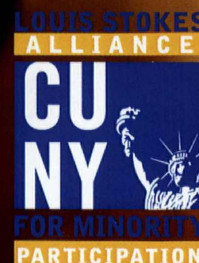
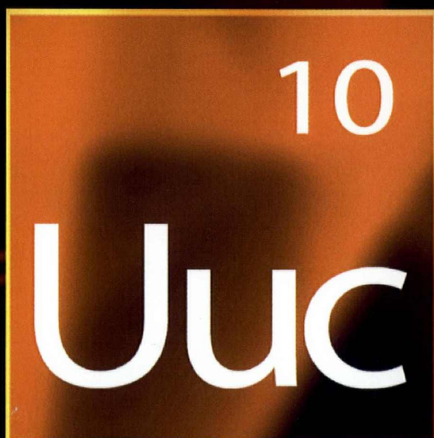


2010 Urban University Conference

new york city alliance NEWS

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2010 Conference Issue



Urban University Conference Series 2010

The New York City Louis Stokes Alliance for Minority Participation in Science (NYC LSAMP) held its 13th Annual Urban University Conference on Friday and Saturday April 23rd and 24th, 2010, at Brookhaven National Lab. The conference theme in 2010 was 'Frontiers in Science and Engineering'. The event included poster sessions by Student Research Scholars, Summer Opportunities and International Research workshops, Laboratory Tours, Panels on the Science and Research Opportunities at Brookhaven Labs, and a Graduate Education/Technology Expo with exhibitors from Academic, Industry and Agency settings.

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Brookhaven Lab Partners with City University of New York

Memorandum of Understanding Signed at 2010 Urban University Conference

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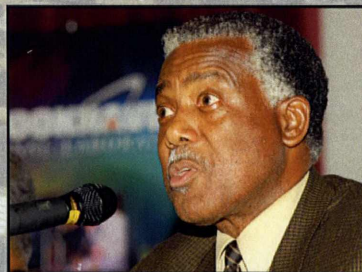
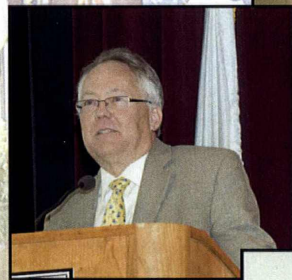


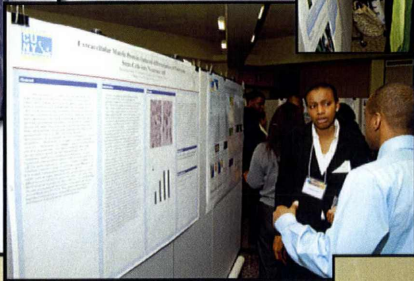
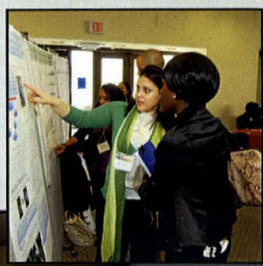
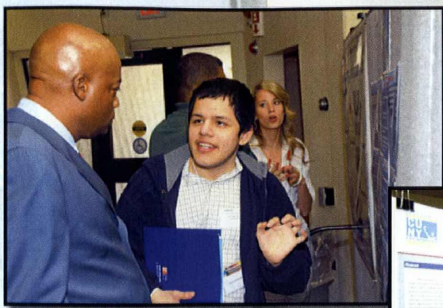
Representatives from BNL, CUNY, and DOE at the signing of the memorandum of understanding include (from left) OEP Manager Ken White, DOE Brookhaven Site Office Manager Mike Holland, BNL Lab Director Sam Aronson, CUNY Vice Chancellor for Research Gillian Small, CUNY Associate University Dean for Research Avrom Caplan, and BNL's Deputy Director for Science and Technology Doon Gibbs.

New York State is recognized as a powerhouse for research and technology advancements and its strengths are being applied to areas such as energy research, homeland security, nanotechnology, and biotechnology. Brookhaven National Laboratory (BNL), one of the world's premier scientific research facilities and home to seven Nobel Prizes, and the City University of New York (CUNY), a leading urban public university with more than 500,000 students at 23 colleges and institutions, provide the state with intellectual capital and resources that it needs to stay in the forefront of these areas of national interest.

On April 23, BNL and CUNY signed a memorandum of understanding (MOU) to formalize their relationship and thus their opportunities to work collaboratively in solving major research challenges.

Facilities at BNL like the National Synchrotron Light Source (NSLS) and its successor-to-be, NSLS-II, the Center for Functional Nanomaterials (CFN), and the Relativistic Heavy Ion Collider (RHIC) will complement the CUNY research initiatives and its planned new 200,000-square-foot Advanced Science Research Center. At the Center, faculty will focus on photonics, nanotechnology, water and environmental sensing, structural biology and neuroscience — all areas of strength for BNL. Specific areas of collaboration will include work on the Smart Grid — a New York State initiative — as well as energy storage, optics, nano-self assembly, protein crystallography, ionic liquids, and transport of atmospheric contaminants.





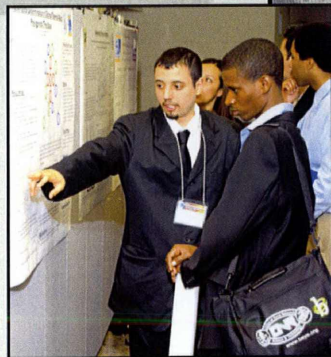
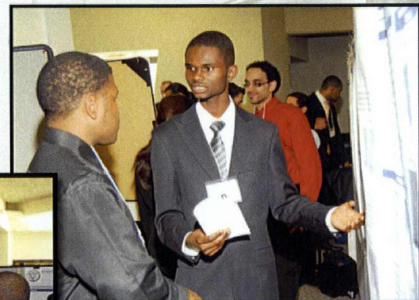
More than 170 CUNY science students, 50 CUNY faculty and administrators, Brookhaven scientists, and others watched as the MOU was signed during the CUNY Urban University Series Conference, held at BNL this year. The conference was part of a larger program advancing opportunities for students underrepresented in the sciences. This program, the NYC Alliance, is funded by the National Science Foundation's (NSF) Louis Stokes Alliance for Minority Participation (LSAMP) program.

The annual two-day event was organized by the New York City LSAMP and featured NSF's A. James Hicks, LSAMP program director, as the keynote speaker, along with many of BNL's top researchers and program directors. During the conference, students presented their own scientific research at poster sessions, and toured several of the Lab's facilities — the CFN, NSLS, and RHIC — where many hope one day to do their own research.



**Keepers of the Alliance Flame
2010 Honorees**

A. James Hicks, NSF
 Ken White, BNL-OEP
 Noel Blackburn, BNL-OEP
 James Wishart, BNL
 David Ferguson, SUNY-LSAMP
 Byron Green, Florida-Georgia LSAMP
 Steven Cox, Greater Philadelphia LSAMP
 Craig Cassidy, Houston LSAMP
 Louise Squitieri, CUNY LSAMP
 Leon Johnson, CUNY LSAMP



“One of our concerns for the future of the scientific and technological enterprise in the United States is how we’re going to fill its ranks,” said BNL Lab Director Sam Aronson as he welcomed the CUNY students and faculty to the conference. “It’s a high priority for us to introduce our science and technology to the broadest possible population to try to excite the best, the brightest, and the most diverse pool of potential future scientists.”

“This memorandum shows that we are each committed to fostering our relationship and building upon it,” added Gillian Small, Vice Chancellor for Research for CUNY. “Collaborating will bring our two communities together and give our students the opportunity to do their research at Brookhaven — and potentially work there in the future too.”

Urban University Conference 2010
‘Frontiers in Science and Engineering’
Over 350 conference attendees
Over 170 Research Abstracts



Frontiers in Science and Engineering 2010

Samuel Aronson, Director – BNL

Michael Holland – DOE Site Manager

The Brookhaven Labs - CUNY Partnership

Neville Parker – NYC LSAMP Program Director

Doon Gibbs, BNL Deputy Director

Gillian Small, Vice Chancellor of Research – CUNY

BNL Large Scientific Tools

Thomas Ludlam- Relativistic Heavy Ion Collider (RHIC)

Emilio Mendez- Center for Functional Nanomaterials (CFN)

Lisa Miller – National Synchrotron Light Source (NSLS)

Keynote Address

A. James Hicks, Senior Program Director

Louis Stokes Alliances for Minority Participation, NSF

The CUNY-BNL Collaborations

Sharon Lall-Ramnarine, LSAMP-BNL Collaborations

From Student to Faculty Mentor

Science at Brookhaven Labs

Joanna Fowler – Senior Scientist Radiotracer Chemistry

Yimei Zhu – Senior Scientist Electron Microscopy

Yolanda Small – Post Doc Center for Functional Nanomaterials

BNL Facility Tours

National Synchrotron Light Source

Relativistic Heavy Ion Collider

Center for Functional Nanomaterials

Workforce Development:

A. James Hicks – NSF LSAMP Program Director

Neville Parker – NYC LSAMP Program Director

Kenneth White – BNL Ofc of Educational Programs Manager

Brookhaven Opportunities

Shirley Kendall – BNL Diversity Manager

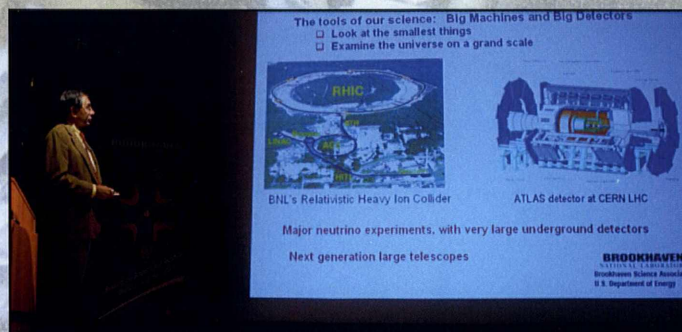
Keynote: The Energy Challenge

Jim Misewich – Assistant Lab Director Basic Energy Sciences

The new MOU is partly the result of a 2001 agreement between NSF’s Directorate for Education and Human Resources and the Department of Energy’s (DOE) Workforce Development for Teachers and Scientists program, which allows faculty and students in NSF-sponsored programs to receive supplemental funding when they participate in research programs at DOE’s national laboratories.

“Part of DOE’s mission is to educate and develop researchers, technicians, and engineers who will continue to work at our laboratories,” said DOE Brookhaven Site Office Manager Mike Holland, as he also welcomed the conference participants. “This partnership will create opportunities to do just that.”

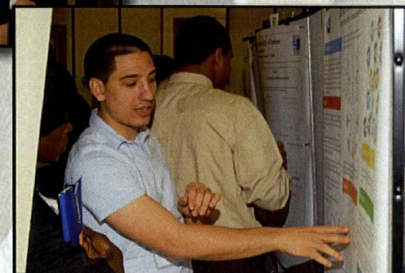
BNL’s Office of Educational Programs (OEP) began strengthening its relationship with the New York City LSAMP in 2004 by increasing the number of CUNY participants in the DOE internship programs — creating the foundation for more collaborative efforts between BNL and CUNY in the future. Since the inception of the DOE-NSF initiative, more than 175 students and faculty have passed through OEP from CUNY to conduct research at BNL.



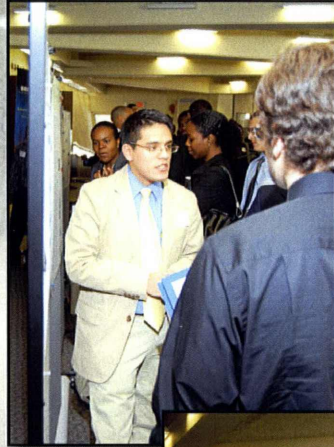
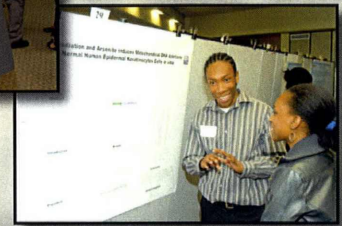
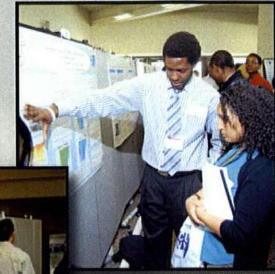
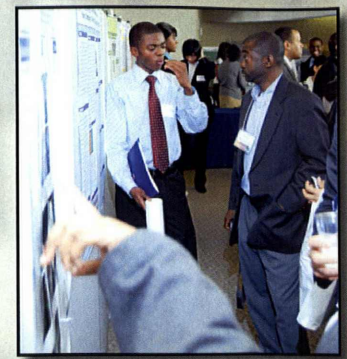
Speakers at the conference included New York City LSAMP Program Director Neville Parker, CUNY professor and researcher Sharon Lall-Ramnarine, and BNLers Joanna Fowler, National Medal of Science winner and director of the Lab's Radiotracer Chemistry, Instrumentation and Biological Imaging Program; Deputy Director for Science and Technology Doon Gibbs; Diversity Manager Shirley Kendall; Thomas Ludlam, chair of the Physics Department; Emilio Mendez, director of the Center for Functional Nanomaterials (CFN); Lisa Miller, leader of the Life and Environmental Sciences group at the National Synchrotron Light Source; Associate Laboratory Director for Basic Energy Sciences Jim Misewich; Yolanda Small, a postdoc at the CFN; and Yimei Zhu, a senior scientist and leader for the CFN's Electron Microscopy facility.

In closing the conference, Ken White, OEP manager, addressed the students, "As we heard from the BNL researchers over the past two days, regardless of their area of study, each one said, 'What I am really excited about is...' when they referred to their research. It is my hope that you too find something you are really excited about and pursue it in a career that you truly enjoy — and we hope that career is in science and technology."

With those closing remarks, the first collaboration between BNL and CUNY under the new MOU was complete.



**Opportunities
Workshops 2010**
Phage Hunters Workshop
LSAMP CUNY Summer Research
International Research Programs



Participating Alliances and Exhibitors

CUNY Alliance

SUNY- LSAMP

Florida- Georgia LSAMP

Greater Philadelphia LSAMP

Houston LSAMP

California State Alliance

CUNY NOAA-CREST

City College Black Male Initiative

Washington University in St. Louis

Division of Biology & Biomedical Sciences

University of South Florida

University of Houston

Fellowship Programs of the National Research Council of the National Academies

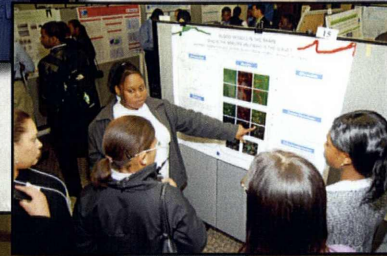
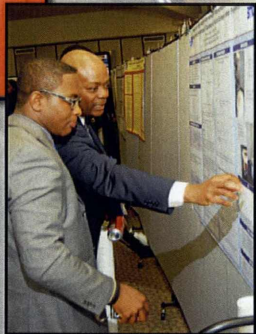
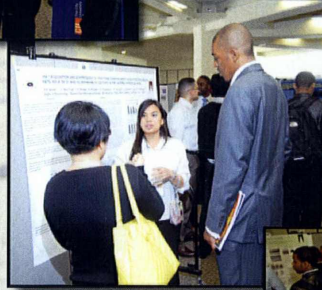
Stanford University

CUNY Center for Advanced Technology

Grove School of Engineering - City College of New York

Engineering Research MIRTHE Center

NOAA-Cooperative Remote Sensing Science and Technology Center



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