multidisciplinary faculty steering committee to facilitate the development of ideas regarding the Center’s mission, structure, and focus. Additionally, Professor Jones-Brown invited ten leading scholars on race/ethnicity, criminal justice/criminology, and law to write a concept paper for presentation at a two-day gathering of scholars, students, community organizations, and criminal justice practitioners. Private and public funding agencies were also invited. After two days of robust discussion, a plan emerged for a Center that would be a multifaceted, multidisciplinary entity for exploring critical issues at the intersection of race/ethnicity, crime and justice. A visiting scholars program, community partnerships, and collaborative efforts within the college and across the university are main features of the Center’s planned functioning. Professor Jones-Brown’s career has been dedicated to empirical study of, and legal commentary on, race, crime and justice related topics. Her book, Race, Crime and Punishment, received a New York Public Library award and Professor Jones-Brown has received research and fellowship awards totaling more than $120,000.

JAMES A. KASER • Associate Professor and Archivist
The College of Staten Island, Library
Staten Island Documentation Research

Professor Kaser’s primary job as an archivist is building collections of documents to support the research of future historians. To assist him with his research, the New York State Archives Documentary Heritage Program awarded Professor Kaser a $10,000 grant in 2004 for a period of two years and a one-year $13,000 grant in 2005. The funds have been earmarked for the research of historical topics and the development of documentation strategies. The College of Staten Island is located on the former campus of the Willowbrook State School. Due to its location, researchers often expect that CSI archives will include material on Willowbrook, which was built in 1940 to house persons with developmental disabilities and physical handicaps. Willowbrook became widely recognized in January 1972 after Geraldo Rivera, then a reporter with ABC television, visited the institution with a film crew. On March 17, 1972, parents filed a lawsuit that resulted in the Willowbrook Consent Decree. Signed in 1975, the Decree represented a dramatic change in the treatment of persons with mental retardation, physical disabilities, and mental illness. Researchers consider the Willowbrook case history crucial to understanding the beginning of the disability rights movement. Professor Kaser’s research determined that no institution has collected materials documenting the activities and events that forced the Willowbrook School’s closing. In 2004–2005, with funding from the New York State Archives Documentary Heritage Program, Professor Kaser conducted a year-long study that resulted in a documentation strategy focused on the creation of an oral history program. Professor Kaser is engaged in a new documentation planning project, also funded by the New York State Archive Documentary Heritage Program. This project focuses on commemorative events and memorials planned and held on Staten Island in response to the World Trade Center Disaster. Originally inspired by the immediate events of September 11, 2001, some of the original memorials, such as roadside gardens, have already begun to disappear. Future researchers will need documentation to understand the cultural response to the tragedy.
Considerable socioeconomic position (SEP) related health disparities are known to persist in the U.S. population. These SEP related health disparities may be attributable to income, access to health care, environmental exposures, and health risk behaviors. Diet is a health risk behavior related to three of the leading causes of death in the U.S. (coronary heart disease, certain cancers, and stroke). However, little is known about the independent association of measures of socioeconomic position—level of education, income, poverty, and occupation—with diet quality or how the association of diet and socioeconomic position may be changing over time in the U.S. population. With $77,000 per year in funding from 2004–2005 and 2005–2006 from the National Cancer Institute, this study will examine nationally representative data from the National Health and Nutrition Examination Surveys conducted in 1971–1975, 1976–1980, 1988–1994, and 1999–2000, for trends in the association of socioeconomic position with diet quality from 1971–2000. The results of this study will assist in evaluating the effectiveness of past efforts in promoting desirable dietary behavior changes in high risk populations and design newer strategies to target dietary attributes associated with socioeconomic position. Dr. Kant is also examining recent national data that indicate a continuation of the trend in the prevalence of obesity in the U.S. population. Changing patterns of food acquisition and consumption as well as patterns of voluntary physical activity that promote a positive energy balance are at the center of the problem. Multiple factors may be responsible for the increase in energy intake, but are poorly understood. Surprisingly little information is available on several food consumption behaviors that may also relate with energy intake. Utilizing funding provided by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) for $154,000 from 2005–2006, this study will use nationally representative data from the National Health and Nutrition Examination Surveys to examine time trends in patterns of food consumption (as reflected in dietary variety, energy density of diets, frequency of eating episodes/snacking, breakfast, and evening/night eating behaviors). The results of this study will allow researchers to understand the correlates of energy intake and body weight leading to the design of suitable interventions by those within the public and private sectors.

**ASHIMA KANT • Professor**
*Queens College, Family, Exercise, and Nutrition Sciences*
**Diet as a Health Risk Behavior**

**KATHY KESSLER • Assistant Professor**
*Borough of Manhattan Community College, Developmental Skills Department*
**Longitudinal Investigation of Word Production in First and Second Language**

Professor Kessler is currently studying how people acquire non-native language skills. Professor Kessler along with her colleague, Professor Gita Martohardjono of the Graduate Center, predicted that they would see changes in word association patterns (the first word that comes to mind when a subject reads a word on a computer screen) as non-native English speakers learned English intensively in a classroom setting. Professors Kessler and Martohardjono developed and conducted a battery of tests using an experimental group of bilingual subjects and two control groups. In conducting this project, the researchers had several goals in mind. They wanted to develop a word-association task useful for measuring the degree of language change over a period of increasing proficiency or of language loss. In addition, they worked to determine whether effects of second-language learning extend to the first language and test predictions made about the strength of word-concept relations in both languages during intensive formal second-language learning. This $30,000 CUNY Community College Collaborative Incentive Research Grant received by Professors Kessler and Martohardjono in the first half of 2005 was extended through September 2005. They plan to expand the scope of their research to include an investigation of the brain activity associated with performing a word association task in people whose use of their native and second languages is relatively equal and those who are losing proficiency in their native language due to lack of use. While data analysis for this research is currently in progress, potential applications in teaching and learning would address the role that first-language literacy plays in processes of word-concept development during formal learning of a second language.
The Early Childhood Programs at Brooklyn College, under the direction of Professor Korn-Bursztyn serve as a site for investigating the place of the arts in early childhood education. Professor Korn-Bursztyn's areas of scholarly interest and research include the arts in education, children's narrative, qualitative inquiry in teacher research, child psychology/child development, and psychoanalysis. The Early Childhood Center (ECC), the campus child care center, and lab school of the School of Education at Brooklyn College, provide high quality child care and education programs for the children of students. Children range in age from four months through four years and after-school programs are available for children ages five through twelve years. ECC is integrally connected to the early Childhood Program at Brooklyn College through on-site opportunities for student teaching and fieldwork assignments and through the congruence of ECC and the School of Education's early childhood teacher education curriculum. Professor Korn-Bursztyn received a $152,000 grant for the period 2005–2006 from the U.S. Department of Education to establish the Child Care Access Means Parents in School (CCAMPIS) program. CCAMPIS will provide 45 low income Brooklyn College students with childcare subsidies for each semester of the project’s operation, thereby allowing students to make greater progress towards the completion of degree requirements. It is estimated that up to 540 low income students will be served by the project throughout a four year period.

REZA KHANBILVARDI • Professor
The City College, Civil Engineering
NOAA-CREST Center

Satellites send vast quantities of data to earth for the purpose of forecasting future environmental conditions, analyzing current events, and better understanding past environmental disasters. Interestingly, only a fraction of what is received is actually used for scientific or engineering purposes. Professor Khanbilvardi is developing techniques and algorithms to transform more of that data into information that state and local environmental agencies can work with to manage our nation’s natural resources. Professor Khanbilvardi oversees the National Oceanic & Atmospheric Administration (NOAA) Cooperative Remote Sensing Science and Technology Center (CREST), a consortium of five institutions extending from New York to Puerto Rico. The Center has received funding since 2001 and during the grant period 2004–2006, received a $12.5 million grant from the National Oceanic & Atmospheric Administration at the U.S. Department of Commerce. The challenges CREST faces are usually multifaceted. For example, distinctive instruments and sensors are equipped with a variety of capabilities and strengths leading Professor Khanbilvardi to conclude that no single satellite contains all of the necessary elements. Data derived from a variety of satellites is necessary to develop both short-term nowcasting (0–6 hours) and longer term forecasting capability. Much of Professor Khanbilvardi’s work involves finding ways to compensate for errors in data from older satellites by using sensors from newer satellites to forecast information not included in the satellite’s original design, thereby improving accuracy. Another concern is hydro climatic changes stemming from global warming such as precipitation changes, urban heat island effects, and algae blooms that can diminish the air supply to marine animals. To meet the challenges, the multidisciplinary teams of CREST use both satellite and ground-based remote sensing equipment and techniques to develop new technologies, new algorithms, and computational techniques that measure changes in environmental conditions. Professor Khanbilvardi’s project seeks to embrace the new technologies including new sensors, analysis, and data management techniques to store, archive, compress, retrieve, and process data from a new family of satellites that will contain more powerful instruments.

CAROL KORN-BURSZTYN • Associate Professor/
Faculty Director, Early Childhood Center Programs
Brooklyn College, School of Education
Enhancing Access to Child Care at Brooklyn College

The Early Childhood Programs at Brooklyn College, under the direction of Professor Korn-Bursztyn serve as a site for investigating the place of the arts in early childhood education. Professor Korn-Bursztyn’s areas of scholarly interest and research include the arts in education, children’s narrative, qualitative inquiry in teacher research, child psychology/child development, and psychoanalysis. The Early Childhood Center (ECC), the campus child care center, and lab school of the School of Education at Brooklyn College, provide high quality child care and education programs for the children of students. Children range in age from four months through four years and after-school programs are available for children ages five through twelve years. ECC is integrally connected to the early Childhood Program at Brooklyn College through on-site opportunities for student teaching and fieldwork assignments and through the congruence of ECC and the School of Education’s early childhood teacher education curriculum. Professor Korn-Bursztyn received a $152,000 grant for the period 2005–2006 from the U.S. Department of Education to establish the Child Care Access Means Parents in School (CCAMPIS) program. CCAMPIS will provide 45 low income Brooklyn College students with childcare subsidies for each semester of the project’s operation, thereby allowing students to make greater progress towards the completion of degree requirements. It is estimated that up to 540 low income students will be served by the project throughout a four year period.
Professor L’Amoreaux and a group of researchers at the College of Staten Island study the functional aspects of interactions of macromolecular assemblies within the context of living cells and organisms. To support and augment research in this general area, Professor L’Amoreaux received a $480,000 grant in 2004 through 2007 from the National Science Foundation (NSF) to purchase a confocal laser scanning microscope imaging system with spectral imaging capabilities. When added to the existing X-ray spectrometers, this equipment package creates an advanced imaging facility for use by an interdisciplinary group of CSI faculty, CUNY faculty, and scientists from academic and commercial institutions. This recently installed instrument is currently being used to analyze data. Professor L’Amoreaux and his team have used indirect immunofluorescence on receptors and enzymes responsible for transmission of nerve impulses from the brain to the pancreas of control and taurine-fed mice. The taurine-fed mice showed marked differences in localization of these two proteins, suggesting that the role of GABA in regulating insulin release may be affected by taurine. The instrumentation is also used to support several graduate and undergraduate courses and undergraduate and graduate research.

One of the areas of focus of the Lawrence N. Field Center for Entrepreneurship at Baruch College is understanding how entrepreneurship among minority business owners differs from that of non-minority business owners. It is widely known that entrepreneurial endeavors are the foundation of the American economy, thereby enabling the creation of jobs and wealth. In the case of minority populations, the role of entrepreneurship is perhaps even more important than in the overall population. Indices, such as unemployment statistics, clearly show that not only do many minority communities lag behind the overall economy, but many are also more economically vulnerable. Thus, most minority communities need economic growth and job creation through active entrepreneurial activities. The Ewing Marion Kauffman Foundation awarded Professor Myung-Soo Lee a $150,000 grant through 2006 to conduct research in this field. Using a telephone survey methodology, Professor Lee and his colleagues conducted 200 interviews with Mexican-Americans and 200 interviews with Korean-Americans. This data will augment previously collected African-American and Caucasian samples in an effort to address a variety of entrepreneurship issues such as creating a family owned business, managing the dynamics between household and business systems, and exiting businesses after retirement. The researchers will analyze these issues in the African-American, Mexican-American, and Korean-American populations and will compare and contrast them with the sample of non-minority business owners. The prevalence, profiles, and in-depth analyses across the three minority samples will provide a rich milieu for current and future research, teaching, and outreach.
Queens College was the recipient of one of only two statewide Math/Science Partnership awards in science in collaboration with the NYC Department of Education’s Region 2 (East Bronx). The grant, provided by the NYC Department of Education for approximately $3.6 million for the period 2004–2007, was designed to provide 60 hours of professional development in science annually to 300 K–12 teachers from 70 schools. Schools receive state-of-the-art scientific instruments and teachers are trained on how to incorporate instruments into the curricula. The purpose of the initiative is to train GLOBE® Program teachers in scientific protocols and develop a region-wide network of hands-on research conducted by children in grades K–12. The project seeks to improve the instruction of science and increase student learning in one of the poorest congressional districts in the nation. By implementing a three-stage process, the GLOBE® Program will focus on improving teachers’ general scientific backgrounds and skills in inquiry-based pedagogy, introduce teachers to areas of scientific research and instruments enabling students to carry out grade-appropriate research in the local environment, and create a region-wide student research network based in the Bronx culminating with a GLOBE® science research conference. Participant evaluation of Year I activities was almost unanimously laudatory, with many veteran teachers referring to the training as their best professional development experience. Based on these reports, Region 2 has expressed an interest to train all of its schools in GLOBE® and begin the normally post-grant sustainability portion of the award immediately. The award has allowed for the establishment of a long-term partnership between Queens College and Region 2 leading to the opening of the GLOBE® School for Environmental Research in September, 2005.

LaGuardia Community College received a $380,000 grant from the U.S. Department of Education for the LaGuardia Community College/Vassar College Upward Bound Project. The program’s goal is to increase high school retention and completion rates, college attainment rates, and postsecondary completion rates. The program targets low-income students who reside in Queens and aspire to be the first in their families to attend college. During the academic year, high school students attend Saturday sessions to prepare for regents examinations and SATs. Seniors are assisted with college and financial aid applications and are offered elective classes, such as digital photography. In addition, Upward Bound students are provided with after school tutoring and participate in activities and field trips throughout the year. Activities include career days, visits to college campuses, museum tours, theater outings, and community service. In the summer, 40–45 students are selected to spend five weeks at the Vassar College campus for an intensive academic program. An Associate Director, Administrative Assistant, and a staff of eight mentor/tutors live on campus with the students and assist with classes. Four teachers, selected from the ranks of college and high school are recruited to teach two interdisciplinary classes in Math/Science and English/Social Science. Students also attend workshops on study habits and test-taking skills, attend nightly study groups, write reports, and prepare end of term projects. On weekends, students travel to state parks, museums, and outdoor theaters. Directed by Robert Levine, the program provides academic, recreational, and cultural activities to promote a student’s educational and personal growth, civic engagement, and readiness for college.
Sight relies on a set of complex microcircuits that exist in both the eye and the brain. The initial stages of visual processing are carried out by the retina, a thin neuronal membrane found in the back of the eye that is specialized for detecting light. Within this membrane, five neuronal cell classes exist to encode the visual scene into a language that can be understood by the brain. Only one of these cell classes, the rod and cone photoreceptors, are sensitive to light and yet this is sufficient to generate at least a dozen parallel channels that simultaneously carry visual information such as movement, contrast, and brightness to the brain. The focus of Professor MacNeil’s lab is to elucidate the circuits formed between three retina cell classes, the bipolar cells, amacrine cells, and ganglion cells with the aim of understanding how these parallel visual streams are generated. Professor MacNeil began this work by identifying the cell types found in a model mammalian retina and is currently using neuroanatomical techniques to study the synaptic circuitry between these cell classes. Professor MacNeil has received more than $600,000 in funding from the National Institutes of Health from 2004 through 2008 to conduct this research.

Research in Professor Magliozzo’s laboratory is devoted to the analysis of antibiotic resistance in tuberculosis infection. A worldwide health problem that severely complicates treatment and the potential for eradication, TB still infects and kills millions of people each year. Isoniazid, the oldest antibiotic used since 1952 to treat this disease, is no longer effective in a significant and growing proportion of infected individuals because the tuberculosis organism has developed mechanisms to survive its exposure. In some cases, three or four other drugs also commonly used in treatment are no longer effective. Professor Magliozzo’s research examines isoniazid resistance at the molecular level through study of the structure and function of the key enzyme responsible for drug action in TB bacteria. Since 1999, Professor Magliozzo has received support from the National Science Foundation (NSF) and the National Institutes of Health (NIH). In 2002, NSF awarded Professor Magliozzo a three-year grant for $181,000 and in 2005 he was awarded a $383,000 one year grant from the NIH. Spectroscopy, enzymology, and molecular biology are the techniques currently applied in this type of research in the Brooklyn College Department of Chemistry. Notably important results from efforts in the laboratory will lead to a complete understanding of the biochemical origins of isoniazid resistance in the most commonly encountered drug resistant strain of TB bacteria found in patients throughout the world.
**Paul Marchese** • Assistant Professor  
**Cheryl Bluestone** • Professor  
Queensborough Community College, Physics / Social Sciences  

**Development of an Inquiry-Based Meteorology Course for Non-Science Majors**

The National Science Foundation awarded a $79,000 grant to Professors Marchese and Bluestone for 2005–2006 under the Course, Curriculum, and Laboratory Improvement (CCLI) program. The program involves modifying an existing introductory meteorology course by transforming the method of instruction from one that is solely lecture-based to one that emphasizes active learning. Educational materials and pedagogical methods developed and successfully implemented at four-year colleges will be adapted to the predominantly minority student body at Queensborough Community College. The objectives of the newly designed course are to assist students in developing an appreciation of science and a basic understanding of relevant scientific principles as well as to increase general science literacy. The introductory meteorology class is ideal for incorporating recent advancements in science education. In addition to meteorology, students learn basic physics, chemistry, and earth science. Unlike other science classes that can be more abstract, meteorology affects everyone and real-world examples abound. Incorporated into the course are student-centered activities and pedagogical elements proven to be more effective methods of instruction. These include collaborative learning, qualitative observations such as experiments and demonstrations, and class discussions in which the instructor serves as facilitator rather than lecturer. Project evaluation will encompass the assessment of student beliefs and engagement with course materials as well as concept mastery. If successful, this project may serve as a model for pedagogical reform at other urban community colleges. Results of the project will be presented in various media outlets—meetings, professional publications, and websites—to ensure dissemination throughout the educational community.

**Hiroshi Matsui** • Associate Professor  
Hunter College, Chemistry  

**Novel Material Synthesis and Device Fabrication by Applying Peptide/Protein Assemblies**

Non-traditional fabrications of devices such as future electronics and sensors have been investigated extensively by assembling nanometer-sized building blocks into the device configurations. While various novel nano-components have been synthesized as building blocks to construct those innovative, much improved nano-devices, reliable methods of assembly onto precise positions to design devices are necessary. Professor Matsui’s team addressed these issues by an unusual combination of Biotechnology and Nanotechnology. Through research awards totaling $481,000 from the Department of Energy through 2007, Professor Matsui developed a method to functionalize those nano-components with antibodies that recognize and selectively bind complementary antigens. After antigens are patterned on electronic substrates, antibody-functionalized nano-building blocks are targeted and attached at complementary positions to build three dimensional nano-scale architectures at uniquely defined positions. This outcome was unachievable precisely by other conventional methods. Professor Matsui also developed novel smart building blocks for future electronics and sensors from proteins and peptides. These biological molecules have extraordinary abilities to grow materials unable to be produced by synthetic means in an ambient environment. By using new biological technology, Professor Matsui recently reported unusual crystal formations of BaTiO₃ and ZnS, important components for electronics and solar cells, at room temperature from designed peptide assemblies for the first time. The combination of the nano-building block assembly techniques and new material synthesis techniques will pave the way for the design and engineering of devices in electronics, communications, solar cells, photonics, drug delivery, tissue engineering, and medical imaging.
Professor Min's study, funded by the National Science Foundation for $98,000 from 2005 to 2007 intends to examine systematically the effects of immigrant entrepreneurship on both “ethnic attachment” (the cultural, social and psychological integration into the ethnic community) and “ethnic solidarity” (use of ethnic collective action) for Chinese, Indian and Korean immigrants in New York. Two hypotheses that determine the major direction of inquiry are: (1) immigrant entrepreneurship strengthens ethnic attachment for all three Asian groups; (2) due mainly to the differences in business patterns, combined with the differential levels of population diversity among the three groups, immigrant entrepreneurship is likely to enhance Korean immigrants’ ethnic solidarity whereas it may weaken Chinese and Indian immigrants’ ethnic solidarity. A telephone survey of 300 Korean, 300 Chinese, and 300 Indian immigrants in New York City will be used to examine the effects on ethnic attachment. To examine the effects on ethnic solidarity, a review of The New York Times articles and in-depth personal interviews with approximately 40 Chinese, 40 Indian, and 20 Korean community, business, professional, and labor organization leaders in the New York-New Jersey area will be conducted. The study seeks to make a significant contribution to sociological knowledge by demonstrating the effects of immigrant business patterns on two separate ethnic phenomena. Traditional sociological approaches have focused on examining the effects of ethnic ties on immigrant entrepreneurship, neglecting to examine the effects in the opposite direction. Broader impacts of this project will include providing useful information concerning business patterns among the three Asian immigrant groups and training 16 Chinese, Indian, and Korean undergraduate and graduate students for sociological research in their own communities.

Professors Patricia Molina, Lauren Goodwyn, and Sarah Salm received a $30,000 PSC-CUNY Collaborative Community College Research Grant in 2005 in order to study the p53 gene. This gene produces a protein that suppresses tumor growth by either repairing or destroying cells with DNA damage. Previous research on the gene has determined that about 70% of cancer cases in humans arise from cells that have a missing or damaged p53 gene. There are many mechanisms by which the protein accomplishes its work, therefore the researchers elected to study one aspect of the protein: the pattern and degree of phosphorylation (the placement and number of bound phosphorus atoms). One of the goals of their research is to determine whether phosphorylation patterns influence the behavior of the p53 gene, thereby better understanding one possible tumor-suppressing mechanism. Another goal of the study is to provide an opportunity for community college students to participate in scientific research. Through this project, ten BMCC students work in a research laboratory during their first or second year of college—a rare occurrence for undergraduates. The hands on, research-based method of teaching boosts student self-confidence and provides professors the opportunity to facilitate students’ special interests in a way that is impractical in the regular class environment. Students develop critical thinking and problem solving skills while conducting research. Students with more research experience are paired with beginning student researchers, allowing experienced students to become mentors and cultivate leadership skills. Additionally, students must present their findings to the research group and the college. Through this experience, students gain an understanding of the importance of organizing and presenting their ideas as a research scientist.
Professors Nagarkatte and Movasseghi, in collaboration with the Freshman Year Program and the Post Secondary Readiness Center at Medgar Evers College, work towards improving student retention and increasing the number of mathematics majors. Assisting in this effort, the U.S. Department of Education has provided funding via two grants totaling $261,000 for 2005–2006. Funding is allocated towards the training of mathematics faculty on the Theory of Constraints (TOC) in an effort to address the issues concerning student retention and increasing mathematics majors. After Professors Nagarkatte and Movasseghi received training in TOC, a robust, system-wide document was developed that synchronized classroom instruction, tutoring, counseling, and supplemental instruction. Involving the entire faculty of the mathematics department allowed for a positive and open environment for students and, as a result, the number of mathematics majors increased from 7 to 22 in 2003 and to 35 in 2005. Fourteen students graduated in mathematics during the past two academic years (2003–2005). Funding for TOC training has improved the learning environment, enhanced curriculum development, allowed for tutorial activities to take place, and provided summer research opportunities to more than fifteen students annually.

UMESH P. NAGARKATTE • Professor
DARIUS MOVASSEGHI • Professor, Department Chair
Medgar Evers College, Mathematics
Learning Environment for Advancing Progress

ELENA NOGINA • Associate Professor
Borough of Manhattan Community College, Mathematics
Mathematical Foundations of Knowledge Representation

Professor Elena Nogina received a $23,000 CUNY Community College Collaborative Incentive Research grant through 2005 for her work on knowledge representation. Professor Nogina is developing a new approach to the mathematical theory of knowledge inspired by the classical works of the 1930’s mathematicians Kolmogorov and Goedel. This new approach uses state of the art techniques to model fundamental notions such as “sufficient evidence” and “knowing for a reason.” For example, our driving habits are based on our knowledge of driving laws and our knowledge that other drivers know those same laws. We would drive very differently, or not at all, if we knew the driving laws but had no information about other drivers’ knowledge of the laws. The notion of knowledge and common knowledge has been of great interest to economists and game theorists ever since Robert J. Aumann’s seminal paper in 1976. Professor Nogina’s more realistic models could have broad applications in the fields of game theory, economics, military strategy and intelligence, philosophy, and psychology. The main goals of the current research are determining proof of theoretical and computational properties as well as building models for these new logics. Models such as Kripke, Fitting, and Topological may become an important contribution to the mathematical theory of knowledge. Professor Nogina is collaborating with Professor Sergei Artemov of the CUNY Graduate Center and three CUNY graduate students on this new modeling technique.
The Hunter College School of Education has been awarded a 5-year $3.5 million grant ($700,000 per year from 2004–2008) from the National Institute of Disability Rehabilitation Research (NIDRR), part of the US Department of Education's Office of Special Education and Rehabilitative Services. The grant funds the establishment of a national Employment Service Systems Research and Training Center (ESSRTC), a unique collaboration between Hunter College, Syracuse University, Hofstra University, Drake University, and the Center for Essential Management Services, a not-for-profit research, technical assistance and training agency. Innovative uses of technology will facilitate national dissemination of the Center's research results and training activities through the use of a variety of distance learning technologies. ESSRTC's research projects aim to improve the quality of employment services, opportunities, and outcomes for people with disabilities. One project is field based and tests different strategies to facilitate the hiring and continued employment of persons with disabilities. Centralized networks of employers and vocational rehabilitation service providers are created or enhanced and evaluated in three communities. These networks serve as convenient resources for employers hiring persons with disabilities. One project is field based and tests different strategies to facilitate the hiring and continued employment of persons with disabilities. Centralized networks of employers and vocational rehabilitation service providers are created or enhanced and evaluated in three communities. These networks serve as convenient resources for employers hiring persons with disabilities. One project is field based and tests different strategies to facilitate the hiring and continued employment of persons with disabilities. Centralized networks of employers and vocational rehabilitation service providers are created or enhanced and evaluated in three communities. These networks serve as convenient resources for employers hiring persons with disabilities. One project is field based and tests different strategies to facilitate the hiring and continued employment of persons with disabilities. Centralized networks of employers and vocational rehabilitation service providers are created or enhanced and evaluated in three communities. These networks serve as convenient resources for employers hiring persons with disabilities. One project is field based and tests different strategies to facilitate the hiring and continued employment of persons with disabilities. Centralized networks of employers and vocational rehabilitation service providers are created or enhanced and evaluated in three communities. These networks serve as convenient resources for employers hiring persons with disabilities. One project is field based and tests different strategies to facilitate the hiring and continued employment of persons with disabilities.
CUNY on the Concourse has dedicated itself to the implementation and dissemination of adult education and workforce development programs. An extension of the Division of Adult and Continuing Education at Lehman College, CUNY on the Concourse operates in a consortium with Lehman College, Bronx Community College, and Hostos Community College to provide workforce education to the Bronx community. Through the Workforce1 Career Center and foreign trained registered nurse program, CUNY on the Concourse has demonstrated its commitment to workforce development. In 2005, the Division of Adult and Continuing Education received a $3.9 million grant through 2006 from the NYC Department of Education to establish a center that provides a full range of Workforce Investment Act (WIA) services including job placement and career counseling. Bronx residents have access to a state-of-the-art resource center, a centralized employer data bank, free vocational skills training, and assistance with employment services. In an effort to address the training needs in this area, CUNY on the Concourse also received a two-year $200,000 grant from the Robin Hood Foundation for the time period 2005–2007. The grant will be used to fund a program for foreign-trained registered nurses working out of title who have experienced difficulty in passing the New York State licensing examination for registered nurses. Foreign-trained nurses receive courses in English that are contextualized for the nursing profession. In addition, they receive supervised clinical placements in healthcare facilities as well as instruction on test taking skills particularly focusing on the licensing exam. Presently 50 students from the Caribbean, Central and South America, Eastern Europe and Russia, and Southeast Asia are participating in the program. Upon completion of the program and passing of the licensing exam, students have the opportunity to increase dramatically their earning potential and become part of a profession that greatly needs them and their diversity.
Professors Shari Rothfarb-Mekonen and Phil Weisman received a National Science Foundation Advanced Technological Education Grant in fall 2004. The grant, totaling almost one million dollars over a three year period, will fund a program to address the national conversion from analog to digital (high definition) television mandated by the Telecommunications Act of 1996 and the necessary training and retraining of students, industry employees, and educators that the conversion will require. This collaborative initiative involves BMCC, WNET Channel 13, and Chelsea High School. The goal of the project is to implement an academic program that begins in the senior year of high school, continues in the BMCC Video Arts and Technology program (VAT), and concludes in participating four year colleges. VAT seeks to train three major groups, the first of which includes new students who will be trained in the latest high-definition technology from high school through the four-year program. The second group that VAT will focus on—the current media workforce—will be retrained in the new technology allowing them to upgrade their current skills and enhance their professional development. Finally, faculty teaching in regional high schools, colleges and universities will receive technological training to be better equipped to improve their curricula. The National Science Foundation is particularly interested in funding advanced technology training in two year colleges. BMCC is in a unique position to be a leader in this area based on its state-of-the-art facilities, a 25-year reputation for excellence in video technology, its CUNY network, and its location in Manhattan amid the largest national media market. BMCC serves a large body of minority students and this project will positively impact students by ensuring that underrepresented minorities are recruited and retained in advanced technology media positions.

SHARI ROTHFARB-MEKONEN • Assistant Professor
PHIL WEISMAN • Assistant Professor
Borough of Manhattan Community College, Video Arts and Technology Program (VAT)
Creating Career Pathways for Women and Minorities in Digital Video Technology

Valerie Rutstein • Public Authority Training Program Director
The Graduate School
Public Authority Training Program

Established in spring 2003, the School of Professional Studies (SPS) develops educational programs to serve the needs of New York’s working adults as well as employers and draws upon the expertise of CUNY faculty. In spring 2005, the New York State Commission on Public Authority Reform engaged SPS to design a curriculum and train board members and executive directors of the state’s public authorities to carry out their governance and fiscal oversight responsibilities more effectively. The Commission agreed to underwrite SPS’s costs for this activity in spring 2005 up to $400,000 through 2006. Hundreds of public authorities, including the Dormitory Authority of the State of New York and the Metropolitan Transit Authority acquire debt in the billions of dollars to support the operation and construction of public works projects. Typically, projects are governed by a voluntary board of directors and managed by a full-time staff. The Commission is charged with addressing the formal training needs of board members with a wide range of professional backgrounds not necessarily contained within the areas of expertise of their authorities’ operations. To design the curriculum and conduct the training, SPS recruited senior faculty members from Baruch’s Zicklin School of Business, Zicklin Center for Corporate Integrity, The School of Public Affairs, and The City College of New York. Faculty developed and conducted two one-day seminars in New York City, Albany and Syracuse targeting board members and executive directors of the 23 largest public authorities. To support the training, customized follow-up training, a website, and a helpdesk are available.
Valerie Shafer • Associate Professor
The Graduate Center, Speech and Hearing Sciences
The Neurodevelopmental Basis of Speech Discrimination

Previous research has shown poor speech processing in children with language impairments. Professor Shafer’s study aims to determine the causal relationship between the development of speech perception in the first year of life and later speech and language development; the relationship between brain and behavioral measurements of discrimination of the vowel contrast from 3 months to 10 years of age and the effect of the input (monolingual vs. bilingual) on the ability to discriminate speech. In Professor Shafer’s study, brain activity of infants and toddlers between the ages of 3 and 12 months is measured using the electroencephalogram (EEG) while discriminating phonetically similar vowel sounds (I vs. E as in bid vs. bed). This provides an index of neural processes that underlie the ability to discriminate. The study includes a sub-group of infants from bilingual Spanish-English households because research suggests that exposure to a different distribution of speech sounds during development affects the ability to discriminate between speech sound categories such as L vs. S or L vs. E. EEG measures are compared to behavioral measures of speech and language competence obtained at 6, 12, 18, 24, and 36 months of age in a longitudinal study that follows the same children over 2.5 years. A cross-sectional study of children 3 months to 10 years of age as well as adults will also be conducted to obtain information concerning the relationship between EEG measures of brain discrimination and measures of behavioral discrimination that cannot be obtained in the longitudinal design. This study is supported by a five-year grant (2004–2009) in the amount of $1.6 million from the National Institutes of Health (NIH).

Gail Smith • Assistant Provost (Acting)
The Graduate Center, Office of Educational Opportunity and Diversity Programs
MAGNET-STEM

The Graduate Center received renewed funding from the National Science Foundation (NSF) to support its Alliance for Graduate Education and the Professoriate program (AGEP) titled, Minority Access/Graduate Networking in the Sciences, Technology, Engineering and Mathematics (MAGNET-STEM). The renewal award, $6 million to cover the period 2004–2009, was almost two times more than what was received for the 1999–2004 grant period. AGEP serves to increase the number of domestic students receiving doctoral degrees in the sciences, technology, engineering and mathematics (STEM), with special emphasis on underrepresented groups in these fields (i.e., African Americans, Hispanics, American Indians, Alaska Natives, Native Hawaiians, or other Pacific Islanders). Specific objectives of the AGEP include the development and implementation of innovative models for recruiting, mentoring, and retaining minority students in STEM doctoral programs and developing effective strategies for identifying and supporting underrepresented minorities who aspire to pursue academic careers. Documented success during the first phase of AGEP laid the framework for the current renewal. Among the successes were substantive changes in minority applications, degree program acceptances, enrollment in STEM disciplines, and degrees awarded. Alliance partners of AGEP include the New Jersey Institute of Technology, Polytechnic University, Stevens Institute of Technology, and the senior colleges at CUNY. Participating departments include biochemistry, biology, chemistry, computer science, earth and environmental sciences, engineering, mathematics, physics, psychology, and speech and hearing sciences.
A long-standing theoretical assumption in the field of social psychology is the premise that people are fundamentally motivated to form and maintain close interpersonal attachments. A logical extension of this principle is that people who fail to achieve social acceptance will make stronger efforts to create and fortify interpersonal bonds. However, the behavioral evidence for this proposition has been weak as recent research links temporary or chronic feelings of rejection to an increase rather than decrease in antisocial behaviors. Professor Sommer’s project focuses on the neglected role of social expectancies in understanding how people cope with rejection. She argues that rejection leads people to develop broad, negative expectancies that depict others as unkind and untrustworthy. To deflect the impact of perceived, impending rejection, people defensively and pre-emptively derogate new relationship partners. Professor Sommer conducted several experiments in which participants are temporarily led to believe that another person evaluated them positively or negatively following a brief interaction. Participants are then paired with a new person and asked to evaluate that person based on a series of trait dimensions such as kindness and intelligence. The findings have consistently demonstrated that rejected participants anticipate rejection by new acquaintances and that these negative expectancies cause them to evaluate new partners more harshly. New acquaintances, in turn, respond to this criticism by developing more negative impressions of their (previously rejected) partners. The result is a self-fulfilling prophecy whereby rejected individuals bring about the very rejection that they anticipated. This line of research is the focus of a recent $253,000 grant from the National Institute of Mental Health.

The Computer and Mathematics Scholar Support Coalition serves to increase the number and level of preparation of students in the fields of Mathematics, Computer Science, Information Systems Technology, and Communications Technology. Supported by a $400,000 National Science Foundation grant awarded to Professor Strassberg through 2007, the project offers underrepresented students experiencing financial hardship with opportunities to study current, rigorous curricula under the guidance of high technology industry leaders. Additionally, the project provides 29 students with up to $3,125 per year in scholarships. Each student is assigned a faculty mentor and participates in activities that bring both students and faculty together. Guests such as students, alumni, and professionals in the field are invited to discuss internship experiences, conduct presentations concerning graduate school, and offer insight to the various math and technological applications encountered in the work environment. The program will greatly benefit students as it seeks to establish and maintain strong partnerships among college faculty and business leaders.
The National Science Foundation awarded a $900,000 grant to Bronx Community College from 2005 to 2006 to develop and implement an Energy Services Technology Program (EST). EST seeks to develop a cadre of trained personnel on whom the private and public sector may rely to inform them about the benefits of adopting efficient and renewable energy programs and sources. EST, the first program of its kind in CUNY, will establish an A.A.S. degree program in Energy Services Technology as well as a series of continuing education courses at the college. The Energy Services Technology A.A.S. degree curriculum and certificate programs will be linked to a group of BCC’s secondary school programs including College Now and Tech Prep, currently supported by the New York State Department of Education. In addition to the automotive technology program offered at BCC, EST will be affiliated with five New York City high schools offering automotive technology programs. EST is designed to provide new career opportunities by establishing an educational pathway from high school or the community college level to job placement. EST will be closely associated with BCC’s Center for Sustainable Energy and will enable students to work in occupations such as energy auditor, energy manager, energy cost analyst, building control operator, consumer service representative, and alternative fuel vehicle service technicians.

REID STRIEBY • Associate Professor
NEAL PHILLIPS • Associate Professor
Bronx Community College, Physics and Technology
Energy Services and Technology Program (EST)

The Survey Research Unit of the School of Public Affairs at Baruch College has completed its fourth year of conducting the Community Health Survey (CHS) for the New York City Department of Health and Mental Hygiene (DOHMH). From its inception in 2002, Marty Frankel, Professor and Sampling Statistician, Stephen Immerwahr, Director of Research of the Survey Research Unit, and Romuald Litwin, Director of Operations of the Survey Research Unit, have played a significant role in the design and implementation of CHS. A sophisticated telephone survey, CHS is comprised of information acquired from nearly 10,000 New York City adults regarding a wide range of health-related behaviors and risk factors. Data from CHS is used extensively by researchers, program planners, and policy makers within DOHMH as well as other government and nonprofit agencies to assist in the prevention of disease and the promotion of health in the city’s population. CHS is a unique and challenging survey. Interviews are conducted in nearly one dozen different languages throughout a calendar year from the telephone center at Baruch College. Rigorous standards are employed in the pre-testing of questions, training and monitoring of interviewers (many of whom are CUNY students), random selection of respondents within households, and management of the sample. The sampling strategy is distinct and involves an innovative method of targeting neighborhoods that allows for neighborhood-level statistical estimates while maintaining the integrity of a true, fully random telephone sample. Each year, data from the survey form the basis of numerous health reports, scholarly articles, and other publications. Survey results are featured prominently in Community Health Profiles, a publication of DOHMH. This publication, which offers a series of reports on the health status of the city’s various communities, is widely read by program planners, nonprofit organizations, and the general public. Recently, DOHMH integrated CHS data into its new EpiQuery, an online data access tool that allows program planners and the public to utilize the compiled information. Complete microdata files and documentation are available on the DOHMH web site for use by scholars and policy researchers. CHS is quickly becoming one of the most important and widely used sources of health-related data on the population of New York City. Funding for CHS is made available through a multi-year, $501,000 grant from DOHMH through 2007.

GREGG G. VAN RYZIN • Associate Professor
Baruch College, School of Public Affairs
New York City Community Health Survey (CHS)
MARIBEL VAZQUEZ • Assistant Professor
The City College, Biomedical Engineering
Glioma Cell Migration

Professor Vazquez uses micro and nano technologies to study cell migration and has two major research projects underway. The first project, a collaborative partnership between City College and Memorial Sloan-Kettering Cancer Center, received $473,000 in funding in 2004 and $471,000 in funding through 2005 from the National Cancer Institute. In this research project, Professor Vazquez attempts to retard migration of glioma (brain cancer) cells in order to prevent the dispersion of a mortal disease. Professor Vazquez’s research has allowed her to create a micro-environment that mimics the brain in order to track the chemotactic movement of glioma cells as they attract other cells to form tumors. One discovery made by Professor Vazquez was that cells migrate toward certain growth factors, a term she refers to as a “sweet spot.” When cells reach a certain concentration level, they cease to migrate or begin migrating away from the sweet spot. In the future, Professor Vazquez hopes to use nano technology to identify the proteins that cause migration and inhibit their function.

The second project Professor Vazquez focuses on is the acceleration of cellular migration in order to help repair torn ligaments and other connective tissue. Funded by the National Science Foundation in 2004–2007 for $468,000, this project uses microfluidic devices to study the formation of cellular interconnects needed for wound healing and development of artificial ligaments. By applying fluid shear stress—friction resulting from internal flows within the micro channels—Professor Vazquez is attempting to stimulate fibroblast cells to form a three-dimensional network instead of adhering as a monolayer. Since March 2004, Professor Vazquez has received six grants from National Institutes of Health, the National Science Foundation, and the Pediatric Brain Tumor Society for a total of nearly $1.5 million in support of her research.

NAN-LOH YANG • Director, Professor
BHANU CHAUHAN • Co-Director, Associate Professor
RALF M. PEEZ • Co-Director, Assistant Professor
CHWEN-YANG SHEW • Co-Director, Associate Professor
SPIRO D. ALEXANDRATOS • Consortium Member, Professor, Hunter College
QIAO-SHENG HU • Associate Professor
SHI JIN • Assistant Professor
MICHAL KRUK • Assistant Professor
SHUIQIN ZHOU • Associate Professor
The College of Staten Island, Chemistry
Center for Engineered Polymeric Materials (CEPM)

The Center for Engineered Polymeric Materials (CEPM) fosters industrial outreach and collaborative research in the development of complex polymeric materials based on multiple phases including significant structure at the nanometer scale. The Center received a $2.3 million award from the New York State Office of Science, Technology and Academic Research (NYSTAR) College Applied Research and Technology Center (CART) in 2004 through 2009. CEPM focuses its research on macromolecular design, process innovation and improvements, and the fundamental science behind structured polymeric materials. CEPM also provides educational workshops, technical expertise related to technology transfer, shared use of commercial software and digital instruments, and collaborative opportunities on product formulations and scientific publications. CEPM’s initial success, the inaugural event and symposium held on March 10, 2005, included six scientific lectures; one conducted by the 2000 Nobel Laureate in Chemistry. One of CEPM’s successful collaborations included the Pall Corporation and involved the selective removal of dissolved silica from process water in industrial plants. Silica limits the performance of cooling towers and reverse osmosis membrane systems and causes contamination in high-pressure boiler feedwater systems and geothermal energy plants. CEPM has devised a novel polymer (patent to be filed) that removes silica from water based on the understanding of this polymer’s function. The development is an important one for the Pall Corporation and commercialization of the invention is in the planning stages. Additionally, collaborative projects are underway with Kent Optronics, Becton Dickinson, Honeywell International, Pall Corporation, General Electric, and Sun Chemical. The private industry monetary commitment for 2005–2006 totals $253,000.
Plants, unlike animals, are sessile organisms that must be able to sense the external environment (such as water status, carbon dioxide, light, temperature and nutrients) in order to make an appropriate adjustment to the dynamic changes of the environment. Therefore, plant growth and development are plastic in nature, controlled by elegant signal perception and transduction mechanisms. Two major projects are currently underway in Professor Zheng’s research laboratory. One such project is the ROP10 small GTPase signaling in the plant hormone abscisic acid (ABA) response. This two-year project, which began in 2004 and ends in 2006 received funding totaling $100,000 from the US Department of Agriculture National Research Initiative Competitive Grants Program. ABA is regarded as a “Master” stress hormone, critical for plant response to a variety of stresses including drought, cold, salt, and some pathogen attacks. ROP10 was previously shown to be a negative regulator specifically involved in ABA signaling. The goal of this project is to combine genomic and genetic approaches for the purpose of identifying the downstream signaling proteins in the ROP10 pathway. Professor Zheng’s second project is the dissection of another ROP GTPase-mediated signaling pathway involved in carbon and nitrogen nutrient balance responses. The perception and transmission of carbon and nitrogen nutrient balance signals is a fundamental problem in all cellular organisms. Correct interpretation of cellular carbon and nitrogen balance is critical for the programming of metabolism, growth, and development. The primary goal of this National Institutes of Health three-year $600,000 project, which began in 2004 and ends in 2007, is to establish a functional linkage between ROP GTPases and the novel CNR proteins in the nutrient balance signaling.
Professor Lucinda Zoe and Archivist William Casari received a $33,500 grant from the New York State Archives’ Documentary Heritage Program to identify, survey, and plan the systematic collection of records that document the first decade of Hostos Community College. The grant assists in illustrating the decisive battles Hostos Community College endured to become a vital, active contributor to the South Bronx and New York City. The project, now in its second year, documents the history of the College and its surrounding Latino and Afro-Caribbean community. The Documentary Heritage Program has recovered unique, one-of-a-kind faculty and institutional records that were at risk of irretrievability. Included were faculty papers, photographs and theater posters, prints, and exhibition catalogs from the Hostos Center for the Arts & Culture. In particular, the faculty collections are distinguished by the amount and diversity of materials regarding a turbulent time in Hostos’ history (1973–1978) when the existence of the college was threatened by budgetary constraints and lack of facilities. The “Save Hostos” campaign prevailed with fierce determination as leaflets, petitions, clippings, reports, and community outreach weaved into the daily practices of managing, teaching, and learning in an institution of higher education. Through the grant, a dedicated archive room has been established in the Hostos Library to house materials and an assistant archivist has been recruited. The records are in the process of being catalogued and a mechanism for locating records will be developed in spring 2006.
AWARDS
ABDELLATIF, NASSER — BRONX C. C.
NYS EDUCATION DEPARTMENT
Science & Technology Entry Program (STEP) 2000, $141,253

ACRIVOS, ANDREAS — CITY COLLEGE
NASA
Particle Segregation in a Flowing Concentrated Suspension Subject to High-Gradient Strong Electric Fields, $97,000

ACRIVOS, ANDREAS/KHUSID, BORIS — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
Transport and Segregation of Suspensions in Traveling Electric Fields, $305,099

AGRAWAL, ANIL — CITY COLLEGE
CORNELL UNIVERSITY
Bridge Element Deterioration, $20,000
NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
Nondestructive Evaluation and Development of Asset Management System for New York City’s Pumping Stations and Force Mains, $500,000
RESEARCH FOUNDATION/SUNY
Integrated Research and Education on Engineering Effects of Earthquakes and Technologies for Seismic Protection, $88,538

AHEARN, SEAN — HUNTER COLLEGE
LINKS POINT, INC.
The West Nile Virus Project: Chicago Analysis, $25,000
NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
Program Management Quality Assurance Services for Sewer Facilities Conversion Project, $949,974
NYC DEPARTMENT OF INFORMATION TECHNOLOGY & TELECOMMUNICATIONS
Maintenance of the New York City Base-Map, GIS Application Development and Training, $904,421

AIZIN, GREGORY — KINGSBOROUGH C. C.
U.S. ARMY
High Performance Terahertz Detectors Based on Grating Gated Double-Quantum-Well Field Transistors, $88,556

AKINMOLADUN, ANDREW — BRONX C. C.
CLARKSON UNIVERSITY
Biomedical 2 + 2 Transfer Program, $10,000

AKINMOLADUN, ANDREW/ABDELLATIF, NASSER — BRONX C. C.
NYS EDUCATION DEPARTMENT
Collegiate Science and Technology Entry Program (CSTEP), $80,750

AKINS, DANIEL — CITY COLLEGE
COLUMBIA UNIVERSITY
Columbia Center for Electronic Transport in Molecular Nanostructures, $135,000
NATIONAL SCIENCE FOUNDATION
IGERT: Nanoscale Materials and Devices, $155,520
U.S. ARMY
Molecular Nanomaterials For Device Applications, $180,000

ALBORN, TIMOTHY — LEHMAN COLLEGE
AMERICAN COUNCIL OF LEARNED SOCIETIES
Charles A. Ryskamp Research Fellowship: Regulated Lives: Insurance and British Society, 1820–1920, $60,000

ALCABES, PHILIP — HUNTER COLLEGE
ASTRAZENECA LP
Development of Gerd Project, $4,000

ALEXANDRATOS, SPIRO — HUNTER COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Editor Account, $2,445
PALL CORPORATION
PG RESEARCH FOUNDATION, INC.
Design and Development of Polymer-Supported Reagents for the Selective Removal of Methyl Tertiary Butyl Ether from Groundwater, $62,000
U.S. DEPARTMENT OF ENERGY
Immobilized Ligand-Modified Scaffolds: Design, Synthesis and Ionic Recognition, $115,000

ALFANO, ROBERT — CITY COLLEGE
CORNING, INC.
The Photonics CAT at CUNY, $10,000
GREATER SYRACUSE CHAMBER OF COMMERCE, INC.
Space Alliance Technology Outreach Program, $27,300
INFOTONICS TECHNOLOGY CENTER
The Compact Photonic Explorer, $635,568
MEDIPHOTONICS DEVELOPMENT COMPANY, LLC
Development of GYN CD-Ratiometer, $240,310
NASA
University Research Center for Optical Sensing and Imaging of the Earth and Environment, $1,050,000
NORTHROP GRUMMAN
Chemical/Biological Sensor Development, $10,000
PRIVATE ORGANIZATIONS
Designing Buildings Testing a Prototype, $32,367
QUANTRONIX
High Power Near Infrared Thin Disk Yb and Cr4+ Based Lasers, $100,000
U.S. ARMY
DOD Center for Nanoscale Photonic Emitters and Sensors for Military, Medical, and Commercial Applications, $760,000
Time—Resolved and Spectroscopic Three Dimensional Optical Breast Tomography, $501,046

ALFANO, ROBERT/ISAACS, LESLIE — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
Nonradiative and Radiative Processes of Doped Nanocrystallites in Porous Glasses, $69,985

ALTHAM, WILLIAM — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School (CCAMPIS), $38,169
ALTMAN, STAN — BARUCH COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
High School Leadership Development Project, $60,000
Schoolhouse Foundation Project, $50,000

AMBRON, JOANNA — QUEENSBOROUGH C. C.
RESEARCH FOUNDATION/STONY BROOK
Bio PREP — Biology Partnership in Research and Education, $19,194

ANDERSON, PAULA — QUEENS COLLEGE
U.S. DEPARTMENT OF EDUCATION
Queens College Upward Bound Program, $562,958

ANDREOPoulos, Yiannis — CITY COLLEGE
U.S. ARMY
New Concepts of Micro Actuators for Flight Control Systems, $429,701

ANGULO, JESUS — HUNTER COLLEGE
NIH-NATIONAL CENTER FOR RESEARCH RESOURCES (NCRR)
Confocal Microscope System, $247,384

ANTHONY-TOBIAS, SANDYE — OFFICE OF VC — STUDENT DEVELOPMENT & ENROLLMENT
NYS OFFICE OF CHILDREN AND FAMILY SERVICES
Child Care Development Block Grant, $1,869,364

APTER, ARTHUR — BARUCH COLLEGE
NATIONAL SCIENCE FOUNDATION
Mid-Atlantic Mathematical Logic Seminar (MAMLS), $32,666

ARCARIO, PAUL/EYNON, BRET — LAGUARDIA C. C.
U.S. DEPARTMENT OF EDUCATION
Strengthening Hispanic-Serving Institutions, $624,552

ARNASON, SIA — HUNTER COLLEGE
UTAH STATE UNIVERSITY
Grandparent Caregiver Law Center, Brookdale Center on Aging at Hunter College, $1,500

ARTZT, ALICE — QUEENS COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Fund for Realizing Education Excellence (FREE), $82,025
Time 2000, $106,503

ASHER, CARLA/MICHELLi, NICHOLAS — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
NYS EDUCATION DEPARTMENT
Teacher Opportunity Program, $232,402

ASSER, STUART/CORRADETTI, ARTHUR — QUEENSBOROUGH C. C. HUDSON VALLEY
Verizon Next Step Program, $19,699

BANDOSZ, TERESA — CITY COLLEGE
GATEWAY CONSULTING, INC.
Testing of Activated Carbons as Hydrogen Sulfide Adsorbents from Air, $16,000

BANERJEE, PROBAL — COLLEGE OF STATEN ISLAND
NEW YORK UNIVERSITY
Depression, 5-HT1A Receptor & Neuroplasticity, $50,000

BANERJEE, PROBAL/JAYMAN, FARAH — COLLEGE OF STATEN ISLAND
NIH-OFFICE OF THE DIRECTOR (NCI)
Regulation of ATPase II and Clearance of Cancer Cells, $208,172

BARBA, JOSEPH — CITY COLLEGE
NASA
Advancing Minorities in Science and Engineering Education, $157,608

BARGONETTI, JILL — HUNTER COLLEGE
NATIONAL SCIENCE FOUNDATION
Growth Control Regulated by P53 and MDM2, $80,000

BARR, GORDON — HUNTER COLLEGE
NIH-NATIONAL CENTER FOR RESEARCH RESOURCES (NCRR)
Improved Animal Resource Facility at Hunter College, $624,806
NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)
Neurobehavioral Studies of Opiate Drugs in Development, $122,472
VARIOUS PRIVATE SOURCES
Current Issues in Developmental Psychobiology, $6,284

BARR, GORDON/LUINE, VICTORIA — HUNTER COLLEGE
NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)
MIDARP at Hunter College, $6,044

BARR, GORDON/MCPHIE, ANIKA — HUNTER COLLEGE
NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)
Protein Kinases and Morphine Exposure in Young Rats, $20,412

BASU, MITRA — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
Intergovernmental Personnel Act (IPA), $251,400

BATES, MADELAINE — BRONX C. C.
NATIONAL SCIENCE FOUNDATION
Computer Science, Mathematics, Engineering and Engineering Technology Scholarship Program, $399,828

BATTAGLIA, FORTUNATO — CITY COLLEGE
ALZHEIMER’S DISEASE RESEARCH
Calpain Inhibitors, a Treatment for Alzheimer’s Disease, $96,221

BATTLE, JUAN — GRADUATE SCHOOL
FORD FOUNDATION
Civil Society’s Field Area Study on Social Justice Philanthropy, $300,000
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BOTMAN, SELMA/SMALL, GILLIAN/MACARI, EMMA — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
NASA
Programming /Pre-Schematic Design Phase for Construction of a New Facility for the City University of New York (CUNY) in Harlem, $1,782,000

BOTMAN, SELMA/TSEGAYE, MAHLET — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
NEW YORK COMMUNITY TRUST
Study/Travel Opportunities for CUNY Students (STOCS) Project for 2005/2006, $130,000

BOWKER, AL — GRADUATE SCHOOL
WALLACE FOUNDATION
Mathematics Scholarships Program, $50,000

BRAININ, SEMA — HUNTER COLLEGE
NYC DEPARTMENT OF EDUCATION
District 4 Collaboration, $15,000
Teaching American History, $22,500

BRAUN, CHRISTOPHER — HUNTER COLLEGE
NIH-NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)
Scene Analysis and Cross-Modal Interactions, $76,000

BRAZILL, DERRICK — HUNTER COLLEGE
NATIONAL SCIENCE FOUNDATION
CAREER: Signal Transduction of Eukaryotic Quorum Sensing, $125,000

BRIER, STEPHEN/BAUER-MAGLIN, NAN — GRADUATE SCHOOL
COLLEGE FUND (CUNY MISCELLANEOUS)
CUNY Bachelor of Arts/Bachelor of Science Program, $33,466

BRIER, STEPHEN/RIVERA, ROSA — GRADUATE SCHOOL
VARIOUS PRIVATE SOURCES
Streaming Culture Graduate Students, $37,500

BRODERICK, PATRICIA — CITY COLLEGE
CODMAN AND SHURTLEFF, INC.
Feasibility Investigation of Broderick Probe Microelectrode, $3,000
MACKENZIE FOUNDATION
The Study of Brain Mechanisms in Neurodegenerative Diseases, $1,000

BROSTEK, JOSEPH — QUEENS COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Special Events, $14,228

BROTHERTON, DAVID — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
JEHT FOUNDATION (JUSTICE, EQUALITY, HUMAN DIGNITY, AND TOLERANCE)
Criminal Justice & Reportation: The Invisible Crisis, $43,440

BROWN, FREDDA — QUEENS COLLEGE
SYRACUSE UNIVERSITY
New York Higher Education Support Center for Systems Change, $6,832

BROWN, HEATHER — LAGUARDIA C. C.
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $108,976

BROWN, JOSHUA — GRADUATE SCHOOL
VARIOUS PRIVATE SOURCES
Funded Activities, $352,795

BROWN, MARK — CITY COLLEGE
U.S. DEPARTMENT OF DEFENSE
Problem Solving in Probability and Statistics, $95,001

BROWN, STACY — BROOKLYN COLLEGE
U.S. DEPARTMENT OF EDUCATION
Educational Talent Search Program, $324,417

BROWN, TED — GRADUATE SCHOOL
UMBANET, INC.
Umbanet and ATP, $13,734
NEW YORK SOFTWARE EDUCATIONAL FOUNDATION
Curriculum Development: Intermediate & Advanced Courses, $707,450
NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Comprehensive Metadata and Data Quality Assessment Project, $40,000

BROWN, TED/MOGULESCU, JOHN — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
NEW YORK INSTITUTE OF ADVANCED STUDIES
Faculty Research Projects, $70,000

BROWN, TED/SMALL, GILLIAN — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
NATIONAL SCIENCE FOUNDATION
Software Partnerships in NYC: Identifying and Developing New Ideas, $296,208

BROWN, TED/STROZAK, VICTOR — GRADUATE SCHOOL
NATIONAL SCIENCE FOUNDATION
The AP Fellows Program: Enhancing Low-Income Urban Students’ Participation and Achievement in Advanced Placement Courses, $499,606

BRUMBERG, STEPHAN — BROOKLYN COLLEGE
LUCIUS N. LITTAUER FOUNDATION
Common Schools, Uncommon Faiths: Religious Conflict and the Shaping of American Education, $18,500

BRYANT, GREGORY — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
NYS EDUCATION DEPARTMENT
Academic and Supportive Services, $163,457

BUCKLEY, ROBERT — HUNTER COLLEGE
NYC DEPARTMENT OF EDUCATION
Scholarship Program at Hunter College, $4,790
BUCKLEY, ROBERT/MASINI, DONNA — HUNTER COLLEGE
U.S. DEPARTMENT OF EDUCATION
Jacob Javits Fellowship, $41,511

BUFFENSTEIN, ROCHELLE — CITY COLLEGE
NIH-NATIONAL INSTITUTE ON AGING (NIA)
Mechanisms of Aging in the Long-Lived Naked Mole-Rat, $285,803

BUSBY, ALAN/WALLMAN, JOSHUA — CITY COLLEGE
NIH-NATIONAL EYE INSTITUTE (NEI)
The Role of Visual Stimuli in Emmetropization and Myopia (Clinical Investigator Award: For Promising Medical Students or Faculty Members to Pursue Research Aspects of Areas Applicable to the Unit and Aid in Filling the Gap in These Shortage Areas), $134,782

CADIEU, FRED — QUEENS COLLEGE
NASA
Simulation and Deposition of Magnetic Films for Use in Miniature Spectrometer Application, $15,000

CALL, DIANE/KOTKIN, LAURA — QUEENSBOROUGH C. C. COLLEGE FUND (CUNY MISCELLANEOUS)
Coordinator of the Port of Entry Program, $297,858

QUEENSBOROUGH COMMUNITY COLLEGE
Support of a Director and Secretary for the Queensborough Community College Art Gallery, $4,323

CANATE, HUMBERTO/GILDESGAME, DANIEL — HOSTOS C. C.
NYS EDUCATION DEPARTMENT
STEP/Proyecto Access, $70,438

CAPUANO, LORETTA — LAGUARDIA C. C.
NYS EDUCATION DEPARTMENT
VATEA: Creation of a Professional Development Center: Assessment, Technology and Leadership Development, $1,398,280

CARAVANOS, JACK — HUNTER COLLEGE
MOUNT SINAI HOSPITAL
Educational Program in Occupational Safety and Health, $186,262
Hazardous Substance Academic Training, $123,889
NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Lead Risk Identification Training, $5,000

CARLIN, MARIANNE — COLLEGE OF STATEN ISLAND
NYS EDUCATION DEPARTMENT
Advisement and Mentoring for AAS Students in Business, Computer Science and Nursing, $315,640

CARREIRO, JOEL — HUNTER COLLEGE
U.S. DEPARTMENT OF EDUCATION
Jacob Javits Fellowship, $41,511

CARREIRO, JOEL/MAC DONALD, JENNIFER — HUNTER COLLEGE
U.S. DEPARTMENT OF EDUCATION
Jacob Javits Fellowship, $41,511

CARTER, HAZEL/CATON, MARCIA — LAGUARDIA C. C.
U.S. DEPARTMENT OF EDUCATION
Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP), $1,519,988

CARTON, RON — LEHMAN COLLEGE
NATIONAL COLLEGIATE ATHLETIC ASSOCIATION
National Youth Sports Program, $74,528
NYS EDUCATION DEPARTMENT
Summer Food Service Program, $22,142

CATAPANE, EDWARD — MEDGAR EVERS COLLEGE
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Medgar Evers/Kingsborough Bridge Program, $213,572
NYS EDUCATION DEPARTMENT
Biology Collegiate Science and Technology Entry Program (CSTEP), $74,300

CATAPANE, EDWARD/CARROLL, MARGARET — MEDGAR EVERS COLLEGE
NATIONAL SCIENCE FOUNDATION
Acquisition of Biology Instruments for Medgar Evers College, $164,204

CATSAMBIS, SOPHIA — QUEENS COLLEGE
UNIVERSITY OF SOUTH CAROLINA
Mapping Tracking in the Elementary Grades, $60,160

CHAPPELL, RICHARD — HUNTER COLLEGE
FIGHT FOR SIGHT
Retinal Zinc and Its Removal In Vision and Disease, $4,000

CHARLOP, VIVIAN — QUEENS COLLEGE
NYS EDUCATION DEPARTMENT
VATEA: Creation of a Professional Development Center: Assessment, Technology and Leadership Development, $1,398,280

CHENG, SHEYING — COLLEGE OF STATEN ISLAND
SHENZHEN ASSOCIATION
Public Policy and Development Strategy: An International Comparative Study, $5,655

CHENG, YING-CHIH/ALFANO, ROBERT — HUNTER COLLEGE
SPECTRONIX SYSTEMS INC.
CAT Matching: Fourier Transform Spectrometer Project, $20,000

CHERRY, ROBERT — BROOKLYN COLLEGE
ANNIE E. CASEY FOUNDATION
The New Welfare Crisis: Can Nickel and Dime Jobs Save Vulnerable Women?, $14,700
YAD VASHEM
Polish-Jewish Relations, $22,000

CHIACCHERE, LOUIS — OFFICE OF VC — BUDGET & FINANCE COLLEGE FUND (CUNY MISCELLANEOUS)
Audit, $3,996

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CHIN, GEORGE — OFFICE OF VC — STUDENT DEVELOPMENT & ENROLLMENT
COLLEGE FUND (CUNY MISCELLANEOUS)
Job Location and Development Program: UAPC, $66,867

CHIN, GEORGE/AMY, LYDIA — OFFICE OF VC — STUDENT DEVELOPMENT & ENROLLMENT
COLLEGE FUND (CUNY MISCELLANEOUS)
CUNY Financial Aid Conference, $9,720

CHIN, MARGARET MAY — HUNTER COLLEGE
RUSSELL SAGE FOUNDATION
Chinatown-When Work Disappears, $5,000
WOODROW WILSON NATIONAL FELLOWSHIP FOUNDATION
Career Enhancement Award, $15,000

CHUDNOVSKY, EUGENE — LEHMAN COLLEGE
U.S. DEPARTMENT OF ENERGY
Dynamics of the Magnetic Flux in Superconductors, $50,000

CIACCIO, LEONARD/SANDERS, JAMES — COLLEGE OF STATEN ISLAND
NYS EDUCATION DEPARTMENT
Discovery CSTEP, $74,300
Discovery Institute, $111,297
Project Discovery, $184,280
U.S. DEPARTMENT OF EDUCATION
Highly Qualified Teachers for Elementary Classrooms, $597,840
The Discovery Approach to New Teacher Retention, $187,901
Transition of Teaching Program: Local, $398,288

CINTRON-NABI, DORIS — CITY COLLEGE
U.S. DEPARTMENT OF EDUCATION
Bilingual Teacher Internship Program: A Career Ladder Initiative for Bilingual Paraprofessionals in NYC Public Schools, $250,000
Teachers for Speakers of Other Languages Development Project, $288,846

CLAYMAN, DEREK/FAIREY, EMILY — GRADUATE SCHOOL
NATIONAL ENDOWMENT FOR THE HUMANITIES
Database of Classical Bibliography, $215,854
VARIOUS PRIVATE SOURCES
Database of Classical Bibliography, $14,000

CLEAR, TODD — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
ANNE E. CASEY FOUNDATION
To Conduct a Study of How Concentrated Patterns of Incarceration in Poor Neighborhoods Affect Levels of Serious Juvenile Crime, $34,650
OPEN SOCIETY
Changing Public Perception of Incarceration Policy by Documenting and Publicizing Its Impact on Communities, $50,000

COGSWELL, MICHAEL — QUEENS COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Louis Armstrong House, $217,340

COHEN, ANN — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
CORPORATION FOR NATIONAL SERVICE
New York City Teaching Fellows Program-Americorps Education Awards Program, $800,000
STARR FOUNDATION
Teaching Opportunity Program (TOP), $150,000

COHEN, BRIAN — OFFICE OF VC — FACILITIES PLANNING/CONSTRUCTION & MANAGEMENT
NYS DORMITORY AUTHORITY
Operational Director for the Enterprise Resource Planning Program, $115,883
APPLE COMPUTER, INC.
Support for Creation and Dissemination of Technology and Educationally Based Media Involving Campus Technology Systems Involving CUNY-Wide Administrative Support, $153,015
COLLEGE FUND (CUNY MISCELLANEOUS)
MCI Commission: The Creation and Dissemination of Technology and Educationally Based Media Involving Campus Technology Systems Involving CUNY-Wide Administrative Support, $143,337

COHEN, BRIAN/STEPHENS, ROBIN — UNIVERSITY CHIEF INFORMATION OFFICER
VARIOUS PRIVATE SOURCES
The Vice Chancellor Office for Budget, Finance, and Information Systems Purchase of Computer Time, $13,703

COHEN, LEON — HUNTER COLLEGE
U.S. AIR FORCE
Signal and Image Processing in Different Representations, $48,293
U.S. DOD-NATIONAL SECURITY AGENCY
Time-Frequency/Scale Signal Analysis, $274,068

COHEN, SHIRLEY — HUNTER COLLEGE
FUND FOR SOCIAL CHANGE/FAR FUND
A Center for The Preparation of Educational Personnel to Work with Children Who Have Autism Spectrum Disorders, $15,000

COLAROSSI, ANTHONY — KINGSBOROUGH C. C.
U.S. DEPARTMENT OF EDUCATION
Student Support Services, $223,274

COLON-PAPA, ZULLY — HUNTER COLLEGE
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $133,544

COMMONER, BARRY/MARKOWITZ, STEVEN — QUEENS COLLEGE
PHILANTHROPIC COLLABORATIVE, INC.
Genetic Engineering, $140,000

COOLEY, LAUREL — BROOKLYN COLLEGE
NATIONAL SCIENCE FOUNDATION
The Linear Algebra Project, $74,999
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<th>Organization</th>
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<td>RUTGERS UNIVERSITY</td>
<td>Mathematics in America's Cities: Children, Teachers, and Communities</td>
<td>$437,591</td>
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<td>HUNTER COLLEGE                   CDC-AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY (ATSDR)</td>
<td>$100,000</td>
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<td>CORDERO-GUZMAN, HECTOR</td>
<td>BARUCH COLLEGE                   Latino Entrepreneurship in the US: Examining Trends by National Origin and Region in an Era of Rapid Demographic Growth</td>
<td>$15,537</td>
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<td>KINGSBOROUGH C. C.               Kingsborough Community College Association</td>
<td>$459,386</td>
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<td>BARUCH COLLEGE                   New Leaders Executive Program</td>
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<td>CITY COLLEGE                     U.S. ARMY Materials and Devices Research and Educational Infrastructure Enhancement</td>
<td>$197,134</td>
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<td>CROZIER, MICHELLE</td>
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<td>$33,000</td>
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<td>Shifting the Paradigm on Teaching and Learning to Improve Student Success</td>
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<td>Literacy Through the Arts for Latino Children, Their Teachers and Parents</td>
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<td>Awareness, Analysis &amp; Action: A Critical Research Seminar for Latina/o Students and Parents</td>
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<td>Becoming Excellent Students in Transition to Nursing (BEST)</td>
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<td>US Specific and General Processes in Pavlovian Learning</td>
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<td>IGERT: Reinvigoration and Reorientation of New York Consortium in Evolutionary Primatology (NYCEP)</td>
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<td>DDI-Cranial Variation in Homo Erectus</td>
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<td>Bragg Multiple Quantum Wells: Tunable Cavities for Optoelectronic Application</td>
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<td>Meeting the Performance Challenge of Low Wage Workers Who Need to Perform at a High Wage Standard; Engineering Aggressive Learning Interventions into Work</td>
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<td>Infrared Microspectroscopy for Cervical Cancer Screening</td>
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<td>International Conference: Shedding Light on Disease Corporate Sponsors</td>
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<td>Provide Detailed Instruction, Laboratory Demonstration and Skills Training, Archive Services to DEP Employees on Water Plant Operator Training Program</td>
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<td>New York City Reusable Solid Waste Materials Exchange Matching Project</td>
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DOMINGO, JANETTE — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Designated Programs—African American Studies, $7,000
U.S. DEPARTMENT OF EDUCATION
Ronald E. McNair Postbaccalaureate Achievement Project, $255,473

DONOVAN, RICHARD/SCHAIER-PELEG, BARBARA — BRONX C. C.
COUNCIL FOR ADULT AND EXPERIENTIAL LEARNING (CAEL)
South Africa Study, $7,010
INSTITUTE OF INTERNATIONAL EDUCATION
Visit Additional FET-HE Linkage sites, $9,910

DORSINVILLE, ROGER — CITY COLLEGE
CORNING, INC.
Nonlinear Optical Characterization of Nanoscale Functionalized Carbon Nanotubes Composites, $20,000

DOTTIN, ROBERT — HUNTER COLLEGE
BROWN UNIVERSITY
Leadership Alliance, $16,000
SIGMA XI, THE RESEARCH SOCIETY, INC.
National Web Site for Minority Scientists, $95,839
VARIABLE PRIVATE SOURCES
Confocal/Bio Imaging, $8,000

DOWNING, ARTHUR/BIDDLE, STANTON F. — BARUCH COLLEGE
NYS EDUCATION DEPARTMENT
State Grant for Library Collection Development, $16,593

DRAIN, CHARLES MICHAEL/GOLDBERG, ISRAEL — HUNTER COLLEGE
U.S. - ISRAEL BINATIONAL SCIENCE FOUNDATION
Supramolecular Assembly of Large Multiporphyrin Arrays Towards New Functional Structures and Materials, $4,281

DUBETZ, NANCY/ROTHSTEIN, ANNE — LEHMAN COLLEGE
U.S. DEPARTMENT OF EDUCATION
Para-Educator: Transition to Teaching, $160,254

DUDA, DESIREE — LAGUARDIA C. C.
ROCHESTER INSTITUTE OF TECHNOLOGY
Post-Secondary Education Programs for Individuals Who Are Deaf, $87,934

EDGER, ANNE/SHAW, PENNY — HUNTER COLLEGE
NEW YORK EASTER SEAL SOCIETY
Project Happy 2004-2005, $54,000

EGBE, EMMANUEL — MEGDAR EVERS COLLEGE
NYC DEPARTMENT OF TRANSPORTATION
Transportation and Job Access for Low Income and Public Assistance Users, $49,503

EISMAN, LAWRENCE — QUEENS COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Queens College Department Services Fund: Music, $191,317

EL-TABAKH, MOHAMED — QUEENS COLLEGE
UNION OIL COMPANY OF CALIFORNIA
Lacustrine Sediments from the Tertiary Supradetachment Basin and Range Province of Western North America, $6,360

ELLIO, JOHN/LILIEN, STEVEN — BARUCH COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Conference Coordinator, $23,602

ENGEL, ROBERT — QUEENS COLLEGE
STREM CHEMICALS, INC.
Ionic Liquid Analysis, $225

ENGELBERG, DON — QUEENSBOROUGH C. C.
NYS EDUCATION DEPARTMENT
Perkins III Non-Competitive Formula Funding, $744,380

EPSTEIN, CYNTHIA/SAUTE, ROBERT — GRADUATE SCHOOL
VARIABLE PRIVATE SOURCES
Public Interest Law Project, $47,557

EPSTEIN, SUSAN — HUNTER COLLEGE
NATIONAL SCIENCE FOUNDATION
Integrating Planning and Search Methods to Solve Constraint Problems, $6,000

ERICKSON, KENNETH/MARKOVITZ, IRVING — GRADUATE SCHOOL
VARIABLE PRIVATE SOURCES
Journal of Comparative Politics, $91,560

ERWIN, ELIZABETH — QUEENS COLLEGE
SYRACUSE UNIVERSITY

ESKICIIOGLU, AHMET — BROOKLYN COLLEGE
NATIONAL SCIENCE FOUNDATION
Collaborative Research: A Virtual Laboratory for Information Assurance Education and Research, $29,499
U.S. AIR FORCE
Quality Measures Using Singular Value Decomposition, $25,000

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<th>Name</th>
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<td>Lehman College Association, $409,980</td>
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<td>INTER AMERICAN UNIVERSITY OF PUERTO RICO, INC. Hispanic Educational Telecommunication System, $21,295</td>
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<td>FISHER, HILRY/NEWELL, JAMES</td>
<td>GRADUATE SCHOOL</td>
<td>U.S. DEPARTMENT OF EDUCATION Jacob Javits Fellowship, $32,875</td>
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<td>FLANAGAN, MARY</td>
<td>HUNTER COLLEGE</td>
<td>NEW YORK UNIVERSITY Rapunzel Project, $50,753</td>
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<td>FLATEAU, JOHN/SIMMONS, ESMERALDA</td>
<td>MEDGAR EVERS COLLEGE</td>
<td>MEC MBE/WBE Disparity Study, $86,000</td>
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<td>FLETCHER, DAVID</td>
<td>LEHMAN COLLEGE</td>
<td>U.S. DEPARTMENT OF EDUCATION School for Community Research and Learning, $44,300 PIUS XII School for Community Research and Learning and Lehman College, $15,000</td>
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<td>FLUGMAN, BERT</td>
<td>GRADUATE SCHOOL</td>
<td>LITERACY TRUST Reading Rescue Program Evaluation, $90,000</td>
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<td>FIELDS, DAVE</td>
<td>CUNY LAW SCHOOL AT QUEENS COLLEGE</td>
<td>VARIOUS PRIVATE SOURCES CUNY Law School, $75,000</td>
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<td>FIELDS, DAVE/WILLIAMS, WILLIAM</td>
<td>CUNY LAW SCHOOL AT QUEENS COLLEGE</td>
<td>COLLEGE FUND (CUNY MISCELLANEOUS) Child Care, $138,000</td>
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<td>FILBIN, MARIE</td>
<td>HUNTER COLLEGE</td>
<td>BIOGEN IDEC INC. Collaboration on NOGO Receptor Pathway Biology, $5,000</td>
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<td>JOHN HOPKINS UNIVERSITY Strategies to Encourage Grafted ES-derived Motor Neurons to Regenerate in Vivo, $89,837</td>
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<td>NATIONAL MULTIPLE SCLEROSIS SOCIETY Blocking the Inhibition of Axonal Regeneration by MAG/Myelin (Myelin Associated Glycoprotein), $150,348</td>
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<td>NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE (NINDS) Role of Myelin in Spinal Cord Regeneration, $493,419 Specialized Neuroscience Research Program (SNRP) at Hunter College, $1,530,593</td>
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<td>NYS DEPARTMENT OF HEALTH Overcoming Myelin Inhibitors To Promote Regeneration In Vivo, $398,320 WINIFRED MASTERSON BURKE MEDICAL RESEARCH INSTITUTE New York State SCI Research Program—Drug Screen/ Glial Inhibitors, $210,000</td>
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<tr>
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<td>WINIFRED MASTERSON BURKE MEDICAL RESEARCH INSTITUTE New York State SCI Research Program—Drug Screen/ Glial Inhibitors, $210,000</td>
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**Awards**
FLUGMAN, BERT/HECHT, DEBORAH — GRADUATE SCHOOL
HOFSTRA UNIVERSITY
Mathematics Across MST Curriculum, $263,764

FONT, MAURICIO — GRADUATE SCHOOL
VARIOUS PRIVATE SOURCES
Bildner Center, $47,955

FORMAN, SUSAN — BRONX C. C.
CONSORTIUM FOR MATHEMATICS AND ITS APPLICATIONS
WorkMap, $28,406

FOSNOT, CATHERINE/CAMERON, ANTONIA — CITY COLLEGE
VARIOUS PRIVATE SOURCES
Mathematics in the City: Mathematics Education at CCNY, $38,395

FOSNOT, CATHERINE/HERSCH, SHERRIN — CITY COLLEGE
NYC DEPARTMENT OF EDUCATION
Mathematics in the City: Professional Development Workshops to Reform Math Education of Teachers in Manhattan, $233,315

FOSNOT, CATHERINE/ZOLKOWER, BETINA/HERSCH, SHERRIN — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
Mathematics in the City, $269,993

FOSTER, DAVID — HUNTER COLLEGE
NIH-OFFICE OF THE DIRECTOR (NCI)
Mitogenic Signaling Through RAL A and Phospholipase D, $367,003

VARIOUS PRIVATE SOURCES
Research Support, $1,150

FOSTER, GREGORY — HUNTER COLLEGE
RESEARCH CORPORATION
Spin Squeezing and Entanglement of Cold Atoms for Applications in Precision Measurements and Quantum Information, $15,572

FRANCESCONI, LYNN — HUNTER COLLEGE
NATIONAL SCIENCE FOUNDATION
Speciation of Lanthanide Polyoxometalates, $145,000

FRANCK, RICHARD — HUNTER COLLEGE
IRENE DIAMOND FOUNDATION
Collaborative Research, $59,895

FRANCK, RICHARD/SOLL, CLIFF — HUNTER COLLEGE
VARIOUS PRIVATE SOURCES
Mass Spectrometer, $360

FREDERICKSON, KEVILLE — LEHMAN COLLEGE
COLUMBIA UNIVERSITY
Care Preferences and Life Priorities of People with AIDS Near Death, $61,165

FREUDENBERG, NICHOLAS — HUNTER COLLEGE
AMERICAN LEGACY FOUNDATION
Framing Public Health Campaign, $97,820

FORTUNE SOCIETY
Developing Leadership to Reduce Substance Abuse, $297

NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Transdisciplinary Research on Urban Health Collaborative, $117,020

UNION HEALTH CENTER
Program Development and Evaluation: Nutrition Program for Low Wage Immigrant Garment Workers, $17,008

FREUDENBERG, NICHOLAS/KRAUSS, BEATRICE — HUNTER COLLEGE
NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)
Impact/HIV Intervention: Adolescent Males Leaving Jail, $667,651

FRIEDLANDER, JUDITH/HENDERSON, ANN — HUNTER COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Program Support, $10,850

FRIEDMAN, EITAN — CITY COLLEGE
NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)
MIDARP at CCNY, $438,857

FRITTON, SUSANNAH — CITY COLLEGE
WHITAKER FOUNDATION
Delineating the Pathways of Bone Interstitial Fluid Flow, $83,731

FU, BINGMEI — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
Understanding Acute Microvessel Hyperpermeability, $294,835

GAO, PATRICK — YORK COLLEGE
U.S. DEPARTMENT OF EDUCATION
Student Support Services Program, $348,115
York Enrichment Services for Students with Disabilities, $260,181

GARCIA, LISETTE/PENROD, STEVEN — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
NATIONAL SCIENCE FOUNDATION
Eyewitness Guessing and Accuracy: Subjective Experience and Objective Determinants, $212,836

GAWKINS, ANNE — NYC COLLEGE OF TECHNOLOGY
NYS EDUCATION DEPARTMENT
Tech-Prep Perkins III, $190,000

GAYEN, SWAPAN — CITY COLLEGE
U.S. NAVY
Time-Resolved Optical Polarization, $133,929

GELEER, MICHAEL/SIEGELMAN, PEARL — KINGSBOROUGH C. C.
NYC CITY COUNCIL
Alcohol and Substance Abuse Prevention: Kingsborough’s Positive Alternative to Substance Abuse, $250,000
**GENACK, AZRIEL — QUEENS COLLEGE**  
NATIONAL SCIENCE FOUNDATION  
Statistics of Electromagnetic Propagation and Localization, $110,000

**GERBER, JANE — GRADUATE SCHOOL**  
VARIOUS PRIVATE SOURCES  
Center for Jewish Studies, $1,500  
Summer Teacher Training Institute in Sephardic Studies, $13,310

**GERRY, CHRISTOPHER — LEHMAN COLLEGE**  
U.S. ARMY  
Modern Physics Laboratory Upgrade, $87,375

**GERSTEN, BONNIE — QUEENS COLLEGE**  
NYS OFFICE OF SCIENCE, TECHNOLOGY, AND ACADEMIC RESEARCH  
James D. Watson Investigator Program, $180,000  
U.S. ARMY  
Enhanced Catalysis for the Synthesis of Boron Carbide Nano-Sized Powders by Chemical Vapor Deposition for Armor Applications, $90,000

**GERSTLE, DONNA — COLLEGE OF STATEN ISLAND**  
NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
Staten Island Water Education Program, $25,000  
NYS EDUCATION DEPARTMENT  
Staten Island Air Pollution & Respiratory Disease Study, $10,000

**GERWIN, DAVID — QUEENS COLLEGE**  
NYC DEPARTMENT OF EDUCATION  
Enlivening American History through Primary Sources, $34,680

**GEWIRTZMAN, LIZ/WEIKART, LYNNE/SCHARFF, HELEN/CHEN, GREGG — BARUCH COLLEGE**  
CARNegie CORPORATION  
High School Leadership Development Project—Phase II, $390,000

**GHOSE, RANAJEET — CITY COLLEGE**  
NATIONAL SCIENCE FOUNDATION  
Career: NMR Insights into the Influence of Dynamics on SH3 Domain Mediated Protein Interactions, $103,796

**GILBERTO, PASQUALE/POTASH, DAVID — HUNTER COLLEGE**  
NYS OFFICE OF ATTORNEY GENERAL  
From Hardship to Help to Hope: Recognizing and Responding to Depression and Anxiety in Grandparent Caregivers, $44,000  
REINGOLD INSTITUTE  
Reingold Endowment Fund, $4,000

**GILBERTO, PASQUALE/DOBROF, ROSE/ANTONATOS, JERRY — HUNTER COLLEGE**  
NEW YORK UNIVERSITY  
Grants for Geriatric Education Centers, $100,500

**GILLESPIE, MICHAEL/COLEMAN, LAUREL — BROOKLYN C. C.**  
AMERICAN PSYCHOANALYTIC ASSOCIATION, INC.  
An Exploration of the Way Beginning Clinicians Understand and Integrate the Differing Recommendations of Relational and Contemporary Freudian, $6,462

**GILTELL, MARILYN — GRADUATE SCHOOL**  
FORD FOUNDATION  
Evaluation of a Five Site Cross-Program Collaboration Which Supports Community Organizing and Social Justice, $300,000  
VARIOUS PRIVATE SOURCES  
Howard Samuels State Management and Policy Center, $18,547

**GLOBBENFELT, JACK — LEHMAN COLLEGE**  
LEHMAN PERFORMING ARTS CENTER  
Performing Arts Center, $132,811

**GOLDBERG, MARK — HUNTER COLLEGE**  
CENTER TO PROTECT WORKERS RIGHTS  
Tools and Programs for Improving Occ Health (TAPS), $45,000

**GOLDFARB, MITCHELL — HUNTER COLLEGE**  
NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE (NINDS)  
Neuronal Functions of FHFS, $379,763
GOMES, HILARY — CITY COLLEGE
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
Attention in Children with Language Impairments, $265,895

GONG, HONGMIAN/NI-MEISTER, WENGE/SOLEcki, WILLIAM — HUNTER COLLEGE
GEORGE MASON UNIVERSITY
Reason Can-NASA EOS Higher Education Alliance: Mobilization of NASA EOS Data and Information Through Web Services and Knowledge Management Technologies for Higher-Education Teaching and Research, $9,910

GONZALEZ, GEORGE/GAMBLE, MAE — HUNTER COLLEGE
NYS EDUCATION DEPARTMENT
Novice Teacher Program, $69,131

GOODMAN, HARRIET — HUNTER COLLEGE
DEPAUL COMMUNITY SERVICES
Social Work Education Consortium Project, $6,200
NYC DEPARTMENT OF CITYWIDE ADMINISTRATIVE SERVICES
Human Services Videoconferencing/Long Distance Learning System Project (Operational), $751,287

GOODMAN, JACOB — CITY COLLEGE
U.S. DOD-NATIONAL SECURITY AGENCY
Problems in Discrete Geometry, $24,826

GOODRICH, CYRENA — KINGSBOROUGH C. C.
NASA
Ureilite Parent Body: Thermal Evolution and Differentiation of a Carbonaceous Chondrite-Like Asteroid, $41,000

GORElick, STEVEN/DEMASTERS, BRIAN/HAREWOOD, AITHEA — GRADUATE SCHOOL
COLLEGE FUND (CUNY MISCELLANEOUS)
Development and Alumni Relations, $13,881

GORNICK, JANET — GRADUATE SCHOOL
ALFRED P. SLOAN FOUNDATION
Support Cross-National Research on Working Time, Economic Well-Being and Public Policy Regarding Employed Parents and Older Workers, $323,158

GOSS, DIXIE — HUNTER COLLEGE
NATIONAL SCIENCE FOUNDATION
Quantitative Analysis of Viral MRNA Translations, $333,075
PRIVATE ORGANIZATIONS
Development of an MRNA Affinity, $493

GOSSER, DAVID — CITY COLLEGE
HOWARD HUGHES MEDICAL INSTITUTE
Undergraduate Science Education Program 2004: To Strengthening Education in the Biological and Related Sciences and Supporting Research by Non-U.S. Scientists, $520,120

GOTTDIENER, WILLIAM — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)
Therapy of Comorbid Substance Use Disorders and PTSD, $84,500

GOTTlieB, MARLENE — LEHMAN COLLEGE
MANHATTAN COLLEGE
外语 exchanges - Lehman, Manhattan & Mt. St. Vincent, $1,183
NEW VISION FOR PUBLIC SCHOOLS
Bronx High School of Music, $73,400

GOTTlieB, PAUL — CITY COLLEGE
BEN-HUR BIOPHOTONICS CONSULTANCY
Preliminary and Final Analysis of Viral Inactivation Samples, $3,093

GRANT, HEATH—JOHN JAY COLLEGE OF CRIMINAL JUSTICE
PRIVATE ORGANIZATIONS
Policy Lab, $2,000

GRASSO, FRANK — BROOKLYN COLLEGE
CLEMSON UNIVERSITY
Soft Robot Manipulators and Manipulation, $200,532

GRAZIANO, ROBERTA/SALMON, ROBERT — HUNTER COLLEGE
AGING IN NEW YORK FUND, INC.
Hunter College Aging & Health Program, $10,000
JAMES N. JARVIE COMMONWEAL
Aging and Health Work Study MSW Program, $25,000

GREEN, MARCIA — YORK COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Staff Account, $124,233

GREENBAUM, STEVEN — HUNTER COLLEGE
AT & T
Implementation of the G-Matrix Fourier Transform (GFT NMR) to the Acquisition and Analysis of n-Dimensional Nuclear Magnetic Resonance Data, $10,000
NATIONAL SCIENCE FOUNDATION
Solid State NMR Studies of Structurally Disordered Lithium Battery Cathodes—Collaborative Research with the Rutgers University I/UCRC Program, $50,000
U.S. AIR FORCE
Solid State NMR Studies of Polymer Nanocomposites, $15,000
U.S. ARMY
Synchrotron Radiation Studies of Fuel Cell Anode Catalysts, $80,000
U.S. NAVY
Spectroscopic Studies of Fuel Cell Membranes and Catalysts, $85,682
WARSAW UNIVERSITY OF TECHNOLOGY
Joint Research Program Between Hunter College and Warsaw University of Technology, $3,144

GREENBAUM, STEVEN/DENBOER, MARTEN — HUNTER COLLEGE
U.S. DEPARTMENT OF ENERGY
Spectroscopic Studies of Lithium Battery Materials, $90,000
GREENBERG, NAOM — LAGUARDIA C. C.
NYS EDUCATION DEPARTMENT
Collegiate Science and Technology Entry Program (CSTEP), $65,084

GREENE, BRENDA — MEDGAR EVERS COLLEGE
NATHAN CUMMINGS FOUNDATION
North Country Institute and Retreat for Writers of Color, $22,125

GRESIK, EDWARD — CITY COLLEGE
NIH-NATIONAL INSTITUTE OF DENTAL RESEARCH (NIDR)
Regulation of Branching Morphogenesis of Salivary Gland, $239,625

GRIGGEOH, NANCY — LEHMAN COLLEGE
NATIONAL SCIENCE FOUNDATION
NeTS-NR: Experimental Research to Investigate Principles of Network Interoperability Testing, $439,238

GRONER, NORMAN — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
U.S. DEPARTMENT OF COMMERCE-NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY
Transfer of Cognitive Engineering Theory and Practice to Building Protection Systems Design, $34,951

GROSS, BARRY — CITY COLLEGE
NASA
Combining Active and Passive Optical Remote Sensing Techniques to Measure Tropospheric Aerosol Profiles, $99,901

GUINLALLAN, LOUIS — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
NYS EDUCATION DEPARTMENT
Post-Secondary Vocational Training, $838,595

GURRNER, MARILYN — CITY COLLEGE
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Hemecu Oxidase: Calculated Electron and Proton Transfers, $228,355

GURLAND, GAIL/PIERAS, GUILLERMO — BROOKLYN COLLEGE
NYC DEPARTMENT OF EDUCATION
Monolingual Speech Language Pathology, $6,210

HABIB, IBRAHIM — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
EIN Collaborative Research: End to End Provisioned Network Tested for eScience Applications, $88,000

HAINLITE, LOUIS — BROOKLYN COLLEGE
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Biomedical Research Training for Minority Honor Students, $279,434
Gatekeepers and Roadblocks: Increasing URM Student Success, $382,781

HAINLITE, KAMAL — LAGUARDIA C. C.
NATIONAL SCIENCE FOUNDATION
LaGuardia CSEMS Scholars, $400,000

HALPERIN, JEFFREY — QUEENS COLLEGE
NIH-NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)
Heterogeneity of ADHD: Predictors of Adolescent Outcome, $398,944
Predictors of ADHD in Preschool Children, $505,114

HAMMONDS, JAMES — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
The Spectral Dependence of Thermal Radiation in Micron Scale Spaces on the Properties of Surface Microstructures, $37,136

HAMMMICH, PENNY/GAUDETTE, HELEN — QUEENS COLLEGE
NYC DEPARTMENT OF EDUCATION
Queens College and Townsend Harris High School Collaboration: The Past, Present, and Future, $264,491

HAMMRICH, PENNY/MYERS, MICHELLE/KIRCH, SUSAN — QUEENS COLLEGE
NATIONAL SCIENCE FOUNDATION
GSE/DIS Sisters in Science Dissemination and Outreach Project, $200,000
Sisters in Science in the Community, $843,340

HANDEL, MICHAEL — LEHMAN COLLEGE
NATIONAL SCIENCE FOUNDATION
Geometric Group Theory and Surface Dynamics, $75,368

HARALICK, ROBERT — GRADUATE SCHOOL
LONG ISLAND JEWISH MEDICAL CENTER
Study on Acute Asthma, $3,610
SIEMENS CORPORATE RESEARCH, INC.
Estimating the 3D Shapes of the Objects, $35,000

HARRIS, WILLIAM C. — MEDGAR EVERS COLLEGE
PARAGON TEC, INC.
Science, Engineering, Mathematics and Aerospace Academy, $192,400

HART, ROGER/ILTUS, SELIM — GRADUATE SCHOOL
COLLEGE FUND (CUNY MISCELLANEOUS)
Children’s Environments Research Grant, $6,750
AWARDS

HAWKINS, EILEEN/YANG, CATHERINE — OFFICE OF VC — FACILITIES PLANNING/CONSTRUCTION & MANAGEMENT
CUNY Construction Fund, $2,254,090

HAYES, THEODORE/SANUDO, MANUAL — QUEENS COLLEGE
Elections, $5,171

HECHT, DEBORAH — GRADUATE SCHOOL
ALBION CENTRAL SCHOOL DISTRICT
Learn to Serve with Character, Moving from Knowledge to Action, $110,658
CITIZENS COMMITTEE FOR NYC, INC.
Young Citizens Center Project, $9,844

HEINRICH, THOMAS — BARUCH COLLEGE
NYC DEPARTMENT OF EDUCATION
Teaching American History, $22,566

HELLMAN, RONALD — GRADUATE SCHOOL
COLLEGE FUND (CUNY MISCELLANEOUS)
The Program on United States/Mexico Relations, $3,900

HEMMING, NICHOLAS GARY — QUEENS COLLEGE
AMERICAN CHEMICAL SOCIETY
A Survey of Trace Element Concentrations in Lacustrine Carbonate Precipitates of the Western Great Basin, USA: Potential Proxies for Paleo-Lake Chemistry, $35,000

HERMAN, GABOR — GRADUATE SCHOOL
NATIONAL SCIENCE FOUNDATION
Aspects of Discrete Tomography, $120,955
NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI)
Image Processing in Biological 3D Electron Microscopy, $312,500

HERNANDEZ, ORLANDO/JOE, LUCINDA — HOSTOS C. C.
NATIONAL ENDOWMENT FOR THE HUMANITIES
Visions of the Americas from Eugenio Maria de Hostos and Jose Marti: 19-Century New York as a Crossroads for Freedom, $106,211

HERNANDEZ, RAMONA — CITY COLLEGE
NYC CITY COUNCIL
Libraries and Archives, $470,000
NYC EDUCATION DEPARTMENT
Documentary Heritage Program, $21,037
Teaching Dominican Studies & Casa Duarte, $100,000

HERSH, BARRY — BARUCH COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Certificate Program Administrative Support, $7,500
NYC DEPARTMENT OF EDUCATION
Brandeis High School Real Estate Academy, $10,000
NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
Brownfield Properties Redevelopment, $3,750

HESTVIK, ARILD — GRADUATE SCHOOL
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
Structural Representation and Sentence Processing in SLI, $76,000

HILL, OTIS/FRANKLIN, HARRY/ANTHONY-TOBIAS, SANDYE — OFFICE OF VC — STUDENT DEVELOPMENT & ENROLLMENT
CUNY STUDENT SENATE
General, $316,427

HILL, OTIS/NORD, ROBERTA — OFFICE OF VC — STUDENT DEVELOPMENT & ENROLLMENT
CUNY STUDENT SENATE
Athletic, $29,960

HILL, OTIS/TING, MARIE — OFFICE OF VC — STUDENT DEVELOPMENT & ENROLLMENT
CUNY STUDENT SENATE
Scholarship, $38,840

HILLS, ROBERT — LAGUARDIA C. C.
U.S. DEPARTMENT OF EDUCATION
Preparation of Special Education, Related Services, and Early Intervention Personnel for Children with Low Incidence Disabilities, $244,900

HILLS, ROBERT/ALLICINO, TONY — LAGUARDIA C. C.
U.S. DEPARTMENT OF EDUCATION
Training Interpreters for Individuals Who Are Deaf and Individuals Who Are Deaf-Blind, $154,556

HODGES, MARIA — HUNTER COLLEGE
NYC DEPARTMENT FOR THE AGING
Kinship Care Task Force, $2,000

HOELTZEL, SUSAN — LEHMAN COLLEGE
GREENTREE FOUNDATION
Artists and Museums in the Classroom, $4,089
LEHMAN ART GALLERY
Lehman College Art Gallery, $105,715

HOFMANN, CHUCK — NYC COLLEGE OF TECHNOLOGY
LADIES COMMITTEE FOR PUERTO RICAN CULTURE
Limited English Proficiency Initiative, $10,983
NYC DEPARTMENT OF TRANSPORTATION
On the Job Training (OJT) Supportive Services for NYSDOT Consultants, $635,426
NYC EDUCATION DEPARTMENT
Support Services for Adult Non-Credit Vocational Programs, $1,287,464

HOGG, LESLEIGH — BRONX C. C.
NYC DEPARTMENT OF EDUCATION
Project Success, $141,132

HOPE, WILBERT/LAKE, ANDRE — MEDGAR EVERS COLLEGE
NYC DEPARTMENT OF EDUCATION
Central Brooklyn Tech-Prep Consortium, $190,000
HOTZLER, RUSSELL — NYC COLLEGE OF TECHNOLOGY
NEW VISION FOR PUBLIC SCHOOLS
New Century High Schools Grant: Williamsburg High School for Architecture and Design, $144,527

HOWARD, CHRISTINE — QUEENS COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Educational Placement, $14,731

HOWARD, MARY — LAGUARDIA C. C.
VARIOUS PRIVATE SOURCES
LaGuardia Business Incubator, $475

HOWARD, MARY/SCHULMAN, JANE — LAGUARDIA C. C.
U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
LaGuardia Community College in New York for Facilities Renovation to House a Small Business Incubator, $149,115

HUBBARD, KAREN — CITY COLLEGE
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
MBRS/SCORE Program at City College of CUNY, $2,314,562
NIH-OFFICE OF THE DIRECTOR (NCI)
CCNY/MSK Cancer Center Partnership, $471,312

HUNT, BENJAMIN — LAGUARDIA C. C.
U.S. DOD-DEFENSE LOGISTICS AGENCY
Procurement Technical Assistance, $122,247

HUSAIN, NAVEED — QUEENS COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
President’s Office, $39,035

IMMERWAHR, STEPHEN/VAN RYZIN, GREGG — BARUCH COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
CAP Rockaways Health Alliance, $17,932
Customer Service Evaluation, $24,000
Queens Student Market Research Survey, $6,000

ISAACSON, ROBERT — GRADUATE SCHOOL
COLLEGE FUND (CUNY MISCELLANEOUS)
CUNY Television, $113,549

JACKSON, CAROL/DANIELS, MICHAEL — COLLEGE OF STATEN ISLAND
NYS EDUCATION DEPARTMENT
Liberty Partnerships Program, $221,057
Special Legislative Project, $10,000

JACOBS, LESTER — U.A.P.C.
NYC DEPARTMENT OF EDUCATION
Student Automated Record-Keeping Systems (SARKS), $1,500,000

JACOBS, NANCY — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
COLLEGE FUND (CUNY MISCELLANEOUS)
The Comparative Impact of Juvenile and Criminal Sanctions for Adolescent Felony Offenders, $65,000

RUDIN FOUNDATION
The Jack and Lewis Rudin Center for Criminal Justice Research Partnerships, $100,000

JACOBSON, LESLIE — BROOKLYN COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Summer Courses Involving Health Programs and Issues on Growing Up Healthy in New York, $39,330

JACOBSON, LESLIE — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
COLLEGE FUND (CUNY MISCELLANEOUS)
The Lessons of History: Using EDSITEment to Teach American Political History, $375,000

JANS, URS — CITY COLLEGE
HERMAN FRASCH FOUNDATION
Abiotic Transformation of Agrochemicals in Wetland Soils and Sediments, $40,000

JENKINS, CANDICE — HUNTER COLLEGE
WOODROW WILSON NATIONAL FELLOWSHIP FOUNDATION
Career Enhancement Award, $15,000

JENSEN, DEBORAH — HUNTER COLLEGE
TARGET STORES
Literacy Space, $2,000

JOB, YURI — CITY COLLEGE
NYS EDUCATION DEPARTMENT
Extended School Day/Violence Prevention Program, $190,000
U.S. DEPARTMENT OF EDUCATION
Upward Bound Program, $302,390

JOHNSON, ANNE — LEHMAN COLLEGE
HERBERT H. LEHMAN COLLEGE FOUNDATION, INC.
Herbert H. Lehman College Foundation, $154,680

JOHNSON, ANNE/PIRRONE, JOSEPHINE — LEHMAN COLLEGE
LEHMAN COLLEGE FOUNDATION
Office of Institutional Advancement, $2,600

JOHNSON, CHRISTINA/MARTI, EDUARDO — QUEENSBOROUGH C. C.
QUEENSBOROUGH COMMUNITY COLLEGE
Administrative Activity, $66,030

JOHNSON, HERBERT/KEEGAN, SINEAD/KORNBERG, JUDITH — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
COLLEGE FUND (CUNY MISCELLANEOUS)
Terrorism Assessment Project, $8,100
JOHNSON, HERBERT/KORNBERG, JUDITH — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
U.S. DEPARTMENT OF JUSTICE
RCPI Community Policing Through the Use of DNA Evidence
Financial Clearance Memo, $250,000

JOHNSON, LAWRENCE — YORK COLLEGE
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
MBRS/SCORE at York College, $402,492

JOHNSON, LEON — MEDGAR EVERS COLLEGE
NASA
New York City Research Initiative (NYCRI), $200,000
New York City Research Initiative (NYCRI) Start-Up, $158,977
The New York City Space Science Research Alliance Phase II, $270,000

JONES, JANIS/JACOBS, STEVEN — BOROUGH OF MANHATTAN C. C.
NYS EDUCATION DEPARTMENT
SUNY Educational Opportunity Center in Manhattan: The MOUS Training Program, $82,179

JONES, WILMA — COLLEGE OF STATEN ISLAND
NYS EDUCATION DEPARTMENT
Coordinated Collection Development Aid, $12,837

JORDAN, PETER — LAGUARDIA C. C.
COLLEGE FUND (CUNY MISCELLANEOUS)
LaGuardia Community College Financial Aid, $1,235

JORGENSON, JAY — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
Analytic Questions Motivated by L Functions, Eisenstein Series, Automorphic Forms, and Trace Formulae, $40,600

JOYNER, WENDELL — BRONX C. C.
NYS EDUCATION DEPARTMENT
Vocational and Applied Technology Education Act (VATEA) Employment Opportunity Center, $74,085

KAHN, ARLENE — LAGUARDIA C. C.
NYS EDUCATION DEPARTMENT
Liberty Partnerships Program, $242,725

KANT, ASHIMA — QUEENS COLLEGE
NIH-DIVISION OF CANCER TREATMENT (NCI)
Trends in Socioeconomic Position and Diet Relationship, $77,000
NIH-NATIONAL INSTITUTE OF DIABETES, DIGESTIVE, & KIDNEY DISEASES (NIDDK)
Trends in Food Consumption Patterns of America, $154,000

KARABALI, DIMITRA — LEHMAN COLLEGE
NATIONAL SCIENCE FOUNDATION
RUI: Topics in Planar Physics, $29,075

KARAN, HIROKO — MEDGAR EVERS COLLEGE
NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
Extramural Associate Research Development Award for Establishing or Enhancing an Office of Sponsored Research and for Other Research Infrastructure Needs, $27,000

KARIMI, SASAN — QUEENSBOROUGH C. C.
EPPLEY FOUNDATION FOR RESEARCH, INC
Preparation and Reaction of Chiral Oxy-Carbanions, $21,017

KASER, JAMES — COLLEGE OF STATEN ISLAND
NYS EDUCATION DEPARTMENT
General Preservation Survey of Archives and Special Collections, $5,478
Phase One Documentation Planning Project Focusing on the Former Willowbrook State School, $10,148

KASHFI, KHOSROW — CITY COLLEGE
RESEARCH FOUNDATION/STONY BROOK
Pancreatic Cancer Prevention with NO-releasing NSAIDS, $45,000

KATZ, ALVIN — CITY COLLEGE
MEDIPHOTONICS DEVELOPMENT COMPANY, LLC
Adapt the Current CD-Ratiometer and/or CD-Map to Couple to a Micro-endoscope for Native Fluorescence Measurements of Breast Ducts, $70,000

KATZ, JANE/WILSON, BASIL — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
NEW YORK COMMUNITY TRUST
Senior Water Exercise Program, $5,000

KAUFMAN, BARRY/MALAVE, ERNESTO — OFFICE OF VC — BUDGET & FINANCE
COLLEGE FUND (CUNY MISCELLANEOUS)
The University Accounting Office’s Financial Aid Program, $869,520
University Accounting, $1,735,051

KAUFMAN, HUGO — GRADUATE SCHOOL
NEW YORK UNIVERSITY
Establishment of a European Union Studies Center at the New York Regional Center for European Union Studies, $252,000

KEIZS, JEAN — BRONX C. C.
NYS EDUCATION DEPARTMENT
Vocational and Applied Technology Education Act (VATEA)—Technical Preparation Program, $190,000

KEIZS, MARCIA — BRONX C. C.
HOSPITAL LEAGUE/1199
League/1199 SEIU Training and Upgrading Fund Contract, $42,500

KELLAWON, BLANCHE — BRONX C. C.
NYS DEPARTMENT OF LABOR
Displaced Homemaker Program, $177,870
NYS EDUCATION DEPARTMENT
Workforce Investment Act (WIA), $253,369
KELLY, KEVIN — QUEENSBOROUGH C. C.
IRS—TAXPAYER ADVOCATE SERVICE
Low Income Taxpayer Matching Grant 2005, $30,000

KENNELLY, EDWARD—LEHMAN COLLEGE
VARIOUS PRIVATE SOURCES
Natural Products Research, $6,000

KENNELLY, EDWARD/PARKINSON, AINSLEY — LEHMAN COLLEGE
NIH—NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Cardioprotective Antioxidants from Caribbean Fruits, $29,365

KENNELLY, EDWARD/REYNERTSON, KURT — LEHMAN COLLEGE
NIH—NATIONAL CENTER FOR COMPLEMENTARY AND ALTERNATIVE MEDICINE (NCCAM)
Antioxidant Polyphenols from Fruits of the Myrtle Family, $31,732

KHANBILVARDI, REZA — CITY COLLEGE
U.S. DEPARTMENT OF COMMERCE—NATIONAL OCEANIC & ATMOSPHERIC ADMIN.
NOAA Educational Partnership Program: Education & Science Forum, $101,681

KHANBILVARDI, REZA/AHMED, SAMIR/STEINER, JEFFREY — CITY COLLEGE
U.S. DEPARTMENT OF COMMERCE—ECONOMIC DEVELOPMENT ADMINISTRATION
NOAA Cooperative Center for Remote Sensing Science and Technology (CREST), $3,452,500

KIDD, CHARLES/ST. JOHN, RONALD — YORK COLLEGE
NATIONAL COLLEGIATE ATHLETIC ASSOCIATION
National Youth Sports Program (NYSP) Support Services, $18,547
National Youth Sports Program Fund, $1,836

KIERAN, MARY — BOROUGH OF MANHATTAN C. C.
NYC HOUSING AUTHORITY
Training for Entry-Level Paraprofessional Positions, $287,379

KIERAN, MARY/DEAGAN, DENISE — BOROUGH OF MANHATTAN C. C.
NYS DEPARTMENT OF LABOR
EDGE XI: Education for Gainful Employment Program, $162,928

KOBILINSKY, LAWRENCE — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
NYS EDUCATION DEPARTMENT
Enhancing Science and Technology in the 21st Century, $76,000

KOBILINSKY, LAWRENCE/SZUR, KATE — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
U.S. DEPARTMENT OF EDUCATION
Strengthening Hispanic-Serving Institutions, $413,967

KOBR, MARK — BROOKLYN COLLEGE
AMERICAN CHEMICAL SOCIETY
A Comparative Study of Solvation Dynamics in Different Classes of Room-Temperature Ionic Liquids, $25,000

KODNER, DENNIS — HUNTER COLLEGE
HYDE AND WATSON FOUNDATION
Brookdale Center on Aging Support, $10,000

KOK, AHMET METE/ROY, MANAWENDRA/GENIS, YAKOV/SALVATI, ANNA — BOROUGH OF MANHATTAN C. C.
NATIONAL SCIENCE FOUNDATION
Partnership in Cybersecurity and Information Assurance, $550,000

KORANY, ADAM — LEHMAN COLLEGE
NATIONAL SCIENCE FOUNDATION
Function Theory on Symmetric Spaces, $3,700

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
New York State Department of Environmental Certification Program for NYC DEP Wastewater Treatment Plant Operators, $1,725

NYS DEPARTMENT OF LABOR
EDGE XI: Education for Gainful Employment Program, $162,928

VARIOUS PRIVATE SOURCES
Continuing Education Special Project, $24,080

KIJNE, HUGO/WEILE, STACI — COLLEGE OF STATEN ISLAND
NYC MENTAL RETARDATION & DEVELOPMENTAL DISABILITY EDUCATIONAL SERVICES FOR DEVELOPMENTALLY DISABLED ADULTS LIVING IN THE COMMUNITY, $301,044

KIMMICH, CHRISTOPH/LITTLE, STEVE — BROOKLYN COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Brooklyn College General Support, $190,627

KINSLET, KIMBERLY/ELDRIDGE, DEBORAH — HUNTER COLLEGE
NYS EDUCATION DEPARTMENT
Inquiry Based School Improvement Program & Novice Teacher Project, $462,612

KOBRAK, MARK — BROOKLYN COLLEGE
AMERICAN CHEMICAL SOCIETY
A Comparative Study of Solvation Dynamics in Different Classes of Room-Temperature Ionic Liquids, $25,000

KODNER, DENNIS — HUNTER COLLEGE
HYDE AND WATSON FOUNDATION
Brookdale Center on Aging Support, $10,000

KOHLMER-BRITTON, CHARLENE — BROOKLYN COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Head Teacher Fund, $185,901

KOK, AHMET METE/ROY, MANAWENDRA/GENIS, YAKOV/SALVATI, ANNA — BOROUGH OF MANHATTAN C. C.
NATIONAL SCIENCE FOUNDATION
Partnership in Cybersecurity and Information Assurance, $550,000

KOPPLIK, JOEL — CITY COLLEGE
NASA
Molecular Dynamics of Fluid-Solid Systems, $87,000

KORANY, ADAM — LEHMAN COLLEGE
NATIONAL SCIENCE FOUNDATION
Function Theory on Symmetric Spaces, $3,700
KORNBERG, JUDITH — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
NYC DEPARTMENT OF HOMELESS SERVICES
Provision of Peace Officer Training, Recertification Training and Fraud Investigation Training, $200,857
U.S. DEPARTMENT OF JUSTICE
RCPI Integrity Initiative, $500,000
RCPI Counter Terrorism Initiative, $50,000
KORNBERG, JUDITH/HAIRSTON, DEBRA — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
COLLEGE FUND (CUNY MISCELLANEOUS)
Hungary: FBI Special Programs, $87,392
NYC DEPARTMENT OF EDUCATION
Tutoring and Mentoring Services for Bronx Middle School Students, $21,200
KOTELCHUCK, DAVID/BURGIE, ANDREW — HUNTER COLLEGE UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY
Hazardous Waste Workers Training Program, $135,552
KOTELCHUCK, DAVID/CARAVANOS, JACK — HUNTER COLLEGE MOUNT SINAI SCHOOL OF MEDICINE
NORA Research Support Associated with the Industrial Hygiene Program, $42,255
KOTELCHUCK, DAVID/CORBURN, JASON — HUNTER COLLEGE NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Asthma Training, $9,600
NYC Environmental Public Health, $24,650
KRAUSS, BEATRICE — HUNTER COLLEGE HEALTH RESEARCH, INC.
Center for Expertise on Case Management: HIV/AIDS Training Workplan, $100,000
MEDICAL AND HEALTH RESEARCH ASSOCIATION
HIV Prevention Case Management Initiative, $843,332
NEW YORK COMMUNITY TRUST
Sister Link/Brother Link Program: HIV Prevention Program for Incarcerated Youth, $17,500
NIH-NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)
Adolescent HIV Risk: Social Settings and Prevention Issues, $618,905
Best Practices in Adolescent HIV VCT, $125,480
Parent/Preadolescent Training for HIV Prevention-Part 3, $365,860
NYC DEPARTMENT OF EDUCATION
HIV/AIDS Curriculum Guide Technical Update, $35,000
NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Pilot Program on Rikers Island, $8,000
KRAUSS, BEATRICE/ROBERTS, LYNN — HUNTER COLLEGE NYS DIVISION OF CRIMINAL JUSTICE SERVICES
Sister Link/Brother Link, $75,000
KRAUT, BENNY — QUEENS COLLEGE
QUEENSBOROUGH COMMUNITY COLLEGE
Alumni Assistant, $94,586
KREUZER, PAUL — LEHMAN COLLEGE
U.S. DEPARTMENT OF EDUCATION
Strengthening Hispanic-Serving Institutions, $600,000
KUITE, ANNE E./HAREWOOD, AITHEA/GORELICK, STEVEN — GRADUATE SCHOOL COLLEGE FUND (CUNY MISCELLANEOUS)
Office of Special Events and Events Planning, $784
KUKLOV, ANATOLY — COLLEGE OF STATEN ISLAND
NATIONAL SCIENCE FOUNDATION
Collaborative Research: ITR-(ASE)-(SIM): Worm Algorithm and Diagrammatic Monte Carlo for Strongly Correlated Atomic and Condensed Matter Systems, $118,278
KURIEN, SUMA — LAGUARDIA C. C.
NYS DEPARTMENT OF LABOR
English Language Instruction Program, $36,000
NYS EDUCATION DEPARTMENT
Immigrant Family Literacy Program, $265,774
Workforce Investment Act (WIA): English Language Civics Education, $367,649
KURIEN, SUMA/DICK, MAE — LAGUARDIA C. C.
NYS DEPARTMENT OF LABOR
EDGE XI: Education for Gainful Employment, $238,340
KURZMAN, PAUL/GRAZIANO, ROBERTA — HUNTER COLLEGE
NYC ADMINISTRATION FOR CHILDREN’S SERVICES
MSW Program for ACS Staff, $21,603

KWARTA, VIRGINIA — UNAFFILIATED PROJECTS
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Adult Literacy/Adult Education, $55,706
New York City Adult Literacy Initiative (STEPS), $249,090

NYC ADMINISTRATION FOR CHILDREN'S SERVICES
MSW Program for ACS Staff, $21,603

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
Support for Training and Educational Program Services, $143,396

U.S. DEPARTMENT OF LABOR
Steps to Employment (Grants for Small Grassroots Organizations), $25,000

KYDD, JANICE — LAGUARDIA C. C.
NYS DEPARTMENT OF LABOR
Another Chance Initiative for Education, Vocation or Employment (Achieve), $72,031
Jobs for Youth Program, $105,214

LAMYREAU, WILLIAM/CHAUHAN, BHANU — COLLEGE OF STATEN ISLAND
MERCK & COMPANY INC.
Undergraduate Science Research Program, $20,000

NATIONAL SCIENCE FOUNDATION
Acquisition of a Confocal Microscope for Interdisciplinary Research, $479,752

LACKAYE, TIMOTHY — HUNTER COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
George N. Shuster Faculty Fellowship Fund 2004: Using Speech Recognition Software for Writing with Students with Learning Disabilities, $2,000

LAKE, ANDRE — MEDGAR EVERS COLLEGE
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Summer Youth Employment Program, $60,000

NYS DEPARTMENT OF LABOR
Progressive Adolescent Vocational Exploration (PAVE) Program, $72,097

NYS EDUCATION DEPARTMENT
Liberty Partnerships Program, $434,150
Special Legislative Initiative—The Jazzy Jazz Festival, $1,000

THE AFTER-SCHOOL CORPORATION
After School Program at PS 181, $215,600

U.S. DEPARTMENT OF EDUCATION
GEAR UP Central Brooklyn Partnership, $458,851
Promoting Student Success and Improving Programs: Through Assessment and Technology, $365,000

LAKE, ANDRE/WILLIAMS, PETER — MEDGAR EVERS COLLEGE
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Beacon School Program, $400,000
Crown Heights Beacon Program, $400,000
Progressive Youth Empowerment Beacon, $400,000

LAMBERT, JEANNE/BATEMAN, KITTY — QUEENSBOROUGH C. C.
NYS EDUCATION DEPARTMENT
Queens Civics Collaboration of CUNY, $300,000

LANE, MAUREEN — HUNTER COLLEGE
NEW YORK WOMEN’S FOUNDATION
Welfare Rights Initiative, $27,500

NYS OFFICE OF CHILDREN AND FAMILY SERVICES
Welfare Rights Initiative (WRI), $5,000

LANE, MAUREEN/D’ALBERO, MOE LIU — HUNTER COLLEGE
VARIOUS PRIVATE SOURCES
Welfare Rights Initiative, $94,425

LANE, MAUREEN/LEWIS, DILLONNA — HUNTER COLLEGE
ADCO FOUNDATION
Welfare Rights Initiative, $6,000

LATZER, BARRY — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
U.S. DEPARTMENT OF JUSTICE
Visiting Fellowship Program—A Multistate Analysis of Time Consumption in Capital Appeals, $85,530

LAVIN, DAVID — GRADUATE SCHOOL
SPENCER FOUNDATION
Passing the Torch: Does Higher Education for the Disadvantaged Pay Off Across the Generations, $240,150

LAZARIDIS, THEMIS — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
Effective Energy Functions for Proteins in Lipid Membranes, $116,560

LAZREG, MARNIA — HUNTER COLLEGE
INSTITUTE FOR ADVANCED STUDY
Fellow at Institute, $20,000

LEE, JAE — CITY COLLEGE
AMERICAN CHEMICAL SOCIETY
Design for Enhancing Reaction Selectivity via Reactive Distillation, $40,000

SUNG IL CO., LTD.
Novel Technique for Natural Gas/H2 Storage and CO2 Separation Using Hydrate Formation, $248,820

LEE, JOHN — CITY COLLEGE
U.S. ARMY
Upgrade of the Electron Microscopy Facility, $113,840

LEE, JUNGMEE — GRADUATE SCHOOL
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
Understanding Temporal Integration of Time-varying Sounds, $76,000

LEE, MYUNG JONG — CITY COLLEGE
SAMSUNG ELECTRONICS CO., LTD.
SAIT-CUNY Joint Laboratory, $219,964
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<tr>
<th>Name</th>
<th>College/School</th>
<th>Funding Agency</th>
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<td>LEE, MYUNG-SOO</td>
<td>BARUCH COLLEGE</td>
<td>COLLEGE FUND (CUNY MISCELLANEOUS)</td>
<td>Korean American and Mexican American Home Business Survey</td>
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<td>LEITMAN, DAVID/FOX, JOHN</td>
<td>CITY COLLEGE</td>
<td>NIH-NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)</td>
<td>Neurostructural Correlates of Prosody in Schizophrenia</td>
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<td>CITY COLLEGE</td>
<td>U.S. DEPARTMENT OF EDUCATION</td>
<td>Minority Science Improvement</td>
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<td>LERNER, HELEN</td>
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<td>HRSA-DIVISION OF NURSING</td>
<td>Advanced Education Nursing Traineeships</td>
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<td>DAPHNE FOUNDATION, INC.</td>
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<td>$30,000</td>
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<td>LEBLONDE, CHRISTINE</td>
<td>CITY COLLEGE</td>
<td>NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE (NINDS)</td>
<td>Function of a Neuropeptide Gene Family in C. elegans</td>
<td>$327,038</td>
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<td>LEE, XIANGDONG</td>
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<td>NATIONAL SCIENCE FOUNDATION</td>
<td>Collaborative Research: A Virtual Laboratory for Information Assurance Education and Research</td>
<td>$75,000</td>
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<td>LEVINE, ROBERT</td>
<td>LAGUARDIA C. C.</td>
<td>NYS EDUCATION DEPARTMENT</td>
<td>Upward Bound Program</td>
<td>$7,930</td>
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<td>LIEBERMAN, DAVID/CHEUNG, TAK DAVID</td>
<td>QUEENSBOROUGH C. C.</td>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>Remote Laboratories and Distance Learning for Technician Training</td>
<td>$296,051</td>
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<td>LIND, GEORGIA</td>
<td>KINGSBOROUGH C. C.</td>
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<td>Science and Technology Entry Program (STEP)</td>
<td>$51,438</td>
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<td>LIPKE, PETER</td>
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<td>MARC Program: Undergraduate Biomedical Research Training at Hunter</td>
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<td>COLLEGE FUND (CUNY MISCELLANEOUS)</td>
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<td>$2,781,240</td>
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<td>LIU, CHARLES</td>
<td>COLLEGE OF STATEN ISLAND</td>
<td>SPACE TELESCOPE SCIENCE INSTITUTE</td>
<td>The COSMOS 2-Degree ACS Survey</td>
<td>$32,677</td>
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<td>LLEWELLYN, ADRIAN</td>
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<td>HRSA-DIVISION OF MEDICINE</td>
<td>Grants for Physician Assistants Training</td>
<td>$115,144</td>
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<td>LLOYD-BEY, ABDUL/LAKE, ANDRE</td>
<td>MEDGAR EVERS COLLEGE</td>
<td>U.S. DEPARTMENT OF EDUCATION</td>
<td>Medgar Evers Talent Search Program</td>
<td>$316,090</td>
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<td>LOMBARDI, JOHN</td>
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<td>NATIONAL SCIENCE FOUNDATION</td>
<td>Raman Spectroscopy of Mass-Selected Metal Clusters</td>
<td>$128,025</td>
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**AWARDS**
LONGO, PAUL — QUEENS COLLEGE
NYC DEPARTMENT OF EDUCATION
History Project, $49,940

LUBNER, MAXINE — YORK COLLEGE
VARIOUS PRIVATE SOURCES
CUNY Aviation Institute at York College Aviation Conference, $1,000

LUDMAN, ALLAN — QUEENS COLLEGE
NYC CITY COUNCIL
GLOBE—International Earth Science Teachers Training Program, $50,000

LUINE, VICTORIA — HUNTER COLLEGE
KING PHARMACEUTICALS, INC.
Interactive Effects of Estrogens and Progestins, $30,000
MERCK & COMPANY INC.
Measurement of Neurotransmitters in Rat or Rhesus Monkey Cerebrospinal Fluid, $7,997
IH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
RISE Program at Hunter College, $935,968

LUXTON-GOURGEY, KAREN — BARUCH COLLEGE
ALLENE REUSS MEMORIAL TRUST
Bridging the Digital Divide: Providing Computer Training Services to Seniors Who Are Blind and Visually Impaired, $20,000
LAVELLE FUND FOR THE BLIND, INC.
Empowerment Through Digital Technology: Enriching Lives Through Assistive Computer Training, $60,000
U.S. DEPARTMENT OF EDUCATION
A Model for Enhancing Graphical Learning for Students with Print Disabilities: An Audio/Tactile Statistics Curriculum, $113,486
VARIOUS PRIVATE SOURCES
Visually Impaired Professionals (VIP) Career Network Program, $65,990

LYUBLINSKAYA, IRINA/SANDERS, JAMES — COLLEGE OF STATEN ISLAND
U.S. DEPARTMENT OF EDUCATION
Comprehensive Program to Improve Teacher Quality Through Discovery Teaching Approaches, $1,000,000

MAANTAY, JULIANA — LEHMAN COLLEGE
NYC DEPARTMENT OF PARKS AND RECREATION
Geographic Information System (GIS) Feature Identification Project, $20,000

MACARI, EMMA — OFFICE OF VC — FACILITIES PLANNING/CONSTRUCTION & MANAGEMENT
NYS DORMITORY AUTHORITY
Enterprise Resource Planning (ERP) Director for the NIT Projects, $167,145

MACARI, EMMA/HAWKINS, EILEEN — OFFICE OF VC — FACILITIES PLANNING/CONSTRUCTION & MANAGEMENT
NYS DORMITORY AUTHORITY
Project Coordination Services—York College, $98,406

MACKENZIE, BARBARA — GRADUATE SCHOOL
VARIOUS PRIVATE SOURCES
Brook Center, $18,693
RILM Abstracts, $856,349

MAGDALENO, JOSE — LEHMAN COLLEGE
LEHMAN COLLEGE ASSOCIATION
Student Health Care Center, $163,166
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $95,440

MAGLIOZZO, RICHARD — BROOKLYN COLLEGE
NIH-NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID)
Catalysis of isoniazid action by M tuberculosis KatG, $382,500

MAIN, THOMAS/JOHNSON, ROBERT — BARUCH COLLEGE
BODMAN FOUNDATION
The CUNY Free Institutions Program, $125,000

MAITRA, NEEPA — HUNTER COLLEGE
AMERICAN CHEMICAL SOCIETY
Excitations and Response Properties from Time-Dependent Current-Density Functional Theory, $175,000

MAKSE, HERNAN — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
CAREER: Statistical Mechanics of Particulate Systems Far from Equilibrium, $80,000
U.S. DEPARTMENT OF ENERGY
Nonequilibrium Thermodynamics of Densely Packed Granular Matter and Compressed Emulsions, $64,000
Stress-Dependent Acoustic Propagation and Dissipation in Granular Materials, $85,000

MALDARELLI, CHARLES — CITY COLLEGE
NASA
Using Remobilized Surfactants to Enhance the Thermocapillary Migration of Bubbles Retarded by the Absorption of Surfactant Impurities, $82,957
MALDONADO, ELAINE/SCHNEIDER, YASEMIN — NYC COLLEGE OF TECHNOLOGY
U.S. DEPARTMENT OF EDUCATION
The Adjunct Academy at City Tech, $183,076

MALLON, GERALD — HUNTER COLLEGE
LUTHERAN IMMIGRATION AND REFUGEE SERVICE
NRCCPP: Immigrants and Child Welfare Project, $14,932
NYC ADMINISTRATION FOR CHILDREN’S SERVICES
Immigration Issues Training, $51,498
VARIABLES PRIVATE SOURCES
National Resource Center for Permanency Planning, $3,155

MALLON, GERALD/GRANDE, ANTHONY — HUNTER COLLEGE
NATIONAL RESOURCE CENTER FOR FOSTER CARE & PERMANENCY PLANNING
National Association of State Foster Care Managers (NAS-FCM) Annual Meeting, $4,550

MALLON, GERALD/LEASHORE, BOGART — HUNTER COLLEGE
DHHS/ADMINISTRATION FOR CHILDREN AND FAMILIES (ACF)
National Resource Center for Family Centered Practice and Permanency Planning, $1,200,000

MALLON, GERALD/MORSE, JOAN MARSHA — HUNTER COLLEGE
NYS OFFICE OF CHILDREN AND FAMILY SERVICES
Independent Living Network Training and Technical Assistance, $1,211,000
VARIABLES PRIVATE SOURCES
Independent Living Revenue Account, $3,843

MANES, JOAN — NYC COLLEGE OF TECHNOLOGY
NYS DEPARTMENT OF LABOR
Education for Gainful Employment (EDGE) X1, $18,020
NYS EDUCATION DEPARTMENT
ESOL and Civics Education, $331,716

MANTSIOS, GREGORY — QUEENS COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
The Labor Resource Center, $42,781
NATHAN CUMMINGS FOUNDATION
New York City Apollo Project, $461,196
THE CITY WORKS FOUNDATION
General Operations Account, $20,000
VARIABLES PRIVATE SOURCES
Housing Campaign, $24,861
Labor Resource and Worker Education, $100,755

MANTSIOS, GREGORY/MOGULESCU, JOHN — QUEENS COLLEGE
NYC CITY COUNCIL
Labor Resources, $52,106

MANUEL, PETER — GRADUATE SCHOOL
SOCIETY FOR ETHNOMUSICOLOGY, INC.
Ethnomusicology, $5,882

MARCUS, MICHAEL — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
Research In Stochastic Process, $120,000

MARINI, JACOB — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
COLLEGE FUND (CUNY MISCELLANEOUS)
Special Projects, $27,446

MARKOWITZ, STEVEN — QUEENS COLLEGE
AMERICAN RED CROSS
Assisting World Trade Center Workers in Queens, $79,500
CDC-NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH)
Queens Ground Zero Workers Health Watch, $621,404
COLLEGE FUND (CUNY MISCELLANEOUS)
Center for the Biology of Natural Systems Administration Account, $1,502

MOUNT SINAI SCHOOL OF MEDICINE
World Trade Center Worker and Volunteer Medical Screening Program, $17,600
PAPER, ALLIED-INDUSTRIAL, CHEMICAL & ENERGY WORKERS INTERNATIONAL UNION
Medical Surveillance of Former Workers at the Idaho National Engineering and Laboratory Implementation Phase, $2,095,881
Medical Surveillance of Former Workers at the Idaho National Engineering and Laboratory Implementation Phase, $159,819
STOP ENVIRONMENTAL ASTHMA RESTORE CHILDREN’S HEALTH
Mobil Air Lab Project, $45,403
U.S. DEPARTMENT OF ENERGY
Y-12/ORNL Former Production Worker Medical Screening, $1,398,682

MARRONE, CARMELLA — QUEENS COLLEGE
LIZ CLAIBORNE FOUNDATION
Women and Work Program, $80,000
NEW YORK WOMEN’S FOUNDATION
Women and Work Program, $30,000
PATRINA FOUNDATION
Women and Work Program at Queens College, $5,000

MARSHALL, EMILY MACK — KINGSBOROUGH C. C.
NYC DEPARTMENT OF EDUCATION
VATEA Title II Tech Prep, $88,661

MARTINEZ, HERMINIO — LEHMAN COLLEGE
HISPANIC SCHOLARSHIP FUND
2004-2005 Gear Up Program, $567
NYS EDUCATION DEPARTMENT
Bilingual Education: Innovative Teaching of English Language Learners (Intell), $250,000
Teachers of English Language Learners: Project TELL, $150,000
TIME WARNER FOUNDATION
Film Making/Video Documentary, $1,000
U.S. DEPARTMENT OF EDUCATION
Bilingual Education: Innovative Teaching of English Language Learners (Intell), $250,000
Teachers of English Language Learners: Project TELL, $150,000
UNIVERSITY OF NEW MEXICO
Special Programs - ENLACE, $3,003
MARTINEZ, HERMINIO/BARBER, NAOMI—LEHMAN COLLEGE
W.K. KELLOGG FOUNDATION
Engaging Latino Communities for Education Initiative, $960

MARTINEZ, HERMINIO/DIGBY, ANNETTE/IRUSHALMI, BRUCE—LEHMAN COLLEGE
U.S. DEPARTMENT OF EDUCATION
Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP), $1,516,800

MARTINEZ, OILDA—CITY COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Adult and Continuing Education, $19,905
NYS DEPARTMENT OF LABOR
Education for Gainful Employment, $107,299
NYS EDUCATION DEPARTMENT
21st Century Community Learning Center Program, $154,344

MARTINSONS, BARBARA—GRADUATE SCHOOL
VARIOUS PRIVATE SOURCES
College and Community Fellowship Program, $65,409

MASSA, LOUIS/TODARO, LOUIS—HUNTER COLLEGE
VARIOUS PRIVATE SOURCES
CAD 4 Research Supply, $600

MATOS-RODRIGUEZ, FELIX/DE JESUS, ANTHONY—HUNTER COLLEGE
VARIOUS PRIVATE SOURCES
Publications Income Account, $35,000
W.K. KELLOGG FOUNDATION
CUNY College ENLACE Partners, $6,296

MATSUI, HIROSHI—HUNTER COLLEGE
FDA-VIROLOGY
Silicon Chips Atomic Force Microscopy and Microscopy Services, $35,000
NATIONAL SCIENCE FOUNDATION
Career: Economical and Simple Fabrication of Quantum Dot-Electronics Using Biofunctionalized Protein Nanotubes as Building Blocks, $6,000
Financial Support: American Chemical Society (ACS)
National Meeting, $2,000
U.S. DEPARTMENT OF ENERGY
Protein Nanotube-Based Electronics: Nano Hybrid Self-Assembly Using Biological Recognitions, $160,373

MATTHEWS, ROBERTA—BROOKLYN COLLEGE
U.S. DEPARTMENT OF EDUCATION
Strengthening Institutions Program, $350,000

MAUE, DYANNE—QUEENS COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Design Graphics, $36,953

MCCARTHY, KATHLEEN—GRADUATE SCHOOL
ROCKEFELLER BROTHERS FUND
Feasibility Study for a Think Tank on Foundations, $25,000
SURDNA FOUNDATION
Feasibility Study for a Think Tank on Foundations (2004–2005), $15,000

MCCARTHY, KATHLEEN/MILLER, EUGENE—GRADUATE SCHOOL
CARNegie CORPORATION
Feasibility Study for a Think Tank on Foundations, $25,000
COLLEGE FUND (CUNY MISCELLANEOUS)
Center for the Study of Philanthropy, $214,007
JOHN S. AND JAMES L. KNIGHT FOUNDATION
Feasibility Study to Develop an Appropriate Structure, Research Agenda and Dissemination Strategy for a Think Tank on Foundations, $25,000

MCDANIEL, NICHOL—BRONX C. C.
NORTHEASTERN ILLINOIS UNIVERSITY
Workshop Program Associate—Introducing and Expanding Peer-Led Team Learning in Human Anatomy and Physiology: Improving Learning for all Students, $6,500
U.S. DEPARTMENT OF AGRICULTURE
Acute Adaptation to Dietary P by Renal and Intestinal NaPi Transporter in Trout, $36,545

MCGOVERN, THOMAS/BANKOFF, ARTHUR/SMITH, NEIL—HUNTER COLLEGE
NYC DEPARTMENT OF CITYWIDE ADMINISTRATIVE SERVICES
Archaeological Services at City Hall Park, $52,400

MCGOVERN, THOMAS/PERDIKARIS, SOPHIA—HUNTER COLLEGE
NATIONAL SCIENCE FOUNDATION
Zooarchaeology and Human Ecodynamics in Northern Iceland and Faroe Islands, $66,604

MCHUGH, CECILIA/KOHFELD, KAREN/MARCHESE, PAUL/ZHENG, YAN—QUEENS COLLEGE
NATIONAL SCIENCE FOUNDATION
Collaborative Research-Track 1: Partnership to Enhance Diversity in Marine Geosciences: Holocene Climate and Anthropogenic Changes from Long Island Sound, NY, $59,819

MCINTOSH, JANET—MEDGAR EVERS COLLEGE
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $45,028

MCKENNA, HAROLD—CITY COLLEGE
NYS EDUCATION DEPARTMENT
Discovery in Science, $72,429

MCMANUS, TERESA—BRONX C. C.
NYS EDUCATION DEPARTMENT
Library Collection Aid, $9,759

MCVEY, RONALD—JOHN JAY COLLEGE OF CRIMINAL JUSTICE
NYC DEPARTMENT OF EDUCATION
Tech-Prep Program at Martin Luther King Jr. High School, $5,000

AWARDS
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<td>MELIKIAN, YELENA</td>
<td>NYC COLLEGE OF TECHNOLOGY</td>
<td>Engineer as Manager, $10,000</td>
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<td>NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION</td>
<td>MOVE-21: An Industry/Education Collaboration for 21st Century Careers in Transportation Technology, $1,582,391</td>
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<td>MELIKIAN, YELENA/ROMEO, DIANE</td>
<td>NYC COLLEGE OF TECHNOLOGY</td>
<td>Credentialed Alcoholism and Substance Abuse Counselor (CASAC) Scholarship and Support Program, $101,871</td>
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<td>QUEENSBOROUGH C. C.</td>
<td>VATEA III Technical Preparation Project, $190,000</td>
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<td>QUEENSBOROUGH C. C.</td>
<td>Tech-Prep Matching Account, $16,000</td>
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<td>QUEENS COLLEGE</td>
<td>VESID Literacy Services for Region 3, PS 161 and PS 30, $18,000</td>
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<td>MICHELLI, NICHOLAS/COHEN, ANN</td>
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<td>New York City Teaching Fellows Program, $13,020,078</td>
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<td>MICHELIS, CORINNE</td>
<td>QUEENS COLLEGE</td>
<td>NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS) Maltose Sensing/Signaling Mechanisms in Saccharomyces, $308,000</td>
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<td>MIDDLETON, JOSEPH/SPATOLA, EUGENE—LEHMAN COLLEGE</td>
<td>PRIVATE ORGANIZATIONS</td>
<td>Academic Computing Consultation, $1,201</td>
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<td>MIELE, ELEANOR/POWELL, WAYNE</td>
<td>BROOKLYN COLLEGE</td>
<td>The River Project, $19,715</td>
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<td>QUEENS COLLEGE</td>
<td>CON EDISON Investigative Science Symposium/Fair, $5,000</td>
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<td>MILLS, PAMELA/DEMEO, STEPHEN/SWEENEY, WILLIAM/LAURENSON, DAVID—HUNTER COLLEGE</td>
<td>NATIONAL SCIENCE FOUNDATION</td>
<td>The Development of Three New Five-Year BA/MA Programs in Secondary Science Teaching Emphasizing Inquiry Learning and Integration of Pedagogy and Science Content, $152,609</td>
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<td>NATIONAL SCIENCE FOUNDATION</td>
<td>Math and Science Partnership in New York City (MSP in NYC), $1,840,958</td>
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<td>MIN, PYONG GAP</td>
<td>QUEENS COLLEGE</td>
<td>NATIONAL SCIENCE FOUNDATION The Effects of Immigrants Entrepreneurship on Ethnic Attachment and Ethnic Solidarity: Koreans, Chinese, and Indians in New York, $97,551</td>
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<td>MIRKIN, MICHAEL</td>
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<td>NATIONAL SCIENCE FOUNDATION Charge Transfer Processes at Microscopic Liquid Interfaces, $110,000</td>
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<td>MOGULESCU, JOHN</td>
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<td>ALFRED P. SLOAN FOUNDATION Introduction to Nature of New York, $30,000</td>
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<td>ANHEUSER-BUSCH COMPANIES, INC.</td>
<td>Tuition Support for a COPE Student, $4,500</td>
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<td>BILL AND MELINDA GATES FOUNDATION</td>
<td>Early College Initiative, $2,653,929</td>
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<td>CITIGROUP FOUNDATION</td>
<td>Career and Skill-building for the Community Development Professional: Exploring the Need for a Graduate Credential in Business Credit Analysis and Real Estate Finance, $25,000</td>
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<td>COLLEGE FUND (CUNY MISCELLANEOUS)</td>
<td>Collaborative Programs FY 05, $580,000</td>
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<td>NEW YORK HISTORICAL SOCIETY</td>
<td>Develop and Implement a Comprehensive Education Program and Various Public Programs, $403,255</td>
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<td>NYC ADMINISTRATION FOR CHILDREN’S SERVICES</td>
<td>Professional Development Institute, $50,000</td>
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<td>Family Development Training and Credentializing Program, $248,235</td>
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<td>NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT</td>
<td>Out of School Youth Program (CUNY PREP), $1,900,000</td>
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<td>NYC HUMAN RESOURCES ADMINISTRATION</td>
<td>Perfect Opportunity for Individual Skills and Education Development (POISED) for Success: Pregnant TANF Participants Program, $3,718,023</td>
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<td>NYS OFFICE OF THE MAYOR</td>
<td>Adult Literacy Program, $3,025,000</td>
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<td>Federal Summer Program &amp; National Youth Sports Program, $22,961</td>
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<td>NYS HIGHER EDUCATION SERVICES CORPORATION</td>
<td>Workforce Investment Act (WIA): Adult Education and Literacy, $3,803,622</td>
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<td>Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP) College for Me, $910,002</td>
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<td>NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE</td>
<td>Literacy Training Program (LTP), $905,470</td>
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<td>UNITED WAY</td>
<td>Professional Development Institute: Early Care and Education, $125,000</td>
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VARIOUS PRIVATE SOURCES
Jermaine Holman Scholarship Fund, $400

MOGULESCU, JOHN/BROWN, TED — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
VARIOUS PRIVATE SOURCES
CISDD Revenue, $49,310
NETLOGIC, INC.
Software Development, $34,080

MOGULESCU, JOHN/BRUST, LAUREN GIGLIO/BROWN, TED — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
NYC HUMAN RESOURCES ADMINISTRATION
CISDD Revenue, $49,310

NETLOGIC, INC.
Software Development, $34,080

MOGULESCU, JOHN/DOUGLASS, DEBORAH — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
NYC HUMAN RESOURCES ADMINISTRATION
College Opportunity to Prepare for Employment (COPE) Program, $1,975,561
PRIVATE ORGANIZATIONS
The COPE Diamond Incentive Award: College Opportunity to Prepare for Employment, $3,250

MOGULESCU, JOHN/EBENSTEIN, WILLIAM — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
NYS DEPARTMENT OF HEALTH
Health Workforce Retraining Initiative Grant Program, $1,29,813
SOCIAL SECURITY ADMINISTRATION
CUNY Youth Transition Demonstration Project, $564,291

MOGULESCU, JOHN/GARVEY, JOHN — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
VARIOUS PRIVATE SOURCES
City University of New York’s General Equivalency Diploma Program (GED), $4,020

MOGULESCU, JOHN/HERNANDEZ, WASHINGTON — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
NYC HUMAN RESOURCES ADMINISTRATION
Professional Training Academy, $5,700,000

MOGULESCU, JOHN/MENZI, DONALD — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
NYC DEPARTMENT OF SMALL BUSINESS SERVICES
ITA Program: Dislocated Workers, $18,546,146
NYC HUMAN RESOURCES ADMINISTRATION
Individual Training Account Voucher Program Services, $288,420

MOGULESCU, JOHN/MORRISON, ABIGAIL — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
NYC DEPARTMENT OF TRANSPORTATION
CUNY/DOT Survey Project, $553,513

MOGULESCU, JOHN/OPPENHEIM, LESLIE — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
VARIOUS PRIVATE SOURCES
Teacher to Teacher Videotape Services, $10,000

MOGULESCU, JOHN/PETTERSON, BRIAN — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
NYC DEPARTMENT OF INFORMATION TECHNOLOGY & TELECOMMUNICATIONS
3-1-1 Call Center, $3,700,000
City Agency Internship Program, $2,655,559
NYC HUMAN RESOURCES ADMINISTRATION
Informal Family Child Care Training, $497,533

MOGULESCU, JOHN/ZIMMERMAN, LYNDA — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS
AMERICAN RED CROSS
Educational Drama Workshops for 9/11-Affected Children, Parents and School Staff, $200,000
CENTER FOR ARTS EDUCATION
CAE—Annenberg Partnerships, $43,200
NYC DEPARTMENT OF EDUCATION
Arts Restoration Throughout the Schools Program, $137,600
Conflict Resolution, $11,864
Cultural Diversity-Students and Staff, $16,500
Prevention and Intervention Services, $30,264
DANT Summer Success Academy Programs, $60,000
TBD, $300,611
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
TBD, $375,400
Youth Development and Delinquency Prevention Program, $22,499
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Youth Development and Delinquency Prevention Program, $22,499
UNITED WAY
United Way, $20,000
VARIOUS PRIVATE SOURCES
Creative Arts Team: General Program Support, $94,759
WOLFTRAP-STARTSMART
Creative Arts Team, $17,300

MOLINA, CARLOS/ALTMAN, LORRAINE — HOSTOS C. C. COLLEGE FUND (CUNY MISCELLANEOUS)
Institutional Advancement, $291,241

MOLINA, CARLOS/ENCARNACION, JOSE — HOSTOS C.C
NYC DEPARTMENT OF EDUCATION
Hostos Community College Liberty Partnerships Program, $186,067

MOLLERKOPF, JOHN — GRADUATE SCHOOL
COLLEGE FUND (CUNY MISCELLANEOUS)
CUNY Data Service: A Unit of the Center for Social Research, $15,000
Second Generation Project, $40,300
RUSSELL SAGE FOUNDATION
Immigrants and Politics in New York and Los Angeles: Civic Engagement and Political Influence, $44,667

MOLLERKOPF, JOHN/GOLDBERG, ARIELLE — GRADUATE SCHOOL
U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
Doctoral Dissertation Research Grant: New Voices, New Strategies: Opportunities for Innovation in the Post-9/11 Revitalization of Lower Manhattan, $24,925

AWARDS
MONCADA-DAVIDSON, LILLIAN — QUEENS COLLEGE
W.K. KELLOGG FOUNDATION
Literacy and Math through Photography Program for Latin American High School Students, $32,500

MOODY, HARRY — HUNTER COLLEGE
ROBERT WOOD JOHNSON FOUNDATION
Institute for Human Values in Aging, $76,189

MOOTOO, DAVID — HUNTER COLLEGE
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Synthesis of Glycomimetics and Related Structures, $296,974

MORALES, GEORGE — MEDGAR EVERS COLLEGE
NYS EDUCATION DEPARTMENT
VATEA Academic Support Services, $559,893

MORALES, GEORGE/LAKE, ANDRE — MEDGAR EVERS COLLEGE
NYS DEPARTMENT OF FAMILY ASSISTANCE
Advantage After-School Program: Better Utilization of Teen Activities, $56,250
NYS EDUCATION DEPARTMENT
Science and Technology Entry Program (STEP) Youth Development Program, $97,047

MORALES, GEORGE/LLOYD-BEY, ABDUL/LAKE, ANDRE — MEDGAR EVERS COLLEGE
NATIONAL COLLEGIATE ATHLETIC ASSOCIATION
2005 National Youth Sports Program (NYSP), $100,000

MORRIS, ANNE — BARUCH COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Center for Logistics and Transportation, $20,000

MORRIS, JEFFERY — CITY COLLEGE
HALIBURTON ENERGY SERVICES, INC.
Particle Surface Effects on the Ultimate Conductivity of a Proppant Pack, $106,533
NASA
Drop Formation Processes in Solids-laden Liquids, $136,879
NORTH AMERICAN MIXING FORUM
Particle Motions in Closed Streamline Flows of Suspensions: Influence on Mixing and Demixing Forum, $10,000

MOSHOYANNIS, THALIA — GRADUATE SCHOOL
NYC DEPARTMENT OF EDUCATION
Center for Paraprofessional Academy, $177,540

MOY, JOYCE — LAGUARDIA C. C.
RESEARCH FOUNDATION/SUNY
The New York State Small Business Development Center (SBDC), $165,364

MUELLER, CLAUS — HUNTER COLLEGE
TRAUBNER INTERNATIONAL
Screening Conference, $10,000

MULE, IRIS/KODNER, DENNIS — HUNTER COLLEGE
VARIOUS PRIVATE SOURCES
Brookdale Center on Aging Program Support, $65,969
Continuing Education, $390
Law Institute: General Funds, $139,859
Special Funds for Minority Programs, $58,717
Training Program: Special Funds, $12,930

MURPHY, CYNTHIA/ABNEY, ALBERT — YORK COLLEGE
NYS URBAN DEVELOPMENT CORP/EMPIRE STATE DEVELOPMENT CORP
Remanufacturing Assistance to Support the Growth of Local Remanufacturing Business, $333,000

MURTHA, JAMES/GOLDSTEIN, MATTHEW — BARUCH COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Asian American Higher Education Council, $2,952

MUTH, THEODORE — BROOKLYN COLLEGE
U.S. DEPARTMENT OF AGRICULTURE
The Role of Arabinogalactan, AtAGP17, in A. Tumefaciens Infection of Host Cells, $100,000

MYRIE, JACQUELINE — BOROUGH OF MANHATTAN C.C.
HRSA-DIVISION OF NURSING
Nursing Workforce Diversity Grants, $250,339

NAGARKATTE, UMESH/MOVASSEGHI, DARIUS — MEDGAR EVERS COLLEGE
U.S. DEPARTMENT OF EDUCATION
Learning Environment Advancing Progress (LEAP) in Mathematics, $124,604

NAHUM, LINDA/KATZ, SAUL — KINGSBOROUGH C. C.
BEE’ER HAGOLAH INSTITUTE
Adolescent Family Life Demo—The Real Deal, $11,350

NAIDER, FRED — COLLEGE OF STATEN ISLAND
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Peptide Cell Interactions in Saccharomyces Cerevisiae, $385,125
U.S. - ISRAEL BINATIONAL SCIENCE FOUNDATION
NMR Study of HIV-1 Glycoprotein Interaction with CCR5, $19,994

NAIR, PARAMESWARAN (V.P .) — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
Nonabelian Gauge Theories, Nonabelia Fluids, and Noncommutative Gravity, $78,000

NAPPER, JEAN/MELLER, PATRICIA/SELF, GLENDA — BRONX C. C.
NYS DEPARTMENT OF LABOR
Education for Gainful Employment (EDGE) XI Program, $58,175
NYS EDUCATION DEPARTMENT
English Language and Civics Education, $298,792

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NATHANSON, MELVYN—LEHMAN COLLEGE
NUMBER THEORY FOUNDATION
Combinatorial and Additive Number Theory, $2,860

NEHM, ROSS—CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
CAREER: Integrating Geoscience Research on the Neogene of the Dominican Republic with the Science Education of the Dominican-American Teachers and Students in New York City, $204,386

NEUMAN, ARLENE—GRADUATE SCHOOL
GALLAUDET UNIVERSITY
Rehabilitation Engineering Research Center on Hearing Enhancement, $346,300

NI-MEISTER, WENGE—HUNTER COLLEGE
NASA
Nonpoint Source Water Quality Assessment using NASA Remote Sensing and Modeling Products, $45,000
The Effect of Subgrid Variability of Snow Cover in Vegetated Regions on Land/Atmosphere Interactions, $137,864

NORD, ROBERTA—OFFICE OF VC—STUDENT DEVELOPMENT & ENROLLMENT
COLLEGE FUND (CUNY MISCELLANEOUS)
CUNY Athletics Conference, $214,212

NWOKE, GODFREY—NYC COLLEGE OF TECHNOLOGY
NYS EDUCATION DEPARTMENT
Teacher Opportunity Corps Program, $41,326
VARIOUS PRIVATE SOURCES
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O’DONNELL, MARY—COLLEGE OF STATEN ISLAND
HRSA-DIVISION OF NUR SING
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O’NEILL, JOHN—HUNTER COLLEGE
NYS OFFICE OF ALCOHOLISM AND SUBSTANCE ABUSE SERVICES
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U.S. DEPARTMENT OF EDUCATION
Employment, Research and Training Center, $699,981
VARIOUS PRIVATE SOURCES
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O’NEILL, JOHN/CARDOSO, ELIZABETH—HUNTER COLLEGE
NYS EDUCATION DEPARTMENT
VESID Rehabilitation Counseling Courses, $44,151

O’REILLY, LILLIAN—BROOKLYN COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Adult Learning Center Payroll Account, $393,000

OBLER, LORaine—GRADUATE SCHOOL
UNIVERSITY OF MARYLAND
Stress Factors on Linguistic Performance Language Performance Under Stress, $531,087

OLIVA, ROBERT—BROOKLYN COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Summer Mentor Program—JFEW Grant, $10,160

OLIVER, THOMAS/ LAKE, ANDRE—MEDGAR EVERS COLLEGE
THE AFTER-SCHOOL CORPORATION
Advantage After-School Program, $135,000

OPPENHEIMER, GERALD—BROOKLYN COLLEGE
NIH-NATIONAL LIBRARY OF MEDICINE (NLM)
Heart Disease and the Emergence of Modern Epidemiology, $76,211

ORTZ, BENJAMIN—HUNTER COLLEGE
NATIONAL SCIENCE FOUNDATION
CAREER: DNA Elements, $116,030
NIH-NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID)
Chromatin Based Gene Regulation in T Lymphocytes, $266,000

OSLEEB, JEFFREY/KLEIN, YEHUDA—HUNTER COLLEGE
U.S. DEPARTMENT OF DEFENSE
HBCU/MI Research Student Internship, $8,966

OSTROW, RONA—LEHMAN COLLEGE
NYS EDUCATION DEPARTMENT
Coordinated Collection Development Aid, $11,196

PAASWELL, ROBERT—CITY COLLEGE
NYS/METROPOLITAN TRANSIT AUTHORITY/ LONG ISLAND RAILROAD
Impacts of Capital Budgets & Capital Programming- Research Study on MTA’s Capital Program, $60,223
U.S. DEPARTMENT OF TRANSPORTATION/NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN.
University Transportation Research Center (UTRC), $1,002,000

PAASWELL, ROBERT/AGR Awal, ANIL/SUBRAMANIAM, KOLLURU—CITY COLLEGE
NYS DEPARTMENT OF TRANSPORTATION
University Transportation Research Center (UTRC), $244,072

PAASWELL, ROBERT/PARKER, NEVILLE—CITY COLLEGE
NEW JERSEY DEPARTMENT OF TRANSPORTATION
New Jersey Department of Transportation (NJDOT) Consortium, $95,379

PACH, JANOS—CITY COLLEGE
U.S. DOD-NATIONAL SECURITY AGENCY
Geometric Graph Theory, $30,000

PADOCH, CHRISTINE/IMB RUCE, VALERIE—GRADUATE SCHOOL
NATIONAL SCIENCE FOUNDATION
Doctoral Dissertation Research: The Demand for Diversity: The Globalization of Asian and Vegetable Production for the New York City Markets, $12,000
PAODOCH, CHRISTINE/STEWARD, ANGELA—GRADUATE SCHOOL
U.S. ENVIRONMENTAL PROTECTION AGENCY
EPA Fellowship, $1,635

PARKER, NEVILLE—CITY COLLEGE
SOUTH CAROLINA STATE UNIVERSITY
2004 Summer Transportation Institute, $41,153

PARKER, NEVILLE/SQUITIERI, LOUISE/JOHNSON, LEON—OFFICE OF THE CHANCELLOR
NATIONAL SCIENCE FOUNDATION
Louis Stokes Alliance for Minority Participation Program (LSAMP), $1,051,500

PARRA, LUCAS—CITY COLLEGE
HONEYWELL INTERNATIONAL
EEG Real Time Analysis, $73,929

PARRA, MERRILL—QUEENSBOROUGH C. C.
U.S. DEPARTMENT OF EDUCATION
Project Bridge IV: A Support Service Program for Students with Disabilities, Both On-Campus and Homebound, $290,292

PARSONS, JEFFREY—HUNTER COLLEGE
MOUNT SINAI SCHOOL OF MEDICINE
Club Drugs Use and Risky Behavior Among Men, $322,042
NIH-NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM (NIAAA)
Adherence Intervention for HIV + Alcohol Users, $771,340
NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)
Patterns and Contexts of Club Drug Abuse, $682,307
UNIVERSITY OF ALABAMA IN BIRMINGHAM
Leadership Group for Adolescent Medicine Trials Network—ATN 004, $198,052
WAYNE STATE UNIVERSITY
Quality Assurance for Intervention, $1,650

PARSONS, SIMON—BROOKLYN COLLEGE
NATIONAL SCIENCE FOUNDATION
Tools and Techniques for Automated Mechanism Design, $156,821

PATTI, JANET—HUNTER COLLEGE
NYC DEPARTMENT OF EDUCATION
Safe Schools Conference and Follow-Up, $1,702
VARIOUS PRIVATE SOURCES
ECI Program, $2,928

PATTI, JANET/PICCIANO, ANTHONY—HUNTER COLLEGE
NYC DEPARTMENT OF EDUCATION
NYC Public School Leadership Development Initiative, $262,468

PAULL, MICHAEL—LEHMAN COLLEGE
BANK OF NEW YORK
Counseling Programs, $3,000
HEALTHPRO NURSING SOLUTIONS, LLC
Korean Nurses Program, $201,100
HOSPITAL LEAGUE/1199
1199 Lehman College Care 4, $224,300

NYS OFFICE OF ALCOHOLISM AND SUBSTANCE ABUSE SERVICES
La Familia Unida AIDS Outreach Program, $261,533
RESEARCH FOUNDATION/SUNY
The New York State Small Business Development Center (NYS SBDC), $270,000
ROBIN HOOD FOUNDATION
New York Immigrant Nurse Program, $100,000
VARIOUS PRIVATE SOURCES
International Health Services Skills Development Programs, $12,500
La Familia Fund, $5,000

PAULL, MICHAEL/MOGULESCU, JOHN/EBENSTEIN, WILLIAM—LEHMAN COLLEGE
HOSPITAL LEAGUE/1199—BILL MICHELSON
The New York Immigrant Nurse Program at CUNY, $52,893

PAULL, MICHAEL/STANLEY, CLARENCE—LEHMAN COLLEGE
CITIBANK
Small Business Development Center, $10,000

PEARSALL, BETTY—QUEENS COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Child Development Center Full Time, $115,520

PEDRAZA, PEDRO/DEJESUS, JOSE/DE JESUS, ANTHONY—HUNTER COLLEGE
FORD FOUNDATION
Acquisition of an Inductively Coupled Plasma-Atomic Emission Spectrometer (ICP-AES) for Research and Educational Training at Queens College, $109,605

PERDIKARIS, SOPHIA/MCGOVERN, THOMAS—BROOKLYN COLLEGE
NATIONAL SCIENCE FOUNDATION
Northern Science and Education Program, $150,054

PEREZ, ANTONIO/BRAGG, SADIE—BOROUGH OF MANHATTAN C. C.
VARIOUS PRIVATE SOURCES
BMCC/SUNY Educational Opportunity Center, $319,619

PEREZ, ANTONIO/MONTANEZ, JOHN—BOROUGH OF MANHATTAN C. C.
COLLEGE FUND (CUNY MISCELLANEOUS)
Fund Raising Project, $100,361

PEREZ, NELIDA—HUNTER COLLEGE
NYS EDUCATION DEPARTMENT
Puerto Ricans In New York: Preserving Identity, $29,980

PERO, LAWRENCE—KINGSBOROUGH C. C.
NYS EDUCATION DEPARTMENT
Career and Technical Education/Perkins, $941,318
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<td>Thermal Conductivity and Optical Characterization of GaN, GaALN and Other Wide Band Gap Semiconductors Using Scanning Thermal Microscopy and Optical Methods, $44,205</td>
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<td>SEA AG, INC.</td>
<td>Comparison of Marine Microalgal Culture Systems for Fuels Production and Carbon Sequestration, $81,271</td>
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<td>Investigations in Field and Particle Theory, $60,000</td>
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RAAB, JENNIFER — HUNTER COLLEGE
ANDREW MELLON FOUNDATION
The Mellon Minority Undergraduate Program, $10,206
COLLEGE FUND (CUNY MISCELLANEOUS)
RCMI/Gene Center Matching Funds, $500,000
VARIOUS PRIVATE SOURCES
CUNY Scholarship, $1,100

RAAB, JENNIFER/AYRAVAINEN, EIJA — HUNTER COLLEGE
NEW YORK COMMUNITY TRUST
Julius C.C. Edelstein Scholarships, $50,000

RAAB, JENNIFER/DOTTIN, ROBERT — HUNTER COLLEGE
NIH-NATIONAL CENTER FOR RESEARCH RESOURCES (NCRR)
RCMI at Hunter College: Research Center for the Study of Gene Structure and Function, $1,574,667

RACHLIN, JOSEPH — LEHMAN COLLEGE
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
MARC Undergraduate (U-Star Program) at Lehman College, $183,725
WILDLIFE CONSERVATION SOCIETY
Fish Passion Feasibility Study, $67,342

RAGIR, SONIA — COLLEGE OF STATEN ISLAND
GREAT APE TRUST OF IOWA
The Great Ape Trust of Iowa’s Support of Research by Dr. Sonia Ragir of the CSI, $14,500

RAIA, FREDERICA/DYASI, HUBERT — CITY COLLEGE
NYS EDUCATION DEPARTMENT
An Integrated System for Professional Development to Improve Science and Technology Training and Learning in Grades K–8, $277,888

RAIA, FREDERICA/STEINBERG, RICHARD — CITY COLLEGE
NYS EDUCATION DEPARTMENT
The TOC Science Collaborative, $36,023

RAJAH, VALLI — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
HARRY FRANK GUGGENHEIM FOUNDATION
Relations on the Margins: Love, Drug Use, and Violence in the Inner City, $25,670

RAMASUBRAMANIAN, LAXMI — HUNTER COLLEGE
AMERICAN FOUNDATION FOR THE BLIND
Environmental Correlates of Physical Activity Among People with Motor & Visual Impairment, $1,665

RAMOS, GLORIA — HUNTER COLLEGE
HRSA-DIVISION OF NURSING
Scholarships for Disadvantaged Students (SDS) Program, $43,611

RAPHAN, THEODORE — BROOKLYN COLLEGE
BAYLOR COLLEGE OF MEDICINE
Advanced Techniques for Assessment of Postural and Locomotor Ataxia Spatial Orientation and Gaze Stability, $15,166

MOUNT SINAI SCHOOL OF MEDICINE
Context-Specific Spatial Adaptation of the VOR, $45,000
Core Center, $63,279
NIH-NATIONAL EYE INSTITUTE (NEI)
Multidimensional Dynamics of the Vestibulo Ocular Reflex, $267,750
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
Vestibular Mechanisms in the Dynamics of Locomotion, $343,525

RAPS, SHIRLEY/GINSBERG, BONNIE/NELSON, VICTORIA/MARINOV, VALENTIN — HUNTER COLLEGE
HOWARD HUGHES MEDICAL INSTITUTE
Undergraduate Science Education Program, $174,460

RAVINDRAN, KALIAPPA — CITY COLLEGE
ITT INDUSTRIES
Secure Network, $66,600

RAY, LOUIS — HUNTER COLLEGE
U.S. DEPARTMENT OF EDUCATION
Ronald E. McNair Postbaccalaureate Achievement Program, $220,427
Student Support Services Project, $413,203

REBER, ARTHUR — BROOKLYN COLLEGE
NATIONAL SCIENCE FOUNDATION
On the Relationship between Bilingualism, Biculturalism and Creativity, $12,000

REID, LESLIE — OFFICE OF EXECUTIVE VICE CHANCELLOR—ACADEMIC AFFAIRS
VARIOUS PRIVATE SOURCES
Lifeber-Rosener Reading Program, $5,000

REID, LESLIE/MOGULESCU, JOHN — OFFICE OF EXECUTIVE VICE CHANCELLOR—ACADEMIC AFFAIRS
VARIOUS PRIVATE SOURCES
AIG Literacy Counts, $7,906

RENDSHON, STANLEY — LEHMAN COLLEGE
CENTER FOR IMMIGRATION STUDIES
American National Identity and the Dilemmas of Diversity, $5,000

RENSICK, EILEEN — BRONX C. C.
NYC DEPARTMENT FOR THE AGING
Project SOS Refugee Program, $745,337
REYES, ANGELA—HUNTER COLLEGE  
COLLEGE FUND (CUNY MISCELLANEOUS)  
George N. Shuster Faculty Fellowship Fund 2004: “Styling Dialects in the Linguistic Performance of Ethnicity,” $2,000

REYNOLDS, FRED—CITY COLLEGE  
FREEMAN FOUNDATION  
Strengthening Undergraduate Asian Studies at City College, $461,014

RICHARDS, LYNN/SCHWARTZ, ROBERT—YORK COLLEGE  
U.S. DEPARTMENT OF EDUCATION  
Ronald E. McNair Postbaccalaureate Achievement Program, $222,159

RICHARDSON, KATHRYN—NYC COLLEGE OF TECHNOLOGY  
HRSA-DIVISION OF NURSING  
Scholarships for Disadvantaged Students (SDS) at NYC College of Technology, $186,074

RICHARDS, KATHRYN/MCGUINN, ELLEN—NYC COLLEGE OF TECHNOLOGY  
NYS EDUCATION DEPARTMENT  
Collegiate Science & Technology Entry Program (CSTEP), $51,828

RICHMAN, GERALD—NYC COLLEGE OF TECHNOLOGY  
COLLEGE FUND (CUNY MISCELLANEOUS)  
Financial Aid, $25,000

RIZVI, SYED—COLLEGE OF STATEN ISLAND  
U.S. ARMY  
A Modular Clutter Rejection Technique for FLIR Imagery Using Region-Based Principal Component Analysis, $13,098

RODRIGUEZ, CATHERINE—UNAFFILIATED PROJECTS  
COLLEGE FUND (CUNY MISCELLANEOUS)  
Asian-American Higher Education Council, $845

RODRIGUEZ, FELIX/DE JESUS, ANTHONY—HUNTER COLLEGE  
NYC CITY COUNCIL  
NYC Council’s Initiative for Puerto Rican Studies, $469,000

RODRIGUEZ, VICTORIA—LEHMAN COLLEGE  
SYRACUSE UNIVERSITY  
New York City Regional Liaison, Task Force on Quality Inclusive Schooling, $29,700  
NYC Regional Liaison, Task Force on Quality Inclusive Schooling, $4,968

RODRIGUEZ-CHARDAVOYNE, ESTHER/MOLINA, CARLOS—HOSTOS C. C.  
NYS EDUCATION DEPARTMENT  
Post-Secondary Grant, $573,590

ROGERS, WILLIAM—CITY COLLEGE  
NYS EDUCATION DEPARTMENT  
Liberty Partnerships Program, $163,358

ROH DIN, BEN/ORBACH EADS, KATHLEEN—BARUCH COLLEGE  
COLLEGE FUND (CUNY MISCELLANEOUS)  
Baruch Performing Arts Center Marketing and Outreach, $199,556

ROJAS, ESTELLA/LAPERLA-MORALES, JOANN—NYC COLLEGE OF TECHNOLOGY  
U.S. DEPARTMENT OF EDUCATION  
Developing Hispanic-Serving Institutions, $332,136

ROMAN, STANFORD—CITY COLLEGE  
VARIOUS PRIVATE SOURCES  
CUNY Medical School Administrative Support, $432,000

ROMEO, DIANE—NYC COLLEGE OF TECHNOLOGY  
VARIOUS PRIVATE SOURCES  
Continuing Education Administration, $63,547

ROMER, NANCY/REISER, DIANE—BROOKLYN COLLEGE  
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT  
Education Support for Youth Leadership and Learning, $65,175  
Education Support for Youth Leadership and Learning, $64,428  
NYS EDUCATION DEPARTMENT  
Brooklyn College at Bushwick High School: Entering the 21st Century Together, $309,644  
THE AFTER-SCHOOL CORPORATION  
The Brooklyn College Community Partnership for Research and Learning: New Utrecht High School-After School Advancement Program, $36,750  
Brooklyn College Partnership for Research & Learning—WIA Bushwick High School, $130,067  
The Attendance Improvement and Drop-Out Prevention After-School Program, $67,500

ROMERO, MIGDALIA/UNDERWOOD, MARIA GARCIA—HUNTER COLLEGE  
NYS EDUCATION DEPARTMENT  
Bilingual Education Technical Assistance Center, $1,154,546

ROSA, CHRISTOPHER—QUEENS COLLEGE  
U.S. DEPARTMENT OF EDUCATION  
Student Support Services Program, $240,562

ROSEN, JAY—COLLEGE OF STATEN ISLAND  
NATIONAL SCIENCE FOUNDATION  
Northeast Probability Seminar, $11,599

ROSENBERG, SETH—CITY COLLEGE  
UNIVERSITY OF MARYLAND  
Helping Students Learn How to Learn: Open-Source Physics Worksheets Integrated with TA Development Resources, $37,718

ROSENBLUM, MARK—QUEENS COLLEGE  
VARIOUS PRIVATE SOURCES  
The Middle East and America—Clash of Civilizations or Meeting of the Minds, $10,000

AWARDS
ROSENZWEIG, ELLEN/POTASH, DAVID/KODNER, DENNIS — HUNTER COLLEGE
NYS DEPARTMENT OF STATE
Civil Legal Services: Community Service Provider Assistance Program, $11,258

ROTHSTEIN, ANNE/WASHINGTON, VALERIE — LEHMAN COLLEGE
NYS EDUCATION DEPARTMENT
Teacher Opportunity Corps, $56,205

ROTHSTEIN, ANNE/BAEZ, PEDRO — LEHMAN COLLEGE
NEW VISION FOR PUBLIC SCHOOLS
Astor Collegiate Academy, $90,460

ROY, MANAWENDRA/GENIS, YAKOV — BOROUGH OF MANHATTAN C. C.
NATIONAL SCIENCE FOUNDATION
A Virtual Laboratory for Information Assurance Education and Research, $75,000

ROY, CAROL — HUNTER COLLEGE
AMERICAN NURSES ASSOCIATION
Enhanced Video to Prevent HIV/AIDS in Minority Teens, $14,461

RUCK, MARTIN — GRADUATE SCHOOL
AMERICAN EDUCATIONAL RESEARCH ASSOCIATION
AERA/IES Postdoctoral Fellowship, $71,604

RUMAYOR, SANDRA/VAN LOON, NANETTE — BOROUGH OF MANHATTAN C. C.
NYS EDUCATION DEPARTMENT
Perkins III Postsecondary Program: Academic Support Services, $1,837,397

RUMAYOR, SANDRA/WONG, ERWIN — BOROUGH OF MANHATTAN C. C.
NYS EDUCATION DEPARTMENT
Telecordia Consortium: Collaborative Technology Alliance for Communications and Networking (CTA C&N), $337,000

SAADAWI, TAREK/LEE, MYUNG JONG — CITY COLLEGE
TELCORDIA TECHNOLOGIES, INC.
Telecordia Consortium: Collaborative Technology Alliance for Communications and Networking (CTA C&N), $337,000

SADEGH, ALI — CITY COLLEGE
ALCOA-KEEP
Design and Manufacturing of Aluminum Car Jack, $14,000

SAEGERT, SUSAN — GRADUATE SCHOOL
F.B. HERON FOUNDATION
Measuring the Impact of Nonprofit Homeowner Education Services, $25,000
UBERN HOMESTEADING ASSISTANCE BOARD
Connecting Low-Income Communities to Develop “Digital-Age” Skills, $4,793

VARIOUS PRIVATE SOURCES
The Center for Human Environments (CHE), $17,000

SAENZ DE VITERI, JORGE—BRONX C. C.
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $125,647

SAILOR, KEVIN—LEHMAN COLLEGE
NIH-NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)
Lehman College Psychology Research Development, $832,103

SAFANE, DOUGLAS—JOHN JAY COLLEGE OF CRIMINAL JUSTICE
NATIONAL SCIENCE FOUNDATION
Collaborative Research: A Virtual Laboratory for Information Assurance Education and Research, $74,650

POLYTECHNIC UNIVERSITY
Design & Implementations of Network Forensic Systems, $22,290

SAFANE, ROBERT—HUNTER COLLEGE
CHARLES FRUEAUFF FOUNDATION
School of Social Work Project Impact, $30,000
ROOTHEBERT FUND, INC.
Student Fellowships, $3,826

SAFANE, ROBERT/GRANDE, ANTHONY—HUNTER COLLEGE
HELENA RUBENSTEIN FOUNDATION
Scholarships for MSW Students in 1994–1995, $15,000
JEWISH FOUNDATION FOR EDUCATION OF WOMEN
Jewish Foundation Scholarships: Provide 4 Scholarships per Year, for 3 Years, in the Amount of $5000: 2 for Single Women Raising at Least 1 Child and 2 for Women Concentrating in Gerontology, $10,000

SAFANE, ROBERT/GRAZIANO, ROBERTA—HUNTER COLLEGE
NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Social Work Student Training, $849,366

SAFANE, ROBERT/UNTERBACH, DAVIDA—HUNTER COLLEGE
PRIVATE ORGANIZATIONS
Social Work Education, $31,400

SANCHEZ, CHRISTINE MONE—JOHN JAY COLLEGE OF CRIMINAL JUSTICE
U.S. DEPARTMENT OF EDUCATION
Student Support Services Program, $285,794

SANCHEZ, GEORGE/SAVAGE, CARIN—BRONX C. C.
J. PAUL GETTY TRUST
The Preparation of a Conservation Plan for the Bronx Community College, $228,000

SANDE, KEN—YORK COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Signage Projects Including Furnishing and Installing Signage at York College, $127,255

SANDERS, JAMES—COLLEGE OF STATEN ISLAND
U.S. DEPARTMENT OF EDUCATION
Teacher Quality Enhancement, $703,148

SANDERS, JAMES/CIACCIO, LEONARD—COLLEGE OF STATEN ISLAND
U.S. DEPARTMENT OF EDUCATION
Teacher Opportunity Corps: Discovery Project, $45,553
U.S. DEPARTMENT OF EDUCATION
Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP), $1,127,304

SARACHIK, MYRIAM—CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
Spectroscopic and Local Magnetic Measurements in High-Spin Molecular Nanomagnets, $120,000
U.S. DEPARTMENT OF ENERGY
Transport and Microwave Studies of Silicon Inversion Layers, $110,000

SARINSKY, GARY—KINGSBOROUGH C. C.
NYS EDUCATION DEPARTMENT
Collegiate Science and Technology Entry Program (CSTEP), $38,846

SAUNDERS, WILFORD—LAGUARDIA C. C.
NYS EDUCATION DEPARTMENT
Tutor Certification and Standardization Services, $1,159,044

SAVAGE, CARIN—BRONX C. C.
NYS EDUCATION DEPARTMENT
ESL Workplace Literacy, $38,792

SAVAGE, CARIN/SELIGER, MICHAEL—BRONX C. C.
DHHS/ADMINISTRATION FOR CHILDREN AND FAMILIES (ACF)
Head Start Partnerships with Hispanic-Serving Institutions of Higher Education, $130,000

SAVAGE-DUNN, CATHY—QUEENS COLLEGE
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Body Size Control Genes & TGF-beta Signaling C. Elegans, $215,880

SCARLATOS, LORI—BROOKLYN COLLEGE
NATIONAL SCIENCE FOUNDATION
CRCD: Innovative Approaches to Computer-Human Interfaces, $21,000
MRI: Acquisition of CAVE for Experiments in the Creation of Collaborative Learning Environments, $299,750

SCELS, JOSEPH—QUEENS COLLEGE
NEW YORK COUNCIL FOR THE HUMANITIES
Walter Wolff Event "The Story of a Holocaust Survivor in Germany and Italy," $1,071
NYC CITY COUNCIL
Italian American Museum, $50,000

AWARDS
SCHAWAROCH, VALERIE/WAHLERT, JOHN — BARUCH COLLEGE
NATIONAL SCIENCE FOUNDATION
Aquisition of a Digital Imaging System Will Enhance Scientific Research and Curricula at a Minority Undergraduate Institution, $76,119

SCHLEIN, JACK — YORK COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Science, Engineering, Mathematics, and Aerospace Academy (SEMAA), $56,900
PARAGON TEC, INC.
The Science, Engineering, Mathematics, and Aerospace Academy (SEMAA), $93,750

SCHMIDT, PETER — QUEENS COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Caumsett Environmental Center, $158,557

SCHULMAN, JANE — LAGUARDIA C.C.
COLLEGE FUND (CUNY MISCELLANEOUS)
Program Development, $508,170
VARIOUS PRIVATE SOURCES
Division of Continuing Education’s Research Development Programs and Taxi Institute Program, $2,183,382

SCHULMAN, JANE/GILBERTO, LINDA — LAGUARDIA C.C.
NYC HUMAN RESOURCES ADMINISTRATION
Employment Services and Placement Contract, $2,152,242

SCHULMAN, JANE/WATSON, SANDRA — LAGUARDIA C.C.
NYC DEPARTMENT OF HOUSING PRESERVATION & DEVELOPMENT
Family Self-Sufficiency, Career Advancement Program, $960,000

SCHULMAN, STUART — KINGSBOROUGH C.C.
CONCURRENT TECHNOLOGIES CORPORATION
The Cluster-Based Entrepreneurship Alliance, $27,500
DEUTSCHE BANK AMERICAS FOUNDATION
The CUNY Institute for Virtual Enterprise, $75,000

SCHWARTZ, BRIAN — GRADUATE SCHOOL
NATIONAL SCIENCE FOUNDATION
Science as Performance: A Proactive Strategy to Communicate and Educate through Theater, Music and Dance, $192,656
VARIOUS PRIVATE SOURCES
Sponsored Research, $20,000

SCHWARTZ, GARY — LEHMAN COLLEGE
U.S. DEPARTMENT OF EDUCATION
Ronald E. McNair Postbaccalaureate Achievement Program, $220,427

SCHWARTZ, LAURA — GRADUATE SCHOOL
VARIOUS PRIVATE SOURCES
Renaissance Society of America, $60,186

SCHWARTZ, RICHARD — GRADUATE SCHOOL
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
Real-Time Examination of Childhood Language Impairment, $292,298

SCLAFANI, ANTHONY — BROOKLYN COLLEGE
NIH-NATIONAL INSTITUTE OF DIABETES, DIGESTIVE, & KIDNEY DISEASES (NIDDK)
Carbohydrate Appetite, Fat Appetite, and Obesity, $264,250

SELF, GLENDA — BRONX C. C.
NYC DEPARTMENT OF EMPLOYMENT
Project HIRE Adult Training Program, $141,296

SELIGER, MICHAEL/QUIGLEY, JAMES — BRONX C. C.
U.S. DEPARTMENT OF ENERGY
Bronx Community College Center for Sustainable Energy: Facility Development Phase One, $966,000

SERON, CARROLL — BARUCH COLLEGE
NATIONAL SCIENCE FOUNDATION
Collaborative Research: Developing Diverse Leadership for Engineering, $20,590
Police-Community Relations, $9,800

SETHI, PRAKASH — BARUCH COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Conference Support, $5,516

SHAFER, VALERIE — GRADUATE SCHOOL
NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
The Neurodevelopmental Basis of Speech Discrimination, $674,444

SHANTON, DAVID — BARUCH COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Office of College Advancement, $99,576

SHATTUK, MARK — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
CAREER: Granular Media Experimental Kinetic Theory, $92,562

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<td>NEW YORK COMMUNITY TRUST A Collaborative Model: Professional and Paraprofessional Training of Personnel to Serve People with Impaired Vision</td>
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ISP INVESTMENTS, INC. (INTERNATIONAL SPECIALTY PRODUCTS) ISP—Rosen, $10,000

SMALL, GILLIAN/JAFFEE, DAVID—OFFICE OF EXECUTIVE VICE CHANCELLOR—ACADEMIC AFFAIRS
NATIONAL ENDOWMENT FOR THE HUMANITIES
Investigating History, $191,044

SMALL, GILLIAN/MOGULESCU, JOHN—OFFICE OF EXECUTIVE VICE CHANCELLOR—ACADEMIC AFFAIRS
NURENEW YORK'S NATURE, INC.
Strategic Alliance, $250,000

SMITH, GAIL—GRADUATE SCHOOL
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Bridges to the Doctorate, $131,099

SMITH, GAIL/PARKER, NEVILLE/SCHWARTZ, BRIAN—GRADUATE SCHOOL
NATIONAL SCIENCE FOUNDATION
Minority Access/Graduate Networking in the Sciences, Technology, Engineering, and Mathematics (MAGNET-STEM II), $1,225,339

SMITH, NONA—NYC COLLEGE OF TECHNOLOGY
COMMUNITY COUNSELING & MEDIATION
Expanding Options for Teen Parents and Youth, $8,000

SMITH, NONA/SONNENBLICK, CAROL—NYC COLLEGE OF TECHNOLOGY
VARIOUS PRIVATE SOURCES
Access for Women, $19,567

SOFAER, SHOSHANNA—BARUCH COLLEGE
ATLANTIC PHILANTHROPIES
Evaluating Efforts to Improve the Reach and Impact of Local State Health Insurance Information and Counseling Programs (SHIPS), $250,000

CORNELL UNIVERSITY
Translating Data To Information: Development of Reporting Templates for the AHRQ QIs Task Order 11, $175,131

HARVARD UNIVERSITY
Consumer Assessment of Health Plans Study (CAHPS) II, $190,368

RESEARCH TRIANGLE INSTITUTE
Public Reporting and Health Plan Provider Quality-of-Care, $34,716

ROBERT WOOD JOHNSON FOUNDATION
Consumer Driven Health Plans: Can They Work for Consumers, $49,797

SOLEcki, WILLiAM—HUNTER COLLEGE
COLUMBIA UNIVERSITY
Climate Change Information for Urban Policy & Decision Making: A Proposal to the National Oceanic and Atmospheric Administration, $16,000

Modeling Heat and Air Quality Impacts of Changing Urban Land Uses and Climate, $66,812

SCiENCE  APPLiCATiON  iNTERNATIONAL  CORPORATION
NYC Regional Heat Island Initiative, $35,000

SOlLENBLlCK, CAROL/HOFFMAN, CHUCK—NYC COLLEGE OF TECHNOLOGY
VARIOUS PRIVATE SOURCES
Family Development Credentialing (FDC) Program, $49,797

SPiNNER, MARLENE—COLLEGE OF STATEN ISLAND
VARIOUS PRIVATE SOURCES
Networks Special Project, $455,765

SPROUL, BARBARA—HUNTER COLLEGE
ALAVI FOUNDATION
Course Support, $11,000

ST. JOHN, RONALD—YORK COLLEGE
U.S. DEPARTMENT OF AGRICULTURE
New York Summer Food Service Program, $27,420

STAMOS, IOANNIS—HUNTER COLLEGE
NATIONAL SCIENCE FOUNDATION
CAREER: Photorealistic 3-D Modeling, $92,026

STARK, JOEL—QUEENS COLLEGE
NEW YORK COMMUNITY TRUST
Speech Language Hearing Center, $10,350

STARK, RUTH—COLLEGE OF STATEN ISLAND
ALBERT EINSTEIN COLLEGE OF MEDICINE
Biology of Fungal Melanin, $93,475

NATIONAL SCIENCE FOUNDATION
Molecular Structure and Function of Protective Plant Polymers, $130,000
RCN: Networking Tools, $99,721

RUTGERS UNIVERSITY
Fatty Acid Transport in the Intestine, $100,117
U.S. - ISRAEL BINARY SCIENCE FOUNDATION
Binational Agricultural Research and Development Fund (BARD): Understanding the Hardening Syndrome of Potato (Solanum Tuberosum) Tuber Tissue to Eliminate Textural Defects in Fresh and Fresh-Peeled/Cut Products, $34,800

STENZEL, JAN/SCHWARTZ, BRIAN—GRADUATE SCHOOL
VARIOUS PRIVATE SOURCES
Martin E. Segal Theatre Center, $65,000

STONE, PAMELA—HUNTER COLLEGE
ALFRED P. SLOAN FOUNDATION
Book on Professional Women and Decision to Leave the Workforce for Family Reasons, $43,953
STREKAS, THOMAS — QUEENS COLLEGE
HOWARD HUGHES MEDICAL INSTITUTE
Student Research/Broadening Access, $170,960

STROZIER, CHARLES — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
ELMHURST DAIRY, INC.
Shielding New York Against Terrorism: A Call to Action, $10,000

SAMUEL RUBIN FOUNDATION
The Second Nuclear Age: Nuclear Weapons, The New Terrorism, and The Culture of Fear, $1,000

SIMONS FOUNDATION
Lifting the Shadow: Toward a Nuclear-Weapons-Free World, $3,000

SIMONS FOUNDATION
Lifton Fellowship Program, $25,000

U.S. DEPARTMENT OF JUSTICE
A Program in Counter-Terrorism Preparedness, $247,369

STROZIER, CHARLES/LIFTON, ROBERT — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
COLLEGE FUND (CUNY MISCELLANEOUS)
Center on Violence and Human Survival Administrative Grant, $1,000

STUART, LEE/MELLER, PATRICIA/SELF, GLENDA — BRONX C. C.
NYS DEPARTMENT OF LABOR
Education for Gainful Employment-Edge XII, $47,855

STYLIANOU, DESPINA — CITY COLLEGE
UNIVERSITY OF MASSACHUSETTS
Invigorating Early Undergraduate Mathematics Experience: Understanding Linkages Between Social and Cognitive Aspects of Students’ Transition to Mathematical Proof, $64,211

SUBRAMANIAM, KOLLURU — CITY COLLEGE
U.S. ARMY
Blast Mitigation Using Controlled Low Strength Porous Materials and Fiber Reinforced Polymers: Experimental Investigation and Theoretical Development, $350,410

SUBRAMANIAM, KOLLURU/AGRAWAL, ANIL — CITY COLLEGE
CORNELL UNIVERSITY
Concrete deck material properties, $16,854

SULLIVAN, DENNIS — GRADUATE SCHOOL
NATIONAL SCIENCE FOUNDATION
Algebraic Topology and Quantum Field Theory, $66,029

SWARTZ, KARYL — LEHMAN COLLEGE
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
MBRS/SCORE Project, $2,697,790

SWEENEY, AOBHEANN — GRADUATE SCHOOL
COLLEGE FUND (CUNY MISCELLANEOUS)
Center for The Humanities, Payroll, $6,000

SYLVAN, CLAIRE — LAGUARDIA C. C.
COLLEGE FUND (CUNY MISCELLANEOUS)
International Partnership Schools—Gates Foundation, $94,651

TANANBAUM, DUANE — LEHMAN COLLEGE
NYC DEPARTMENT OF EDUCATION
Telling America’s Story Initiative, $69,631

TARBEll, JOHN — CITY COLLEGE
NASA
Microgravity Effects on Transvascular Transport and Vascular Control, $65,010

PENNSYLVANIA STATE UNIVERSITY
Mechanisms of Retinal Vascular Permeability in Diabetes, $145,715
Prosthetic Heart Valve Fluid Mechanics and Blood Damage, $50,161

TARDOS, GABRIEL — CITY COLLEGE
MERCK & COMPANY INC.
Development of an Undergraduate-Graduate Powder Science & Technology Textbook and Course Laboratory on Electronic Media, $40,000

NATIONAL SCIENCE FOUNDATION
Measurement of Stresses in Bulk, Flowing Powders and Application to Scale-Up of Powder Processes, $120,000

TAYLOR, DAVID — YORK COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Financial Aid: Delinquent Fee Collection, $60,473

TCHERNICHOVSKI, Ofer — CITY COLLEGE
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
Behavioral Mechanisms of Vocal Imitation, $278,460
RUTGERS UNIVERSITY
Integrative Study of Vocal Development, $122,501

TERRY, KAREN — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
UNITED STATES CONFERENCE OF CATHOLIC BISHOPS
The Nature and the Scope of the Problem of Sexual Abuse of Minors by Catholic Priests and Deacons in the United States, $99,354

TERRY, SHERRI-ANN/JEAN-PIERRE, PAUL — QUEENSBOROUGH C. C.
NYS EDUCATION DEPARTMENT
Liberty Partnerships Program, $227,867

TEXEIRA, KAREN — JOHN JAY COLLEGE OF CRIMINAL JUSTICE
U.S. DEPARTMENT OF EDUCATION
Upward Bound Program, $454,045

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Intergovernmental Personnel Act (IPA) Alvin Thaler, $4,872
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VAUGHN, SUSAN/HIGGINBOTHAM, BARBARA—BROOKLYN COLLEGE
NYS EDUCATION DEPARTMENT
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VAZQUEZ, MARIBEL—CITY COLLEGE
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Microsystems to Manipulate Fibroblast Chemotaxis, $172,700

PEDIATRIC BRAIN TUMOR FOUNDATION
Co-localization of Signal Transduction Proteins within Medulloblastoma Cells, $50,000

VAZQUEZ, MARIBEL/GILCHRIST, LANE—CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
NER: Intracellular Regulation via Multivalent Nanoprobes, $126,954
Sensors: Cell-Based Sensors that Link Nanotechnology, $341,128

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Confocal Microscope, $199,699

VITALE, ALEX—BROOKLYN COLLEGE
NEW YORK CIVIL LIBERTIES UNION
Protecting Protest, $5,700

VITERITTI, JOSEPH—HUNTER COLLEGE
JOHN M. OLIN FOUNDATION, INC.
Support for Research for Book, $58,000

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COLLEGE FUND (CUNY MISCELLANEOUS)
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WALLACE, MARGARET—JOHN JAY COLLEGE OF CRIMINAL JUSTICE
FORENSIC SCIENCES FOUNDATION, INC.
The Effect of 1, 2-Indanedione on PCR-STR DNA Typing, $4,067

WALLACE, MIKE—GRADUATE SCHOOL
NEW YORK COMMUNITY TRUST
To Develop Longterm Vision for NY Area, $10,000

WALLACE, WILLIAM—COLLEGE OF STATEN ISLAND
ECOTOX
Comparison of Bioavailability, Trophic Transfer and Effects of Copper, Lead and Zinc Among Metal Contaminated Estuaries, $5,000

WALLMAN, JOSHUA—CITY COLLEGE
NIH-NATIONAL EYE INSTITUTE (NEI)
Role of Vision in Etiology of Axial Myopia, $582,155

WALSH, ELAINE—HUNTER COLLEGE
NYS EDUCATION DEPARTMENT
Pre-College After School Program, $245,575
Public Service Scholar Program, $18,000
Public Service Scholar Program, $5,000

WANG, HOAU-YAN—CITY COLLEGE
INSTITUT DE RECHERCHES INTERNATIONALES SERVIER
Influence of S 24795 on AB42-α7 High Affinity Interaction, AB42-Induced Tau Phosphorylation, and Intraneuronal Accumulation of AB42 Using Rat Brain Slice Organotypic Cultures, $22,863

PAIN THERAPEUTICS, INC
Opioid Antagonists with Morphine for Neuropathic Pain, $43,000
Target Identification of Ultra-Low-Dose Opioid Antagonists in Preventing the Mu Opioid Receptor—G Protein Coupling Switch that Occurs in Opioid Tolerance, $75,000

WASHINGTON, VALERIE—LEHMAN COLLEGE
NYS EDUCATION DEPARTMENT
Lehman College/District 9 Collaboration, $97,119

WASSERMAN, SUZANNE—GRADUATE SCHOOL
NYC DEPARTMENT OF EDUCATION
American Journey: From Staff Development to Student Achievement in the Study of American History, $811,811

WASSERMAN, SUZANNE—GRADUATE SCHOOL
VARIOUS PRIVATE SOURCES
Gotham Center: Education, $110,343

WATERS, GLORIANA/BROWN, ARTHUR—OFFICE OF VC—FACULTY & STAFF RELATIONS
COLLEGE FUND (CUNY MISCELLANEOUS)
Exams, $77,715
University Personnel Office, $78,360

WATKINS, CHARLES—CITY COLLEGE
GLOBAL CONTOUR LTD.
Composite Structural Damage Self-Sensing via Electrical Resistance Measurement, $105,000
NATIONAL SCIENCE FOUNDATION
CREST Center for Mesoscopic Modeling and Simulation, $515,000

WATKINS, DON—BARUCH COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Fourth Sino-American Conference on Education, $1,000

WATSON, SANDRA—LAGUARDIA C. C.
NYC DEPARTMENT OF EMPLOYMENT
In-School Youth Employment Program (YEP), $200,182
Summer Youth Employment Program, $280,287

WEIKART, LYNNE—BARUCH COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Community Access Program/Healthy Communities Access Program (CAP/HCAP), $52,500

WEIL, EDWARD/LUBNER, MAXINE—YORK COLLEGE
PORT AUTHORITY OF NEW YORK/NEW JERSEY
Aviation Institute Agreement, $160,000

WEIL, EDWARD/MURPHY, CYNTHIA—YORK COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Continuing Education, $725,000

WEINBAUM, SHELDON—CITY COLLEGE
NIH-NATIONAL ARTHRITIS AND MUSCULOSKELETAL AND SKIN DISEASES (NIAMS)
Cytoskeletal Strain Amplification Due to Bone Fluid Flow, $316,277
YALE UNIVERSITY
Axial Flow Effects in Proximal Tubules, $90,240

WEINBAUM, SHELDON/PAYTON, PHILIP—CITY COLLEGE
NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI)
A National Urban Model for Minority Undergraduates Biome, $445,204

WEINBERG, DANA—QUEENS COLLEGE
BRANDEIS UNIVERSITY
Improving Institutional Long-Term Care for Residents and Workers: The Effect of Leadership, Relationships, and Work Design, $24,367
Improving Post-Discharge Care for Surgical Patients: The Challenge of Cross-Organizational Coordination, $18,108

WEINER, MICHAEL—CITY COLLEGE
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
MARC Honors Undergraduate Research Training Program, $204,084

WEINER, MICHAEL/SCHIERMAN, DEBBIE—CITY COLLEGE
NASA
Technology Integrated Program for Preparation of Tomorrow’s MSET Teachers, $200,000

WEISBERG, MICHAEL—KINGSBOROUGH C. C.
NASA
Petroleologic Geochemical Studies of Primitive Solar System Materials, $49,000

WEISS, THOMAS—GRADUATE SCHOOL
COLLEGE FUND (CUNY MISCELLANEOUS)
United Nations Intellectual History Project, $205,056

WEISSMAN, HAROLD—HUNTER COLLEGE
NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE
OTDA Management Training and Quality Assurance Seminars for HRA/NYC, $46,080

WELTER, BARBARA—HUNTER COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Research Support, $5,000

WERNICK, ALLAN—OFFICE OF EXECUTIVE VICE CHANCELLOR—ACADEMIC AFFAIRS
NYC CITY COUNCIL
Immigration Counseling Services, $65,000

WETTAN, RICHARD—QUEENS COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Athletics Auxiliary, $80,871
Athletics Full Time, $861,894
Athletics Support Program, $224,818
Summer Sports Camp Part Time, $788,622

WHEELER, DARRELL—HUNTER COLLEGE
NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
HIV/AIDS Epidemiologic Research In Black/African American Men Who Have Sex with Men, $322,467

WHEELER, DEREK—LEHMAN COLLEGE
LEHMAN COLLEGE FOUNDATION
Lehman College Foundation, $56,050

WILDER, ESTHER/HAGHIGHAT, ELHUM/WARING, ELIN—LEHMAN COLLEGE
NATIONAL SCIENCE FOUNDATION
Adapting the Integrating Data Analysis Model to Lehman, $175,000

WILKINSON, PATRICIA—BOROUGH OF MANHATTAN C. C.
U.S. DEPARTMENT OF EDUCATION
Faculty Workshop: Adjuncts, Applets, Pre-Calculus, and Statistics, $25,000

WILKINSON, PATRICIA/COHEN, ALICE—BOROUGH OF MANHATTAN C. C.
NATIONAL SCIENCE FOUNDATION
Computer Science, Engineering and Math Scholarship Program, $200,000

WILLIAMS, GREGORY—CITY COLLEGE
NIH-NATIONAL CENTER FOR RESEARCH RESOURCES (NCRR)
Cellular/Molecular Basis of Development: Research Center, $1,766,255
WILLIAMS, MARIA — YORK COLLEGE
NYS DEPARTMENT OF LABOR
Education for Gainful Employment, $43,180
NYS EDUCATION DEPARTMENT
WIA Title 2 ESOL/Civics, $300,000

WILLIAMS, PETER/MITCHELL, DEORES — MEDGAR EVERS COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
ACE Operations, $72,250
NYS EDUCATION DEPARTMENT
English Literacy and Civic Education, $299,922

WILLIAMS, PETER/REID, JULIANNE — MEDGAR EVERS COLLEGE
U.S. DEPARTMENT OF EDUCATION
TRIO Student Support Services Program, $260,181

WILSON, RODERICK — KINGSBOROUGH C. C.
NYS EDUCATION DEPARTMENT
Liberty Partnerships Program, $220,875

WOLBERG, GEORGE — CITY COLLEGE
U.S. NAVY
Log-Polar Transforms for Optical Image Processing and Target Recognition, $146,891

WOLFE, MARCIE — LEHMAN COLLEGE
BRONX CHARTER SCHOOL FOR CHILDREN
Professional Development in Mathematics, $3,900
EAST RAMAPO CSD
Professional Development, $41,150
ICAHN CHARTER SCHOOL
Professional Development in Math and Writing, $85,280
NYC DEPARTMENT OF EDUCATION
Student Academic Support Services in the Area of Mathematics, $761,402

WOLFE, MARCIE/CAMPOS, ANNE — LEHMAN COLLEGE
AMBER CHARTER SCHOOL
Professional Development in Mathematics, $17,215
NATIONAL WRITING PROJECT
National Writing Project: High School Projects and Programs at Designated Sites, $142,000
NYC DEPARTMENT OF EDUCATION
Literacy Instruction and Professional Development Services for Region 10 Even Start Program, $613,026
VARIOUS PRIVATE SOURCES
Institute for Literary Studies/New York City Writing Project: Meetings and Newsletter Fees, $11,307

WOLFE, MARCIE/WASSERMAN, PAUL — LEHMAN COLLEGE
NYS DEPARTMENT OF LABOR
Education for Gainful Employment (EDGE X1) Program, $108,885

WOLLMAN, HENRY — BARUCH COLLEGE
BOROUGH OF QUEENS — CHAMBER OF COMMERCE
Willetts Point/Queens: Development-Feasibility Study, $25,000
COLLEGE FUND (CUNY MISCELLANEOUS)
Newman Institute, $73,826

NYC PUBLIC ADVOCATE
Affordable Housing Study, $390,000

WONG, ERWIN/PULLES-LINAUS, NYDIA — BOROUGH OF MANHATTAN C. C.
U.S. DEPARTMENT OF EDUCATION
Fostering Student Success by Strengthening Academic Advisement and Developing an Integrated System for Management of Student Data, $475,000

WOODWARD, SUSAN — GRADUATE SCHOOL
CARNegie CORPORATION
What Do We Know and Why: Creating a Knowledge Infrastructure for Post-Conflict State Transformation, $190,000

WRIGLEYS, JULIA — GRADUATE SCHOOL
COLLEGE FUND (CUNY MISCELLANEOUS)
Children’s Care Giver, $4,921

WU, CLARA — LAGUARDIA C. C.
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Two Year to Four Year Transition Program, $216,000

WU, CLARA/STORCK, BYRON — LAGUARDIA C. C.
U.S. DEPARTMENT OF EDUCATION
LaGuardia’s Biological Chemistry Science Course Enhancement and Conduit Project, $157,086

WURMFELD, SANFORD — HUNTER COLLEGE
VARIOUS PRIVATE SOURCES
Art Seminar, $8,818

XIA, ZONG GUO — LEHMAN COLLEGE
GEORGE MASON UNIVERSITY
Mobilization of NASA EOS Data & Information through Web Services and Knowledge Management Technologies for Higher Education Teaching and Research, $28,000
U.S. ARMY
HBCU/MI: Instrumentation for Enhancing Instructional and Research Programs in Geographic Information Science at a Postsecondary Minority Serving Institution, $32,550
UNIVERSITY OF MASSACHUSETTS
Great Cities University Research Consortium, $86,352

XIAO, JIZHONG/ZHU, ZHIGANG — CITY COLLEGE
NATIONAL SCIENCE FOUNDATION
MII Planning Proposal: Center for Perceptual Robotics at the City College of NY, $49,938
U.S. ARMY
Co-Operative Wall-Climbing Robots in 3-D Environments for Surveillance and Target Tracking, $375,237

YALI, ANN MARIE — CITY COLLEGE
AMERICAN PSYCHOLOGICAL ASSOCIATION
Religious Comforts and Strains in Low Income Cancer Survivors, $6,000
YANG, NAN-LOH — COLLEGE OF STATEN ISLAND
NYS OFFICE OF SCIENCE, TECHNOLOGY, AND ACADEMIC RESEARCH
Center for Engineering Polymeric Materials, $428,331
RESEARCH FOUNDATION/STONY BROOK
Garcia Center for Polymers at Engineered Interfaces, $43,000

YEH, MING-CHIN — HUNTER COLLEGE
GRIFFIN HOSPITAL
Fruit & Veggie, $7,000

ZAKERI, ZAHRA — QUEENS COLLEGE
COLLEGE FUND (CUNY MISCELLANEOUS)
Cell Death Society, $7,979
NIH-NATIONAL CANCER INSTITUTE (NCI)
Meeting: Mechanisms of Cell Death, $3,000
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
MARC Undergraduate Student Training in Academic Research, $483,782

ZEIGLER, HARRIS — HUNTER COLLEGE
NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE (NINDS)
Whisking: Development of an “Active Touch” System, $300,000

ZEIGLER, HARRIS/FRIEDMAN, WENDY — HUNTER COLLEGE
NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE (NINDS)
Rat Motor Cortex: Neural Coding of Whisking Behavior, $28,396

ZEITLIN, ARTHUR — KINGSBOROUGH C. C.
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Bridge to the Baccalaureate: The Brooklyn Bridge, $188,226

ZEVIN, JACK/KRASNER, MICHAEL — QUEENS COLLEGE
TAFT INSTITUTE
Taft Institute Summer/Fall Workshop, $28,511

ZHI GANG — COLUMBIA UNIVERSITY
U.S. ENVIRONMENTAL PROTECTION AGENCY
Concentrations and Enantiomeric Fractions of Chlordane in Sediments from Long Island Sound, $299,728

ZENG, YAN — QUEENS COLLEGE
COLUMBIA UNIVERSITY
Arsenic Mobilization in Bangladesh Groundwater, $62,693
Collaborative Research: A High-Resolution Record of Productivity and/or Ventilation of the Northeastern Pacific from Soledad Basin, Baja California, $23,645

ZHU, ZHIGANG — CITY COLLEGE
U.S. AIR FORCE
Geo-Referenced Dynamic Pushbroom Stereo Mosaics for 3D and Moving Target Extraction-A New Geometric Approach, $33,000

ZINNANTI, LEONARD — HUNTER COLLEGE
NYS EDUCATION DEPARTMENT
Special Legislative Initiative - Thomas Hunter Hall Renovation Project, $7,500

ZOE, LUCINDA/CASARI, WILLIAM — HOSTOS C. C
NYS EDUCATION DEPARTMENT
Document Heritage Program (DHP) - Latino History & Culture, $9,173

ZOE, LUCINDA/MOLINA, CARLOS — HOSTOS C. C
NYS EDUCATION DEPARTMENT
Library Collection Aid, $7,173

AWARDS
Independent Auditors' Report

The Board of Directors  
Research Foundation of The City University of New York:

We have audited the accompanying consolidated balance sheets of the Research Foundation of The City University of New York (the Foundation) as of June 30, 2005 and 2004, and the related consolidated statements of activities and cash flows for the years then ended. These financial statements are the responsibility of the Foundation's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Foundation's internal control over financial reporting. Accordingly, we express no such opinion. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Research Foundation of The City University of New York as of June 30, 2005 and 2004, and the changes in its net assets and its cash flows for the years then ended in conformity with accounting principles generally accepted in the United States of America.

KPMG LLP

October 14, 2005
## Consolidated Balance Sheets
### June 30, 2005 and 2004

### Assets:

<table>
<thead>
<tr>
<th></th>
<th>Foundation</th>
<th>230 West 41st Street LLC</th>
<th>Eliminations</th>
<th>Total</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash and cash equivalents</td>
<td>$ 69,928,996</td>
<td>3,219,412</td>
<td></td>
<td>73,148,408</td>
<td>75,812,926</td>
</tr>
<tr>
<td>Restricted cash</td>
<td>—</td>
<td>7,854,341</td>
<td></td>
<td>7,854,341</td>
<td>—</td>
</tr>
<tr>
<td>Grants, contracts, and accounts receivable (net of allowance of $1,100,000 in 2005 and $2,600,000 in 2004)</td>
<td>38,121,080</td>
<td>—</td>
<td></td>
<td>38,121,080</td>
<td>38,432,253</td>
</tr>
<tr>
<td>Rent receivable (net of allowance of $48,977)</td>
<td>—</td>
<td>65,250</td>
<td></td>
<td>65,250</td>
<td>—</td>
</tr>
<tr>
<td>Prepaid expenses and other assets</td>
<td>612,013</td>
<td>270,375</td>
<td></td>
<td>882,388</td>
<td>335,447</td>
</tr>
<tr>
<td>Investments, at fair value (note 3)</td>
<td>40,194,647</td>
<td>—</td>
<td></td>
<td>40,194,647</td>
<td>35,016,397</td>
</tr>
<tr>
<td>Investment in 230 West 41st Street LLC</td>
<td>12,322,680</td>
<td>(12,322,680)</td>
<td></td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Building deposits – 230 West 41st Street LLC</td>
<td>—</td>
<td>—</td>
<td></td>
<td>—</td>
<td>6,220,230</td>
</tr>
<tr>
<td>Deferred rent receivable</td>
<td>—</td>
<td>1,944,333</td>
<td>(246,572)</td>
<td>1,697,661</td>
<td>—</td>
</tr>
<tr>
<td>Value of in-place leases (net of accumulated amortization of $2,560,671)</td>
<td>—</td>
<td>5,882,245</td>
<td>—</td>
<td>5,882,245</td>
<td>—</td>
</tr>
<tr>
<td>Above market leases (net of accumulated amortization of $784,418)</td>
<td>—</td>
<td>3,217,643</td>
<td>—</td>
<td>3,217,643</td>
<td>—</td>
</tr>
<tr>
<td>Deferred costs (net of accumulated amortization of $186,582)</td>
<td>—</td>
<td>1,751,973</td>
<td>—</td>
<td>1,751,973</td>
<td>—</td>
</tr>
</tbody>
</table>

**Fixed assets:**

<table>
<thead>
<tr>
<th></th>
<th>Foundation</th>
<th>230 West 41st Street LLC</th>
<th>Eliminations</th>
<th>Total</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rental property, net (note 11)</td>
<td>—</td>
<td>51,432,290</td>
<td></td>
<td>51,432,290</td>
<td>—</td>
</tr>
<tr>
<td>Furniture, fixtures, and equipment (net of accumulated depreciation of $884,229 in 2005 and $543,331 in 2004)</td>
<td>1,877,120</td>
<td>—</td>
<td></td>
<td>1,877,120</td>
<td>746,333</td>
</tr>
</tbody>
</table>

**Total assets**

|                           | $ 163,291,821 | 75,637,762 | (12,569,252) | 226,360,331 | 157,042,833 |

### Liabilities and Net Assets (Deficit):

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounts payable and accrued expenses</td>
<td>$ 28,369,527</td>
<td>444,462</td>
<td></td>
<td>28,813,989</td>
</tr>
<tr>
<td>Deferred revenue (note 5)</td>
<td>64,341,064</td>
<td>—</td>
<td></td>
<td>64,341,064</td>
</tr>
<tr>
<td>Grants payable to CUNY</td>
<td>3,045,036</td>
<td>—</td>
<td></td>
<td>3,045,036</td>
</tr>
<tr>
<td>Prepaid rent</td>
<td>—</td>
<td>16,091</td>
<td></td>
<td>16,091</td>
</tr>
<tr>
<td>Deferred rent payable</td>
<td>246,572</td>
<td>—</td>
<td>(246,572)</td>
<td>—</td>
</tr>
<tr>
<td>Security deposits payable</td>
<td>—</td>
<td>593,178</td>
<td></td>
<td>593,178</td>
</tr>
<tr>
<td>Deposits held in custody for CUNY colleges</td>
<td>49,914,027</td>
<td>—</td>
<td></td>
<td>49,914,027</td>
</tr>
<tr>
<td>Deposits held in custody for others (note 9)</td>
<td>—</td>
<td>—</td>
<td></td>
<td>—</td>
</tr>
<tr>
<td>Below market leases (net of accumulated amortization of $198,188)</td>
<td>—</td>
<td>261,351</td>
<td></td>
<td>261,351</td>
</tr>
<tr>
<td>Postretirement benefits payable (note 4)</td>
<td>17,892,781</td>
<td>—</td>
<td></td>
<td>17,892,781</td>
</tr>
<tr>
<td>Mortgage loan payable (note 12)</td>
<td>—</td>
<td>62,000,000</td>
<td></td>
<td>62,000,000</td>
</tr>
</tbody>
</table>

**Total liabilities**

|                           | $ 163,809,007 | 63,315,082 | (246,572)    | 226,877,517 | 151,215,551 |

**Net assets (deficit):**

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Unrestricted</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postretirement benefits</td>
<td>(17,892,781)</td>
<td>—</td>
<td></td>
<td>(17,892,781)</td>
</tr>
<tr>
<td>230 West 41st Street LLC</td>
<td>12,322,680</td>
<td>12,322,680</td>
<td></td>
<td>12,322,680</td>
</tr>
<tr>
<td>Other</td>
<td>5,052,915</td>
<td>—</td>
<td></td>
<td>5,052,915</td>
</tr>
</tbody>
</table>

**Total net assets (deficit)**

|                           | (517,186)   | 12,322,680 | (12,322,680) | (517,186) | 5,827,282 |

### Net assets and total liabilities

|                           | $ 163,291,821 | 75,637,762 | (12,569,252) | 226,360,331 | 157,042,833 |

See accompanying notes to consolidated financial statements.
## Consolidated Statements of Activities

### Years ended June 30, 2005 and 2004

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>2004</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Foundation</td>
<td>230 West 41st Street LLC</td>
<td>Eliminations</td>
<td>Total</td>
</tr>
<tr>
<td>Grants and contracts administered for others:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Revenue:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Governmental</td>
<td>$ 229,597,379</td>
<td>—</td>
<td>—</td>
<td>229,597,379</td>
</tr>
<tr>
<td>Private</td>
<td>68,567,362</td>
<td>—</td>
<td>—</td>
<td>68,567,362</td>
</tr>
<tr>
<td>Total grants and contracts revenue</td>
<td>298,164,741</td>
<td>—</td>
<td>—</td>
<td>298,164,741</td>
</tr>
<tr>
<td>Expenses:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research</td>
<td>(87,809,277)</td>
<td>—</td>
<td>—</td>
<td>(87,809,277)</td>
</tr>
<tr>
<td>Training</td>
<td>(120,561,355)</td>
<td>—</td>
<td>—</td>
<td>(120,561,355)</td>
</tr>
<tr>
<td>Academic development</td>
<td>(63,535,122)</td>
<td>—</td>
<td>—</td>
<td>(63,535,122)</td>
</tr>
<tr>
<td>Student services</td>
<td>(19,882,754)</td>
<td>—</td>
<td>—</td>
<td>(19,882,754)</td>
</tr>
<tr>
<td>Other</td>
<td>(6,376,233)</td>
<td>—</td>
<td>—</td>
<td>(6,376,233)</td>
</tr>
<tr>
<td>Total grants and contracts expenses</td>
<td>(298,164,741)</td>
<td>—</td>
<td>—</td>
<td>(298,164,741)</td>
</tr>
<tr>
<td>Administrative services:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Revenue:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administrative fees</td>
<td>19,817,057</td>
<td>—</td>
<td>—</td>
<td>19,817,057</td>
</tr>
<tr>
<td>Investment return (note 3)</td>
<td>2,259,597</td>
<td>—</td>
<td>—</td>
<td>2,259,597</td>
</tr>
<tr>
<td>Rental income (note 6)</td>
<td>— 9,418,743 (1,901,530)</td>
<td>— 7,517,213</td>
<td>— 191,797</td>
<td>— 15,005</td>
</tr>
<tr>
<td>Other</td>
<td>8,396</td>
<td>183,401</td>
<td>—</td>
<td>191,797</td>
</tr>
<tr>
<td>Total administrative revenue</td>
<td>22,085,050 (1,901,530)</td>
<td>9,602,144 (7,517,213)</td>
<td>(1,901,530)</td>
<td>29,785,664 (15,005)</td>
</tr>
<tr>
<td>Expenses:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management and general</td>
<td>(16,499,318)</td>
<td>— 1,901,530</td>
<td>—</td>
<td>(14,597,788)</td>
</tr>
<tr>
<td>Postretirement credit (note 4)</td>
<td>862,473</td>
<td>—</td>
<td>—</td>
<td>862,473</td>
</tr>
<tr>
<td>Grants to CUNY for central research initiatives (note 10)</td>
<td>(3,500,000)</td>
<td>— (3,500,000)</td>
<td>— (3,500,000)</td>
<td>(3,500,000)</td>
</tr>
<tr>
<td>Investment return allocated to individual colleges</td>
<td>(1,755,463)</td>
<td>— (1,755,463)</td>
<td>— (1,755,463)</td>
<td>(1,755,463)</td>
</tr>
<tr>
<td>Operating expenses of LLC</td>
<td>— (2,593,581)</td>
<td>—</td>
<td>—</td>
<td>(2,593,581)</td>
</tr>
<tr>
<td>Interest expense</td>
<td>— (3,934,087)</td>
<td>—</td>
<td>—</td>
<td>(3,934,087)</td>
</tr>
<tr>
<td>Real estate taxes</td>
<td>— (1,109,756)</td>
<td>—</td>
<td>—</td>
<td>(1,109,756)</td>
</tr>
<tr>
<td>Depreciation and amortization</td>
<td>(411,587)</td>
<td>(3,061,714)</td>
<td>—</td>
<td>(3,473,301)</td>
</tr>
<tr>
<td>Loss on lease termination of LLC above market leases (note 14)</td>
<td>— (3,097,023)</td>
<td>— (3,097,023)</td>
<td>— (3,097,023)</td>
<td>— (3,097,023)</td>
</tr>
<tr>
<td>Other</td>
<td>— (826,522)</td>
<td>—</td>
<td>—</td>
<td>(826,522)</td>
</tr>
<tr>
<td>Total administrative expenses</td>
<td>(21,303,895)</td>
<td>(14,622,683) (3,097,023)</td>
<td>— (3,097,023)</td>
<td>(3,425,048) (18,427,965)</td>
</tr>
<tr>
<td>Excess (Deficiency) of revenue over expenses before other changes</td>
<td>781,155</td>
<td>(5,020,539)</td>
<td>—</td>
<td>(4,239,384)</td>
</tr>
<tr>
<td>Other changes:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capital contribution</td>
<td>— 17,343,219 (17,343,219)</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Loss on lease termination and write-off of leasehold improvements of Foundation (note 6)</td>
<td>(2,343,084)</td>
<td>— —</td>
<td>(2,343,084)</td>
<td>—</td>
</tr>
<tr>
<td>Change in Foundation investment in 230 West 41st Street LLC</td>
<td>(5,020,539)</td>
<td>— 5,020,539</td>
<td>— 5,020,539</td>
<td>— 5,020,539</td>
</tr>
<tr>
<td>FEMA aid (note 8)</td>
<td>238,000</td>
<td>—</td>
<td>—</td>
<td>238,000</td>
</tr>
<tr>
<td>(Decrease) increase in net assets</td>
<td>(6,344,468)</td>
<td>(12,322,680) (5,020,539)</td>
<td>— (5,020,539)</td>
<td>(6,344,468) (5,059,182)</td>
</tr>
<tr>
<td>Net assets at beginning of year</td>
<td>5,827,282</td>
<td>—</td>
<td>—</td>
<td>5,827,282</td>
</tr>
<tr>
<td>Net assets at end of year</td>
<td>$ (517,186)</td>
<td>12,322,680 (12,322,680)</td>
<td>(517,186)</td>
<td>5,827,282</td>
</tr>
</tbody>
</table>

See accompanying notes to consolidated financial statements.
## Consolidated Statements of Cash Flows

**Years ended June 30, 2005 and 2004**

<table>
<thead>
<tr>
<th>Cash flows from operating activities:</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Decrease) Increase in net assets</td>
<td>$ (6,344,468)</td>
<td>5,059,182</td>
</tr>
</tbody>
</table>

Adjustments to reconcile (decrease) increase in net assets to net cash provided by operating activities:

- Depreciation and amortization        909,160       283,064
- Amortization of deferred costs       186,582       —
- Amortization of in place leases       2,560,671     —
- Amortization of above and below market leases  586,230     —
- Loss on lease termination            6,020,107     —
- Net (appreciation) depreciation in fair value investments  (175,617)  108,223

Changes in assets and liabilities:

- Decrease in grants, contracts, accounts, and rents receivable  245,923       5,653,870
- (Increase) decrease in prepaid expenses and other assets      (546,941)  331,432
- Increase in deferred rent receivable                          (1,697,661)  —
- (Decrease) increase in payables and accrued expenses, prepaid rent and security deposits  (2,608,742)  4,524,630
- Increase (decrease) in deferred revenue                      9,957,643     (5,389,228)
- (Decrease) increase in grants payable to CUNY                (416,589)  260,391
- Decrease in postretirement benefits payable                 (862,473)     (445,938)
- Increase in deposits held in custody for CUNY colleges       7,457,168     8,268,467
- Decrease in deposits held in custody for others              (2,051,508)  (723,844)

Net cash provided by operating activities  13,219,485       17,930,249

<table>
<thead>
<tr>
<th>Cash flows from investing activities:</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchases of fixed assets            (1,716,382)   (169,589)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Purchase of rental property and intangible assets  (60,850,200)  —
| Expenditures for rental property improvements  (6,742,122)  —
| Deposit of restricted cash            (7,854,341)   —
| Payment of deferred leasing costs     (43,900)       —
| Building deposit and deferred revenue  6,220,230     (3,434,230)
| Purchases of investments              (132,488,540) (109,165,030)
| Sales and maturity of investments     127,485,907   143,554,453

Net cash (used in) provided by investing activities  (75,989,348)  30,785,604

<table>
<thead>
<tr>
<th>Cash flows from financing activities:</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
</table>
| Borrowings under mortgage loan payable 62,000,000 —
| Rate lock fee paid                    —           (2,786,000)
| Payment for deferred financing costs  (1,894,655)  —

Net cash provided by (used in) financing activities  60,105,345  (2,786,000)

Net (decrease) increase in cash and cash equivalents (2,664,518)  45,929,853

<table>
<thead>
<tr>
<th>Cash and cash equivalents at beginning of year</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>75,812,926</td>
<td>29,883,073</td>
</tr>
</tbody>
</table>

Cash and cash equivalents at end of year  73,148,408   75,812,926

Supplemental cash flow disclosure:

Cash paid for interest  $ 3,539,305  —

See accompanying notes to consolidated financial statements.
Notes to Consolidated Financial Statements

1. ORGANIZATION AND PURPOSE
The Research Foundation of The City University of New York (the Foundation) was chartered in 1963 to provide post-award administration of sponsored programs for The City University of New York (the University or CUNY) and other not-for-profit organizations. The Foundation is a separate legal entity and is exempt from Federal income taxes under the provisions of Section 501(c)(3) of the Internal Revenue Code.

230 West 41st Street LLC (the LLC) was established as a Delaware limited liability company and organized pursuant to the Limited Liability Operating Agreement (the Agreement) dated July 14, 2004 between the Foundation (the Sole Member with a 100% interest in the LLC) and the LLC. The LLC was formed to acquire, own, and operate an approximately 300,000 square foot office building located at 230 West 41st Street in New York, New York (the Property) (note 11).

Single-member limited liability companies organized as provided under the Agreement do not exist for federal, state and local income tax purposes and, accordingly, income taxes have not been provided for in the accompanying consolidated financial statements.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES
a. Basis of Presentation
The accompanying financial statements, which consolidate the Foundation and the LLC (collectively, the Organization), are prepared on the accrual basis of accounting in accordance with standards established by the Financial Accounting Standards Board (FASB) for external financial reporting by not-for-profit organizations. All inter-company accounts and transactions have been eliminated in consolidation. The financial statements present balances and transactions according to the existence or absence of donor-imposed restrictions. Accordingly, net assets of the Organization and changes therein are classified and reported as follows:

Unrestricted net assets – Net assets that are not subject to donor-imposed restrictions. In addition, grants and contracts for the performance of certain services or functions are reported in the unrestricted net asset category.

Temporarily restricted net assets – Net assets subject to donor-imposed restrictions that will be met either by actions of the Organization or the passage of time. The Organization had no temporarily restricted net assets at June 30, 2005 and 2004.

Permanently restricted net assets – Net assets subject to donor-imposed restrictions stipulating that funds be maintained permanently by the Organization, but permit the Organization to expend part or all of the income derived therefrom. The Organization had no permanently restricted net assets at June 30, 2005 and 2004.

Revenues and gains and losses on investments and other assets are reported as changes in unrestricted net assets unless limited by explicit donor-imposed restrictions or by law. Expenses are reported as decreases in unrestricted net assets.

b. Grants and Contracts
Revenue from grants and contracts, awarded to and accepted by the Foundation and various units of the University, as joint grantees, primarily for research, training, and academic development programs, is recognized as earned, that is, as the related costs are incurred under the grant or contract agreements.

Facilities and administrative costs recovered on grants and contracts are recorded at rates established by the Foundation with its Federal cognizant agency, or predetermined by the non-Federal sponsor. Facilities and administrative cost rates for government grants and contracts are subject to audit, and subsequent final settlements, if any, are recorded as current period adjustments. Management believes the impact of any future settlements to be immaterial to the financial statements.
c. Use of Estimates
The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingencies at the date of the financial statements and the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates.

d. Cash Equivalents
Highly liquid debt instruments with maturities at date of purchase of three months or less are classified as cash equivalents, except for those short-term investments that are managed by an external investment manager for long-term investment purposes.

e. Investments
Investments are reported at fair value based upon quoted market prices. Realized and unrealized gains and losses on investments are reflected in the accompanying statements of activities.

f. Revenue Recognition
In accordance with Statement of Financial Accounting Standards No. 13, Accounting for Leases, base rent income relating to the LLC is recognized on a straight-line basis, rather than in accordance with lease payment schedules, for purposes of recognizing a constant annual rental income. Scheduled base rent increases and the effects of rent abatements are spread evenly over the terms of the respective leases. Differences between the straight-line rents recorded and the amounts actually received are included in deferred rent receivable. Allowances are provided for uncollectible amounts. Escalation revenue, percentage rent, and other income are recorded as earned on the accrual basis of accounting. The impact of the straight-line adjustment increased rental income by $1,697,661 in fiscal 2005.

g. Rental Property
Building and building improvements of the LLC are carried at cost and are depreciated using the straight-line method, over their estimated useful lives of 39 years or the life of the improvement, whichever is shorter. Significant renovations or improvements, which extend the economic life of the property, are capitalized. Expenditures for maintenance and repairs are expensed as incurred.

h. Fixed Assets
Furniture, fixtures, and equipment and leasehold improvements are stated at cost. Depreciation of furniture, fixtures, and equipment is computed on a straight-line basis, over the estimated useful lives of the assets, ranging from five to seven years. Amortization of leasehold improvements is computed on a straight-line basis, half year convention, over the estimated useful lives of the assets, not to exceed the remaining life of the lease.

Equipment purchased by the Foundation on behalf of various units of the University from grant and contract funds is to be used in the project for which it was purchased and is not included in the Foundation's fixed assets on the accompanying balance sheets.

i. Purchase Accounting for Acquisition of Real Estate
The fair value of the LLC's acquired rental property is allocated to the acquired tangible assets, consisting of land, building and identified intangible assets and liabilities, consisting of the value of above-market and below-market leases, other value of in-place leases and value of tenant relationships, based in each case on their fair values.

The fair value of the tangible assets of an acquired property (which includes land and building) is determined by valuing the property as if it were vacant, and the "as-if-vacant" value is then allocated to land and building based on the LLC's determination of relative fair values of these assets. Factors considered by the LLC in performing these analyses include
an estimate of carrying costs during the expected lease-up periods considering current market conditions and costs to execute similar leases. In estimating carrying costs, the LLC includes real estate taxes, insurance and other operating expenses and estimates of lost rental revenue during the expected lease-up periods based on current market demand. The LLC also estimates costs to execute similar leases including leasing commissions.

In allocating the fair value of the identified intangible assets and liabilities of an acquired property, above-market and below-market in-place lease values are recorded based on the difference between the current in-place lease rent and the LLC’s estimate of current market rents. Below-market lease intangibles are recorded as part of liabilities, and amortized into rental revenues over the noncancelable period of the respective leases. Above-market lease intangibles are recorded as part of assets and are amortized as a direct charge against rental revenues over the noncancelable periods of the respective leases.

The aggregate value of other acquired intangible assets, consisting of in-place leases and tenant relationships, is measured by the excess of (i) the purchase price paid for the property over (ii) the estimated fair value of the property as if vacant, determined as set forth above. This aggregate value is allocated between in-place lease values and tenant relationships based on management’s evaluation of the specific characteristics of each tenant’s lease. The value of in-place leases is amortized to expense over the remaining noncancelable periods of the respective leases.

The weighted average amortization period for value of in-place leases, above market leases and below market leases is approximately five years.

j. Deferred Leasing Costs
Deferred leasing costs, included in deferred costs, represent costs incurred in the successful negotiation of leases, including legal and brokerage fees paid to outside brokers. These costs are amortized on a straight-line basis over the terms of the related tenant lease.

k. Deferred Financing Costs
Deferred financing costs, included in deferred costs, were incurred in obtaining long-term financing for the LLC. Such costs are being amortized on a straight-line basis over the term of the related debt and are recorded as a component of interest expense.

l. Restricted Cash
Restricted cash includes amounts to be funded for tenant improvements, replacements and repairs, and leasing commissions as required by the LLC’s loan agreement.

m. Deposits Held in Custody for CUNY Colleges
Deposits held in custody for CUNY Colleges reflect those resources held on behalf of the individual colleges of the University. These deposits are credited with facilities and administrative cost recoveries and released time recoveries for the respective colleges.

Released time recoveries represent personal service costs for individuals on the various colleges’ payrolls who report effort under grants or contracts. When colleges replace an individual providing time and effort to sponsored projects, the Foundation processes payroll for these individuals or the school will process the payroll and the Foundation will reimburse the school. The reimbursement of personal service costs are reflected as deductions of deposits held in custody for others.

Facilities and administrative costs are considered recoveries of the specific colleges and, accordingly, are credited to deposits held in custody for CUNY Colleges.

n. Reclassifications
Certain 2004 amounts have been reclassified to conform to the 2005 presentation.
3. INVESTMENTS
Investments held by the Foundation consist of the following at June 30, 2005 and 2004:

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fair value</td>
<td>Cost</td>
</tr>
<tr>
<td>U.S Money Market</td>
<td>$ 4,503,582</td>
<td>$ 4,503,583</td>
</tr>
<tr>
<td>U.S. Treasury bills</td>
<td>14,868,265</td>
<td>14,791,110</td>
</tr>
<tr>
<td>U.S. Government agency obligations</td>
<td>20,822,800</td>
<td>20,655,205</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$ 40,194,647</strong></td>
<td><strong>$ 39,949,898</strong></td>
</tr>
<tr>
<td></td>
<td>Fair value</td>
<td>Cost</td>
</tr>
<tr>
<td>U.S Money Market</td>
<td>$ 3,616,057</td>
<td>$ 3,616,057</td>
</tr>
<tr>
<td>U.S. Treasury bills</td>
<td>16,455,690</td>
<td>16,416,596</td>
</tr>
<tr>
<td>U.S. Government agency obligations</td>
<td>14,944,650</td>
<td>14,914,609</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$ 35,016,397</strong></td>
<td><strong>$ 34,947,262</strong></td>
</tr>
</tbody>
</table>

Components of investment return, including interest on cash and cash equivalents, are as follows for the years ended June 30:

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interest</td>
<td>$ 2,083,980</td>
<td>$ 1,337,866</td>
</tr>
<tr>
<td>Net appreciation (depreciation) in fair value of investments</td>
<td>$ 175,617</td>
<td>$(108,223)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$ 2,259,597</strong></td>
<td><strong>$ 1,229,643</strong></td>
</tr>
</tbody>
</table>

4. PENSION AND OTHER RETIREMENT BENEFITS
Eligible employees of the Foundation and certain project personnel are covered under a defined contribution pension plan established with Teachers Insurance and Annuity Association (TIAA). The Foundation’s contribution to the pension plan is based on specified percentages, ranging from 8% to 14%, of each employee’s annual salary. Total pension expense for the years ended June 30, 2005 and 2004 was approximately $7,701,000 and $7,114,000, respectively. There are no unfunded past service costs.

In addition to providing pension benefits, the Foundation also provides postemployment benefits, including salary continuance, to certain employees. The cost of these benefits is accrued over the employees’ years of service. Postemployment benefits liability included in accounts payable and accrued expenses was approximately $753,000 in 2005 and $673,000 in 2004.

The Foundation also provides certain healthcare benefits to retired employees (including eligible dependents) who have a combination of age and years of service equal to 70 with a minimum age of 55 and at least ten years of continuous service.

The Foundation accounts for postretirement medical and other nonpension benefits provided to retirees on an accrual basis during the period of their employment.

The Foundation charges grants and contracts, as well as the administrative services department for postretirement benefit costs through the application of a fringe benefit rate, an element of which is based upon the estimated amount of such costs. In addition, a charge or credit is recognized in administrative services expenses for the difference between the actuarially determined net periodic postretirement benefit cost and the amount funded (claims paid and contributions to the trust).
The following table sets forth the plan's funded status reconciled with the amounts shown in the Foundation's balance sheets as of June 30, 2005 and 2004:

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benefit obligation</td>
<td>(55,714,067)</td>
<td>(48,187,314)</td>
</tr>
<tr>
<td>Fair value of plan assets</td>
<td>22,481,662</td>
<td>16,685,848</td>
</tr>
<tr>
<td>Funded status as of June 30</td>
<td>(33,232,405)</td>
<td>(31,501,466)</td>
</tr>
<tr>
<td>Unrecognized transition obligation</td>
<td>9,694,876</td>
<td>10,452,289</td>
</tr>
<tr>
<td>Unrecognized net loss</td>
<td>12,909,596</td>
<td>10,337,812</td>
</tr>
<tr>
<td>Unrecognized prior service credit</td>
<td>(7,264,848)</td>
<td>(8,043,889)</td>
</tr>
<tr>
<td>Accrued liability</td>
<td>(17,892,781)</td>
<td>(18,755,254)</td>
</tr>
</tbody>
</table>

Postretirement benefit costs for 2005 and 2004 included the following components:

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service cost</td>
<td>$ 3,437,894</td>
<td>$ 3,386,958</td>
</tr>
<tr>
<td>Interest cost</td>
<td>2,957,904</td>
<td>2,677,793</td>
</tr>
<tr>
<td>Amortization of transition obligation over 22.8 years</td>
<td>757,413</td>
<td>757,413</td>
</tr>
<tr>
<td>Amortization of prior service credit</td>
<td>(779,041)</td>
<td>(779,041)</td>
</tr>
<tr>
<td>Amortization of unrecognized net loss</td>
<td>304,856</td>
<td>350,450</td>
</tr>
<tr>
<td>Expected return on plan assets</td>
<td>(1,049,722)</td>
<td>(764,213)</td>
</tr>
<tr>
<td>Net periodic postretirement benefit cost</td>
<td>$ 5,629,304</td>
<td>$ 5,629,360</td>
</tr>
</tbody>
</table>

The weighted average assumptions used in determining the accumulated postretirement benefit obligation as of June 30, were as follows:

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discount rate</td>
<td>5.25%</td>
<td>6.25%</td>
</tr>
<tr>
<td>Expected return on assets</td>
<td>5.50</td>
<td>5.50</td>
</tr>
</tbody>
</table>

The weighted average assumption used in determining the net periodic postretirement benefit cost for the years ended June 30, 2005 and 2004 were as follows:

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discount rate</td>
<td>6.25%</td>
<td>6.00%</td>
</tr>
<tr>
<td>Expected return on assets</td>
<td>5.50</td>
<td>5.50</td>
</tr>
</tbody>
</table>

For measurement purposes, healthcare costs other than Medicare Part B were assumed to increase 7.5% and 8.0% for the years ended 2005 and 2004, respectively, and to decrease 0.5% per year until 2010 and remain at 5% thereafter. Medicare Part B costs were assumed to increase 4% annually.
The postretirement plan’s weighted average asset allocations at June 30, 2005 and 2004 by asset category are as follows:

<table>
<thead>
<tr>
<th>Asset Category</th>
<th>Target allocation</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equity securities</td>
<td>20–30%</td>
<td>31.0%</td>
<td>25.6%</td>
</tr>
<tr>
<td>Debt securities</td>
<td>70–80%</td>
<td>69.0</td>
<td>68.0</td>
</tr>
<tr>
<td>Money market</td>
<td>0–5%</td>
<td>—</td>
<td>6.4</td>
</tr>
</tbody>
</table>

For the years ended June 30, 2005 and 2004, the Foundation made contributions to the plan of $4,800,000. In addition, for the years ended June 30, 2005 and 2004, the Foundation paid claims of approximately $1,692,000 and $1,275,000, respectively. The Foundation expects to contribute or pay claims aggregating $6,800,000 in fiscal 2006.

The following benefit payments, which reflect expected future service, as appropriate, are expected to be paid:

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>$2,014,331</td>
</tr>
<tr>
<td>2007</td>
<td>2,228,219</td>
</tr>
<tr>
<td>2008</td>
<td>2,480,826</td>
</tr>
<tr>
<td>2009</td>
<td>2,779,075</td>
</tr>
<tr>
<td>2010</td>
<td>3,117,875</td>
</tr>
<tr>
<td>Years 2011–2014</td>
<td>22,408,378</td>
</tr>
</tbody>
</table>

The Medicare Prescription Drug, Improvement, and Modernization Act of 2003 established a prescription drug benefit known as "Medicare Part D." In addition, this act established a federal subsidy to sponsors of retiree healthcare benefit plans that provide a drug benefit that is at least actuarially equivalent to Medicare Part D. As a sponsor, the Foundation expects to collect this subsidy beginning in 2006. This subsidy reduced the accumulated post-retirement benefit obligation (APBO) as of June 30, 2005 by approximately $5.1 million and is expected to reduce the annual expense beginning in 2006.

5. DEFERRED REVENUE

At June 30, 2005 and 2004, cash advances for grants and contracts are for the following projects:

<table>
<thead>
<tr>
<th>Project</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research</td>
<td>$9,490,059</td>
<td>10,363,653</td>
</tr>
<tr>
<td>Training</td>
<td>16,843,482</td>
<td>14,814,037</td>
</tr>
<tr>
<td>Academic development</td>
<td>21,597,410</td>
<td>18,458,526</td>
</tr>
<tr>
<td>Student services</td>
<td>13,984,591</td>
<td>6,243,691</td>
</tr>
<tr>
<td>Other</td>
<td>2,425,522</td>
<td>4,503,514</td>
</tr>
<tr>
<td>Total</td>
<td>$64,341,064</td>
<td>54,383,421</td>
</tr>
</tbody>
</table>

6. COMMITMENTS

Rental Expenses Under Operating Leases

During 2005, the Foundation re-located its headquarters from 555 West 57th Street to 230 West 41st Street (note 13). However, the Foundation is obligated under noncancelable operating leases at 555 West 57th Street as follows:
Notes to Consolidated Financial Statements

Year ending June 30:

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>$1,653,405</td>
</tr>
<tr>
<td>2007</td>
<td>918,677</td>
</tr>
<tr>
<td>2008</td>
<td>943,941</td>
</tr>
<tr>
<td>2009</td>
<td>969,899</td>
</tr>
<tr>
<td>2010</td>
<td>996,571</td>
</tr>
<tr>
<td>Thereafter</td>
<td>1,282,276</td>
</tr>
<tr>
<td></td>
<td>$6,764,769</td>
</tr>
</tbody>
</table>

Rent expense for the years ended June 30, 2005 and 2004 was $1,705,050 and $1,613,635, respectively.

The Foundation recorded a loss of $1,925,116 on the termination of the leases. In addition, the Foundation recorded a loss of $417,968 on the disposal of associated leasehold improvements.

Rental Income Under Operating Leases
Future minimum rental payments under the noncancelable portion of the LLC’s operating leases, exclusive of the lease with the Foundation, are as follows:

<table>
<thead>
<tr>
<th>Year ending June 30</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>$6,252,286</td>
</tr>
<tr>
<td>2007</td>
<td>5,934,461</td>
</tr>
<tr>
<td>2008</td>
<td>5,642,122</td>
</tr>
<tr>
<td>2009</td>
<td>5,310,372</td>
</tr>
<tr>
<td>2010</td>
<td>4,948,733</td>
</tr>
<tr>
<td>Thereafter</td>
<td>40,921,851</td>
</tr>
<tr>
<td></td>
<td>$69,009,825</td>
</tr>
</tbody>
</table>

Pursuant to the individual tenant leases, the tenants pay the allocable share of the costs of operating the 230 West 41st Street property, including real estate taxes, certain insurance premiums, and other expenses which are not included above.

7. FAIR VALUE OF FINANCIAL INSTRUMENTS
The carrying amounts of cash equivalents, grants, contracts and accounts receivable, accounts payable and accrued expenses, and deposits held in custody for CUNY Colleges and others approximate fair value due to the short maturity of these financial instruments.

The carrying amount of the mortgage loan payable approximates fair value because the loan bears interest at a rate which are not significantly different than current market rates for loans with similar maturities and credit quality.

8. EVENTS OF SEPTEMBER 11, 2001
The events of September 11, 2001 resulted in operational disruptions and facilities damage, causing the Foundation to relocate its operations. The Foundation received additional FEMA aid in the amount of $238,000 in fiscal year 2005.
9. DEPOSITS HELD IN CUSTODY FOR OTHERS
During fiscal 2003, the Foundation entered into a fee-for-service agreement with the September 11 Fund to administer payments to designated service providers and training providers for employment assistance services, as well as to make support payments to eligible individuals who lost their jobs and/or experienced a substantial reduction in earnings as a result of the September 11, 2001 terrorist attack. Total funds administered by the Foundation on behalf of the September 11 Fund amounted to over $75.8 million. These funds were agency in nature and, accordingly, were excluded from the statement of activities. All cash received from the September 11 Fund was disbursed by June 30, 2005.

10. GRANTS TO CUNY FOR CENTRAL RESEARCH INITIATIVES
In both fiscal 2005 and 2004, the Foundation approved a grant of $3,500,000 to CUNY for central research initiatives.

11. PURCHASE OF RENTAL PROPERTY
On July 14, 2004, the LLC purchased 230 West 41st Street from a third party for approximately $60,850,200, including closing costs. The purchase price was paid with equity from the Foundation of approximately $16,800,000 and borrowings from a mortgage loan (note 12). The property consists of approximately 300,000 square feet of rentable retail and office space and, as of June 30, 2005, was approximately 84% occupied.

Rental property consists of the following at June 30, 2005:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land</td>
<td>$ 9,037,040</td>
</tr>
<tr>
<td>Building</td>
<td>36,149,160</td>
</tr>
<tr>
<td>Building improvements</td>
<td>2,541,461</td>
</tr>
<tr>
<td>Tenant improvements</td>
<td>4,200,662</td>
</tr>
<tr>
<td>Total</td>
<td>51,928,323</td>
</tr>
<tr>
<td>Accumulated depreciation</td>
<td>(496,033)</td>
</tr>
<tr>
<td>Rental property, net</td>
<td>$ 51,432,290</td>
</tr>
</tbody>
</table>

In addition to the above acquired tangible assets, the purchase price also includes identified intangible assets and liabilities, consisting of the value of above-market ($5,771,000), below-market ($458,000) leases and other value of in-place leases ($10,351,000), based in each case on their fair values.

12. MORTGAGE LOAN PAYABLE
On July 11, 2004, the LLC entered into a mortgage loan (the Loan) with a principal amount of $62 million, which matures in July 2014. The Loan bears interest at a rate of 6.19% and is payable in monthly installments of interest only through August 2006; thereafter, principal and interest payments are due in equal monthly installments of $379,328. A balloon payment is due at maturity consisting of unpaid principal and accrued and unpaid interest.

At June 30, 2005, future minimum principal payments are as follows:

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>$ 563,136</td>
</tr>
<tr>
<td>2008</td>
<td>660,838</td>
</tr>
<tr>
<td>2009</td>
<td>660,838</td>
</tr>
<tr>
<td>2010</td>
<td>660,838</td>
</tr>
<tr>
<td>2011</td>
<td>660,838</td>
</tr>
<tr>
<td>Thereafter</td>
<td>58,793,512</td>
</tr>
<tr>
<td></td>
<td>$62,000,000</td>
</tr>
</tbody>
</table>
Notes to Consolidated Financial Statements

The Loan is secured by the property (230 West 41st Street) and assignment of rents and other payments from the tenants.

The Loan is subject to certain restrictive financial covenants, including limitations on the incurrence of additional indebtedness. Management believes the LLC is in compliance with all covenants at June 30, 2005. The Loan is subject to certain prepayment penalties if it is repaid prior to its maturity date.

The LLC was required to maintain a letter of credit with an initial value of $8 million collateralized by cash for tenant improvements. The balance on this letter of credit at June 30, 2005 was approximately $4.9 million and the cash collateral in a like amount is included in restricted cash on the accompanying balance sheet. Also included in restricted cash is approximately $3 million of amounts to be funded for replacements and repairs, and leasing commissions as required by the loan agreement.

13. RELATED PARTY TRANSACTIONS
The Foundation entered into an agreement with The City University of New York (CUNY), a tenant in the building, to sublease 66,867 of CUNY’s 152,545 square feet of space. The CUNY lease agreement, which expires in June 2017, is at a rate of $33 per square foot with 2.5% increases effective annually. The Foundation’s sublease agreement has the same rate and terms. For the year ended June 30, 2005, $5,543,537 of rental income was earned from CUNY.

14. LEASE TERMINATIONS
Two of the LLC’s tenants terminated their leases in 2005. One tenant paid the LLC a lease cancellation fee of $580,000. The LLC wrote off intangible and other lease related assets related to these tenants totaling $3,677,023. The loss on lease termination is presented net of the cancellation fee received on the accompanying statement of activities.

15. Property Management Fees
In July 2004, the LLC entered into a management agreement with GVA Williams to manage and provide leasing services to the property for one year, at which time it will be automatically renewed on a month-to-month basis until terminated by either party giving written notice of termination. The agreement provides that the LLC will pay a management fee of $70,800 per year for years one through three and $73,200 per year for years four through six. Such expenses are included in operating expenses in the statement of activities. Additionally, the LLC will pay the property manager a commission in accordance with the terms of the management agreement if the property manager procures a new lease or an extension, renewal or expansion of an existing lease for space in the property during the term of this agreement.
## Grants and Contracts Expenses by Funding Source
### Years ended June 30, 2005 and 2004

<table>
<thead>
<tr>
<th>Source</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Governmental grants and contracts:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>$17,803,612</td>
<td>$17,696,365</td>
</tr>
<tr>
<td>Department of Health and Human Services</td>
<td>41,375,615</td>
<td>42,127,026</td>
</tr>
<tr>
<td>Department of Education</td>
<td>23,395,064</td>
<td>26,039,175</td>
</tr>
<tr>
<td>Other Federal sponsors</td>
<td>18,042,279</td>
<td>17,704,929</td>
</tr>
<tr>
<td>State sponsors</td>
<td>41,554,682</td>
<td>40,053,756</td>
</tr>
<tr>
<td>Municipal sponsors</td>
<td>87,426,127</td>
<td>81,848,067</td>
</tr>
<tr>
<td>Total governmental grants and contracts</td>
<td>$229,597,379</td>
<td>$225,469,318</td>
</tr>
<tr>
<td><strong>Private grants and contracts:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corporations</td>
<td>3,205,917</td>
<td>3,841,410</td>
</tr>
<tr>
<td>Foundations</td>
<td>9,804,158</td>
<td>10,175,629</td>
</tr>
<tr>
<td>Other private</td>
<td>28,174,612</td>
<td>37,550,503</td>
</tr>
<tr>
<td>Total private grants and contracts</td>
<td>41,184,687</td>
<td>51,567,542</td>
</tr>
<tr>
<td><strong>CUNY grants and contracts</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSC-CUNY research award program</td>
<td>3,601,594</td>
<td>3,156,075</td>
</tr>
<tr>
<td>CUNY miscellaneous</td>
<td>23,781,081</td>
<td>21,301,707</td>
</tr>
<tr>
<td>Total CUNY grants and contracts</td>
<td>27,382,675</td>
<td>24,457,782</td>
</tr>
<tr>
<td>Total grants and contracts</td>
<td>$298,164,741</td>
<td>$301,494,642</td>
</tr>
</tbody>
</table>

*Research Foundation Supplemental Financial Statements
(Not part of the independent audited financial statements)*
## Distribution of Grants and Contracts Expenses

**Years ended June 30, 2005 and 2004**

### FEDERAL AWARDS:

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>Percentage of total direct income</th>
<th>2004</th>
<th>Percentage of total direct income</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Direct costs:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research programs</td>
<td>$ 45,950,695</td>
<td>55.87%</td>
<td>$ 45,186,168</td>
<td>52.87%</td>
</tr>
<tr>
<td>Training programs</td>
<td>11,349,080</td>
<td>13.80%</td>
<td>11,648,867</td>
<td>13.63%</td>
</tr>
<tr>
<td>Academic development programs</td>
<td>16,057,630</td>
<td>19.52%</td>
<td>19,665,829</td>
<td>23.01%</td>
</tr>
<tr>
<td>Student services programs</td>
<td>7,566,257</td>
<td>9.20%</td>
<td>8,221,682</td>
<td>9.62%</td>
</tr>
<tr>
<td>Other programs</td>
<td>1,323,957</td>
<td>1.61%</td>
<td>741,066</td>
<td>0.87%</td>
</tr>
<tr>
<td>Total direct costs</td>
<td>82,247,619</td>
<td>100.00%</td>
<td>85,463,612</td>
<td>100.00%</td>
</tr>
</tbody>
</table>

|                         |                     | Overhead rate                     |                           |                                   |
|-------------------------|---------------------|-----------------------------------|---------------------------|                                   |
| Indirect costs:         |                     |                                   |                           |                                   |
| Research programs       | 15,195,438          | 33.07%                            | 14,798,486                | 32.75%                            |
| Training programs       | 1,097,919           | 9.67%                             | 895,514                   | 7.69%                             |
| Academic development programs | 1,466,831           | 9.13%                             | 1,843,834                 | 9.38%                             |
| Student services programs | 548,772             | 7.25%                             | 550,452                   | 6.70%                             |
| Other programs          | 59,991              | 4.53%                             | 11,748                    | 1.59%                             |
| Total indirect costs    | 18,368,951          | 22.33%                            | 18,100,034                | 21.18%                            |
| Total grants and contracts | $ 100,616,570        |                                   | $ 103,563,646             |                                   |

### NON-FEDERAL AWARDS:

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>Percentage of total direct income</th>
<th>2004</th>
<th>Percentage of total direct income</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Direct costs:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research programs</td>
<td>$ 23,736,138</td>
<td>12.83%</td>
<td>$ 27,535,059</td>
<td>14.95%</td>
</tr>
<tr>
<td>Training programs</td>
<td>101,512,940</td>
<td>54.88%</td>
<td>94,615,468</td>
<td>51.36%</td>
</tr>
<tr>
<td>Academic development programs</td>
<td>43,858,869</td>
<td>23.71%</td>
<td>48,183,761</td>
<td>26.15%</td>
</tr>
<tr>
<td>Student services programs</td>
<td>11,074,678</td>
<td>5.99%</td>
<td>7,679,841</td>
<td>4.17%</td>
</tr>
<tr>
<td>Other programs</td>
<td>4,781,913</td>
<td>2.59%</td>
<td>6,215,933</td>
<td>3.37%</td>
</tr>
<tr>
<td>Total direct costs</td>
<td>184,964,538</td>
<td>100.00%</td>
<td>184,230,062</td>
<td>100.00%</td>
</tr>
</tbody>
</table>

|                         |                     | Overhead rate                     |                           |                                   |
|-------------------------|---------------------|-----------------------------------|---------------------------|                                   |
| Indirect costs:         |                     |                                   |                           |                                   |
| Research programs       | 2,927,006           | 12.33%                            | 3,712,211                 | 13.48%                            |
| Training programs       | 6,601,417           | 6.50%                             | 7,066,326                 | 7.47%                             |
| Academic development programs | 2,151,792           | 4.91%                             | 2,374,763                 | 4.93%                             |
| Student services programs | 693,046             | 6.26%                             | 432,891                   | 5.64%                             |
| Other programs          | 210,372             | 4.40%                             | 114,743                   | 1.85%                             |
| Total indirect costs    | 12,583,633          | 6.80%                             | 13,700,934                | 7.44%                             |
| Total grants and contracts | $ 197,548,171        |                                   | $ 197,930,996             |                                   |

### Total Grants and Contracts Expenses

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th></th>
<th>2004</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Grants and</td>
<td>$ 298,164,741</td>
<td>$ 301,494,642</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

Research programs – costs incurred for all research and development activities that are conducted in research centers and institutes.

Training programs – costs incurred for conducting nonstudent training programs.

Academic development programs – costs incurred in support of academic activities and program development.

Student services programs – costs incurred for the administration of student affairs and services for students.

Other programs – costs incurred for general purpose/equipment grants.
Budget Categories of Grants and Contracts Expenses  
Years ended June 30, 2005 and 2004

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal services:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salaries and wages</td>
<td>$140,460,181</td>
<td>$136,911,529</td>
</tr>
<tr>
<td>Staff benefits</td>
<td>$37,303,257</td>
<td>$35,248,652</td>
</tr>
<tr>
<td>Total personal services</td>
<td>$177,763,438</td>
<td>$172,160,181</td>
</tr>
<tr>
<td><strong>Other than personal services:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplies</td>
<td>$10,911,798</td>
<td>$11,819,770</td>
</tr>
<tr>
<td>Telephone and communications</td>
<td>$192,567</td>
<td>$255,396</td>
</tr>
<tr>
<td>Postage and shipping</td>
<td>$278,271</td>
<td>$594,715</td>
</tr>
<tr>
<td>Occupancy</td>
<td>$3,882,800</td>
<td>$3,195,275</td>
</tr>
<tr>
<td>Printing and publications</td>
<td>$507,521</td>
<td>$505,972</td>
</tr>
<tr>
<td>Travel</td>
<td>$4,432,997</td>
<td>$4,447,640</td>
</tr>
<tr>
<td>Conferences and meetings</td>
<td>$2,115,787</td>
<td>$1,615,656</td>
</tr>
<tr>
<td>Independent contractors</td>
<td>$6,030,847</td>
<td>$4,438,394</td>
</tr>
<tr>
<td>Equipment and furniture</td>
<td>$6,797,694</td>
<td>$6,634,550</td>
</tr>
<tr>
<td>Equipment rental and maintenance</td>
<td>$916,701</td>
<td>$1,163,534</td>
</tr>
<tr>
<td>Scholarships, fellowships, and training allowance</td>
<td>$36,230,006</td>
<td>$40,947,755</td>
</tr>
<tr>
<td>Fund-raising</td>
<td>$62,549</td>
<td>$59,414</td>
</tr>
<tr>
<td>Professional fees</td>
<td>(704)</td>
<td>$33,864</td>
</tr>
<tr>
<td>Subcontracts</td>
<td>$10,874,722</td>
<td>$15,416,960</td>
</tr>
<tr>
<td>Child Care subsidies</td>
<td>$1,456,417</td>
<td>$1,112,831</td>
</tr>
<tr>
<td>Advertising</td>
<td>$98,259</td>
<td>$104,875</td>
</tr>
<tr>
<td>Administrative fees</td>
<td>$3,744,783</td>
<td>$3,095,226</td>
</tr>
<tr>
<td>Other</td>
<td>$915,704</td>
<td>$2,091,666</td>
</tr>
<tr>
<td>Subtotal</td>
<td>$89,448,719</td>
<td>$97,533,493</td>
</tr>
<tr>
<td>Facilities and administrative costs reimbursements</td>
<td>$30,952,584</td>
<td>$31,800,968</td>
</tr>
<tr>
<td>Total other than personal services</td>
<td>$120,401,303</td>
<td>$129,334,461</td>
</tr>
<tr>
<td>Total grants and contracts expenses</td>
<td>$298,164,741</td>
<td>$301,494,642</td>
</tr>
</tbody>
</table>
## Schedule of Operating Income

*Years ended June 30, 2005 and 2004*

### Revenues collected from:

<table>
<thead>
<tr>
<th>Source</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative fees:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administrative fees - fixed rate</td>
<td>$18,683,873</td>
<td>$18,595,439</td>
</tr>
<tr>
<td>Accrual of administrative fee revenue</td>
<td>(945,852)</td>
<td>1,327,871</td>
</tr>
<tr>
<td>PSC-CUNY</td>
<td>330,899</td>
<td>330,899</td>
</tr>
<tr>
<td>Direct fees</td>
<td>1,606,628</td>
<td>1,081,230</td>
</tr>
<tr>
<td>September 11 administrative fee revenue</td>
<td>141,508</td>
<td>907,060</td>
</tr>
<tr>
<td><strong>Total administrative fees</strong></td>
<td><strong>19,817,056</strong></td>
<td><strong>22,242,499</strong></td>
</tr>
<tr>
<td>Interest income</td>
<td>2,083,980</td>
<td>1,337,866</td>
</tr>
<tr>
<td>Net (depreciation) appreciation in fair value of investments</td>
<td>175,617</td>
<td>(108,223)</td>
</tr>
<tr>
<td>Federal Emergency Mgmt. Agency (FEMA) aid</td>
<td>238,000</td>
<td>—</td>
</tr>
<tr>
<td>Miscellaneous Income</td>
<td>8,396</td>
<td>15,005</td>
</tr>
<tr>
<td><strong>Total income</strong></td>
<td><strong>22,323,049</strong></td>
<td><strong>23,487,147</strong></td>
</tr>
</tbody>
</table>

### Revenues allocated to:

**Initial allocations:**

<table>
<thead>
<tr>
<th>Source</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFCO expenses</td>
<td>(15,806,862)</td>
<td>(12,632,412)</td>
</tr>
<tr>
<td>Central allocation budget reserve</td>
<td>(3,500,000)</td>
<td>(3,500,000)</td>
</tr>
<tr>
<td>September 11 Fund expense</td>
<td>(169,702)</td>
<td>(617,038)</td>
</tr>
<tr>
<td>Contingency fund reserve</td>
<td>(100,000)</td>
<td>(100,000)</td>
</tr>
<tr>
<td>Employee termination reserve</td>
<td>(75,000)</td>
<td>(100,000)</td>
</tr>
<tr>
<td>Legal reserve</td>
<td>(500,000)</td>
<td>(500,000)</td>
</tr>
<tr>
<td>Foundation working capital reserve</td>
<td>(750,000)</td>
<td>(600,000)</td>
</tr>
<tr>
<td>Support for University-wide sponsored program insurance</td>
<td>(755,000)</td>
<td>(664,456)</td>
</tr>
<tr>
<td>Workflow and new systems implementation reserve</td>
<td>(87,500)</td>
<td>(87,500)</td>
</tr>
<tr>
<td>Reserve for hr/payroll application placement</td>
<td>(125,000)</td>
<td>(125,000)</td>
</tr>
<tr>
<td>Off-site recovery reserve</td>
<td>(100,000)</td>
<td>(100,000)</td>
</tr>
<tr>
<td>Plant fund</td>
<td>(71,250)</td>
<td>(71,250)</td>
</tr>
<tr>
<td>Interest distributed to colleges</td>
<td>(1,755,463)</td>
<td>(1,024,446)</td>
</tr>
<tr>
<td>Interest distributed to RFCUNY</td>
<td>(328,517)</td>
<td>(313,420)</td>
</tr>
<tr>
<td>(Gain) loss on investments</td>
<td>(175,617)</td>
<td>108,223</td>
</tr>
<tr>
<td>RFCO internal funds</td>
<td>(8,306)</td>
<td>(14,092)</td>
</tr>
</tbody>
</table>

**Mid-year allocations:**

<table>
<thead>
<tr>
<th>Source</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>230 West 41st Street LLC</td>
<td>(1,908,489)</td>
<td>(8,205,601)</td>
</tr>
<tr>
<td>University-wide insurance – FY05</td>
<td>(29,598)</td>
<td>(52,878)</td>
</tr>
<tr>
<td>Faculty Senate</td>
<td>—</td>
<td>10,000</td>
</tr>
<tr>
<td>Funding from excess cash reserve</td>
<td>822,343</td>
<td>—</td>
</tr>
<tr>
<td><strong>Total deductions to administrative fee reserve</strong></td>
<td>(25,423,961)</td>
<td>(28,589,870)</td>
</tr>
<tr>
<td>Decrease to administrative fee reserve</td>
<td>(3,100,912)</td>
<td>(5,102,723)</td>
</tr>
<tr>
<td>Administrative fee reserve at beginning of year</td>
<td>(1,350,852)</td>
<td>3,751,871</td>
</tr>
<tr>
<td><strong>Administrative fee reserve at end of year</strong></td>
<td><strong>$ (4,451,764)</strong></td>
<td><strong>(1,350,852)</strong></td>
</tr>
</tbody>
</table>
## Reconciliation of Administrative Fee Expenditures

**Years ended June 30, 2005 and 2004**

<table>
<thead>
<tr>
<th>Item</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total RFCO expenditures from operating budget</td>
<td>$15,806,862</td>
<td>$12,632,412</td>
</tr>
<tr>
<td>Less income used to offset expenditures:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSC-CUNY administrative fees</td>
<td>$(330,899)</td>
<td>$(330,899)</td>
</tr>
<tr>
<td>Direct fees from non-CUNY clients</td>
<td>$(1,606,628)</td>
<td>$(1,081,230)</td>
</tr>
<tr>
<td>Other Income</td>
<td>$(90)</td>
<td>$(913)</td>
</tr>
<tr>
<td>Federal Emergency Mgmt. Agency (FEMA)</td>
<td>$(238,000)</td>
<td>—</td>
</tr>
<tr>
<td>September 11 administrative fees</td>
<td>—</td>
<td>$(290,022)</td>
</tr>
<tr>
<td>Total RF central office expenditures funded from administrative fees</td>
<td>$(2,175,617)</td>
<td>$(1,703,064)</td>
</tr>
<tr>
<td>plus reserve fund allocations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Central allocation budget reserve</td>
<td>$3,500,000</td>
<td>$3,490,000</td>
</tr>
<tr>
<td>University-wide insurance</td>
<td>$755,000</td>
<td>$664,456</td>
</tr>
<tr>
<td>Contingency fund reserve</td>
<td>$100,000</td>
<td>$100,000</td>
</tr>
<tr>
<td>Employee termination reserve</td>
<td>$75,000</td>
<td>$100,000</td>
</tr>
<tr>
<td>Foundation working capital reserve</td>
<td>$750,000</td>
<td>$600,000</td>
</tr>
<tr>
<td>Legal reserve</td>
<td>$500,000</td>
<td>$500,000</td>
</tr>
<tr>
<td>Plant fund</td>
<td>$71,250</td>
<td>$71,250</td>
</tr>
<tr>
<td>Workflow and new systems implementation reserve</td>
<td>$87,500</td>
<td>$87,500</td>
</tr>
<tr>
<td>Reserve for hr/payroll application placement</td>
<td>$125,000</td>
<td>$125,000</td>
</tr>
<tr>
<td>Off-site recovery reserve</td>
<td>$100,000</td>
<td>$100,000</td>
</tr>
<tr>
<td>September 11 administrative fees</td>
<td>$28,194</td>
<td>—</td>
</tr>
<tr>
<td>Computed amount of administrative fee expenditures</td>
<td>$19,723,189</td>
<td>$16,767,554</td>
</tr>
<tr>
<td>Amount reported as administrative fee expenditure</td>
<td>$19,723,189</td>
<td>$16,767,554</td>
</tr>
<tr>
<td>Variance</td>
<td>$(0)</td>
<td>$(0)</td>
</tr>
</tbody>
</table>
Schedule of Changes in Deposits Held in Custody for CUNY Colleges
Years ended June 30, 2005 and 2004

Additions:

<table>
<thead>
<tr>
<th>Facilities and administrative cost recoveries:</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>From sponsored programs</td>
<td>$30,952,584</td>
<td>31,800,968</td>
</tr>
<tr>
<td>From internal programs (college directed fees)</td>
<td>1,952,656</td>
<td>1,772,552</td>
</tr>
<tr>
<td>Released time recoveries</td>
<td>11,806,440</td>
<td>11,763,574</td>
</tr>
<tr>
<td>Summer salary recoveries</td>
<td>10,018,592</td>
<td>10,071,367</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>54,730,272</strong></td>
<td><strong>55,408,461</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transfers from unrestricted net assets:</th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transfer from unrestricted fund</td>
<td>—</td>
<td>81,434</td>
</tr>
<tr>
<td>Other income</td>
<td>545,045</td>
<td>480,394</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>545,045</strong></td>
<td><strong>561,828</strong></td>
</tr>
</tbody>
</table>

| Interest income                               | 1,755,463  | 1,034,446  |
| **Total additions**                           | **57,030,780** | **57,004,735** |

Deductions:

| Administrative fee paid to RFCUNY              | 18,683,873 | 18,595,439 |

<table>
<thead>
<tr>
<th>Campus-based expenses:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructional</td>
<td>582,765</td>
<td>329,783</td>
</tr>
<tr>
<td>Research projects</td>
<td>5,463,421</td>
<td>2,655,001</td>
</tr>
<tr>
<td>Academic support</td>
<td>7,727,902</td>
<td>10,366,457</td>
</tr>
<tr>
<td>Student Services</td>
<td>198,322</td>
<td>187,832</td>
</tr>
<tr>
<td>Institutional Management</td>
<td>6,208,688</td>
<td>4,609,538</td>
</tr>
<tr>
<td>Business and Finance</td>
<td>590,494</td>
<td>790,638</td>
</tr>
<tr>
<td>Physical Plant</td>
<td>223,414</td>
<td>847,050</td>
</tr>
<tr>
<td>Public Services</td>
<td>105,212</td>
<td>307,259</td>
</tr>
<tr>
<td>Replacement cost</td>
<td>1,341,330</td>
<td>1,174,203</td>
</tr>
<tr>
<td>Summer Salary Reimbursement to Colleges</td>
<td>9,961,791</td>
<td>7,830,021</td>
</tr>
<tr>
<td>Advance/(Return) to colleges</td>
<td>(13,600)</td>
<td>1,043,047</td>
</tr>
<tr>
<td>Bad debt (recovery) expense</td>
<td>(1,500,000)</td>
<td>—</td>
</tr>
<tr>
<td><strong>Total deductions</strong></td>
<td><strong>49,573,612</strong></td>
<td><strong>48,736,268</strong></td>
</tr>
<tr>
<td><strong>Net (decrease) increase for the year</strong></td>
<td><strong>7,457,168</strong></td>
<td><strong>8,268,467</strong></td>
</tr>
</tbody>
</table>

Deposits held in custody for CUNY colleges:

| Beginning of year                             | 42,456,859 | 34,188,392 |
| End of year                                   | $49,914,027 | 42,456,859 |
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Senior Vice President  
Regeneron Pharmaceuticals, Inc.

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