



HARLEM CHILDREN SOCIETY

'The Purpose of souls is to Assist each other.'

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“ORIENTATION SESSION OF HARLEM CHILDREN SOCIETY’S SCIENCE & ENGINEERING MENTORING PROGRAM”

Student Orientation; Guest Lectures; Presentation by Students, Mentors, High School Principals & Science Teachers and Community Leaders; Event hosted by State Senator Liz Krueger; Pola Rosen – Editor & Publisher of Education Update; Dr. Judin Rankin – Director of Science, NYC Department of Education

NEW YORK, NY (June 30th 2005)...The **Orientation Session** of Harlem Children Society’s Mentoring Program for high School Students from Under-resourced and Under-represented Neighborhoods will be held on 30th June 2005 at 3.00 PM in the main Auditorium of Memorial Sloan Kettering Cancer Center located on 430 East 67th Street, New York. **The orientation kicks off Harlem Children Society’s Summer Internship Program and the weekly lecture series during which students present their research and are addressed by scientific experts as well as prominent members of society.**

The audience will mainly be comprised of 100 plus participating students from over 34 High Schools from under-resourced and under-represented neighborhoods. The students will be guided by over **125 Mentors in 28 reputed Institutions all over the Tri-state area. All of the high school students participating in the program receive a substantial stipend/ Scholarship for their summer research. This year we have expanded our Program to include some of our past students who have graduated and are still pursuing research.** The ‘After-School’ Research Internship for selected students will also continue through this year as well.

Local, and national community leaders are expected to attend the event and they will address the current batch of students.

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* THIS PROGRAM IS GENEROUSLY SUPPORTED BY GENEROUS GRANTS FROM – (1) AMERICAN CHEMICAL SOCIETY; (2) THE ‘NEW YORK COMMUNITY TRUST’; (3) PINKERTON FOUNDATION (4) BUTLER FOUNDATION (5) BOEHRINGER INGELHEIM MANNHEIM PHARMACEUTICALS AND ‘PERSONAL AND PRIVATE CONTRIBUTION.’

HARLEM CHILDREN SOCIETY *Experiment with a Dream*

The 'Harlem Children Society' was founded by Dr. Sat Bhattacharya in 2000 as a private, **Not-for-Profit Organization** [501(c) 3]. He currently serves as the President and CEO of the 'Harlem Children Society'. The Goal of the organization is to increase awareness in the Sciences and to provide an opportunity for Inner city High School Students & Youth and their families living in Under-resourced & Under-served Communities & School districts. **Our involvement with these communities is an enterprise and an experiment to help increase the entrepreneurial spirit of the communities. It is an Enterprise for generating Hope, for creating a culture, for arming a community with Knowledge to propel itself to the future.** Please visit the 'Harlem Children Society' Website – www.HarlemChildrenSociety.org for an account of our endeavors.

The *Experiment with a Dream* program, teams student interns with some of the best researchers in their fields. It is carried out at major research institutions around New York City including Memorial Sloan-Kettering Cancer Center; The Rockefeller Univ.; Columbia Univ.; Columbia Univ., College of Physicians & Surgeons; New York Univ.; Hunter College of the City Univ. of New York; Steven Institute of Technology; and others. Scientists volunteer their time and expertise to mentor the students throughout the summer internship and all year round After School internship program, which includes laboratory work, seminars & written reports.

The Harlem Children Society's *Experiment with a Dream* project selects young people living and attending schools in under-resourced urban communities and engages them in hands-on scientific work-study at major research institutions. "It is thrilling to give the gift of hands-on learning to young people, and to see them share in the excitement of discovery. If we are able to bring science out of the academic stratosphere and give it a context, which attracts and inspires young people, we are accomplishing a great deal. If we insure that that context is inclusive of all young people – exclusive of none – then we will have succeeded," said Harlem Children Society president and CEO, Dr. Sat Bhattacharya.

"We view our involvement with these communities as an experiment and as an enterprise – an enterprise for generating hope and for arming young people with the skills and knowledge that will propel them into the future," Bhattacharya added. "These awards come after long hours of challenging work. The determination of these young people is evident. I am very proud of my students; their families, teachers, mentors and communities should also be very proud."

This year sees the participation of 100 plus High school students from 36 schools (Grades 9 - 12) from inner-city neighborhoods (mostly in NYC) and from the states of NJ, CT, TN, NC and the Native American Hopi and Navajo Reservations in AZ. They would be conducting research under the mentorship of over 125 renowned scientists and researchers in over 34 institutions such as - Memorial Sloan Kettering Cancer Center, Cornell University Medical Center, Columbia University, Rockefeller University, Albert Einstein School of Medicine, Beth Israel Hospital, Stevens Institute of Technology, Hunter College of CUNY, New York University, American Museum of Natural History, Fordham University, Bronx River Alliance, The Gaia Institute, and the Lehman College Natural Sciences. Some of these bright students will participate in the 'After-school all-year-round Research Program where they will continue their research in the Fall & Spring of 2005-06. The students were selected based on their motivation, enthusiasm & performance at school, on the recommendations from their principal and science teachers, and the interview during the selection process – which earned them a spot in the summer internship.

All of the students are given a thorough background in the sciences related to the projects, including Frequent Lectures & Tutorials by several scientists and researchers. All of the students are given rigorous training relating to the Techniques, Safe and Proper handling of devices, instruments, chemicals & biologicals relating to the ongoing projects. They are given individual projects to complete by the end of the summer term. Proper guidance and background will be given to enable them to build self-confidence and presentation skills. At the end of the summer term, the students are required to summarize their work and present their results in the laboratory and encouraged to compete with other students at several Regional and National Science conferences & Competitions.

All of our past students successfully participated & competed in several Regional & National Science conferences & Competitions in the tri-state area, including Chicago, San Diego, Colorado, etc, presenting their work with full self confidence and winning innumerable Regional and National Awards including the 'New York Times Scholarship'. They developed a sense of responsibility & commitment towards completion of their work and projects. Some of our past students have since joined leading universities like Cornell, Penn State, Rutgers, Swarthmore, Dartmouth, 7 year combined medical school at UMDNJ and others. All students have expressed an intense interest in the pursuit of a Career in the Sciences & Engineering.

The Harlem Children Society is dedicated to promoting innovative science education programs to children and youth living in under-resourced and underserved communities and school districts. The organization seeks to engage learners in a healthy enquiry of the world, and to expose them to opportunities available in the field of science that might be otherwise out-of-reach. The pursuit of higher education and career achievement is emphasized by providing students with knowledge, skills, guidance, encouragement and understanding. The Harlem Children Society is a private, not-for-profit organization, recognized by the city, state and federal governments. Donations to the Harlem Children Society are tax-deductible to the extent allowed by law.

For more information on the *Experiment with a Dream* project, contact Dr. Satyajit (Sat) Bhattacharya, Harlem Children Society, 536 East 82nd Street, Suite 5F, New York, NY 10028; Telephone: (646) 643-8563; E-mail: bhattacs@mskcc.org. Additional information is available online at: www.harlemchildrensociety.org.

SOME OF OUR PARTICIPATING INSTITUTIONS:

There are over **125 Mentors in 34 reputed Institutions for 100+ Students**. Some of the institutions that we are collaborating with:

- i. Memorial Sloan Kettering Cancer Center
- ii. Hunter College
- iii. Columbia University
- iv. Cornell University Medical Center
- v. American Museum of Natural History
- vi. Lehman College Natural Sciences
- vii. The Gaia Institute
- viii. Bronx River Alliance
- ix. Beth Israel Hospital
- x. New York University
- xi. Albert Einstein School of Medicine
- xii. Rockefeller University
- xiii. Fordham University
- xiv. Rock in the Boat
- xv. Stevens Institute of Technology
- xvi. The Bronx River Alliance

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SOME OF OUR PARTICIPATING SCHOOLS:

- i. Banana Kelly Collaborative High School, Bronx
- ii. High School of Medical Science, Bronx
- iii. Gregorio Luperon High School of Science & Math, West Harlem
- iv. Lincoln Academy/Hostos, Bronx
- v. Manhattan/Hunter College High School of Science, West Harlem
- vi. Young Women's Leadership High School, East Harlem
- vii. East Side Community High School, Lower East Side
- viii. Frederick Douglas Academy, West Harlem
- ix. Thurgood Marshall Academy, West Harlem
- x. Manhattan Center for Science and Math, East Harlem
- xi. Academy of Mount Saint Ursula, Bronx
- xii. Union Hill High School, Union City, New Jersey
- xiii. Clara Barton High School, Brooklyn
- xiv. Edward R. Murrow High School, Brooklyn
- xv. Ossining High School, Brooklyn
- xvi. High Tech High School, New Jersey
- xvii. Cornell University
- xviii. High School for Health Professions & Human Services, Lower East Side
- xix. Rutgers University
- xx. UNDMJ
- xxi. Frederick Douglas Academy, West Harlem
- xxii. Swarthmore University

SOME OF OUR PARTNERSHIPS:

Sigma Xi Scientific Research Society

Sigma Xi was founded in 1886 as an honor society for science and engineering. Today, it is an international research society whose [programs and activities](#) promote the health of the scientific enterprise and honor scientific achievement. There are more than 70,000 Sigma Xi members in over [500 chapters](#) at colleges and universities, industrial research centers and government laboratories. The Society has its headquarters in North Carolina.

In addition to honoring scientific achievement, Sigma Xi also endeavors to encourage support of original work in science and technology and promote an appreciation within society at large for the role research has played in human progress. Over the course of the Society's distinguished [history](#), nearly 200 members have won the [Nobel Prize](#) and many more have earned election to the National Academies of Sciences and Engineering.

The New York Academy of Sciences

Founded in 1817, the New York Academy of Sciences is one of the most prominent and enduring organizations in the international scientific community. Its members have included such notable individuals as U.S. Presidents Jefferson and Monroe, Charles Darwin, John James Audubon and Albert Einstein. Independent and nonprofit, the Academy currently numbers over 23,000 Members in more than

150 countries. The Academy's mission is "to advance understanding of science and technology" by focusing on science across disciplines and nations, and by building bridges between society and science.

OTHER PARTNERSHIPS:

Sigma Xi Scientific Research Society, Rockefeller Chapter, NYC

New York Academy of Sciences, NYC.

New York Roentgen Society, NYC.

Memorial Sloan Kettering Cancer Center, NYC

Asphalt Green, NYC.

Harlem Chamber of Commerce, NYC.

Rocking the Boat, NYC

The River Project, NYC

Brooklyn Botanical Garden, NYC

NYU School of Medicine, NYC

High Performance Learning Institute, NYC

Boehringer Ingelheim Mannheim Pharmaceuticals, CT

Museum of Northern Arizona, Flagstaff, AZ

Hopi Healthcare Center, AZ

Environmental Testing Laboratory, Farmingdale, Long Island

South Mall Laboratories, Plainview, Long Island

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OUR STATISTICS (Year 2000 – 2005)

	2001	2002	2003	2004	2005	Average
STUDENT STATISTICS						
Total % of Minority Students served	100%	100%	100%	96%	96%	98%
Total % of Students based on Ethnicity						
- African American	~33%	~33%	~24%	37%	43%	34%
- % of Female Students					63%	
- % of Male Students					37%	
- Hispanic	~33%	~33%	~61%	39%	27%	39%
- % of Female Students					62%	
- % of Male Students					38%	
- Asian	~33%	~33%	~15%	20%	16%	23%
- % of Female Students					65%	
- % of Male Students					35%	
- Native American	0	0	0	0	~5%	~1%
- % of Female Students					20%	
- % of Male Students					80%	
- Caucasian	0	0	0	4%	~4%	<2%
- % of Female Students					20%	
- % of Male Students					80%	
- Other	0	0	0	0	~5%	1%
- % of Female Students					50%	
- % of Male Students					50%	
Total Number of Students based on Sex						
- % of Female Students	~33%	~33%	~69%	66%	60%	~52%
- % of Male Students	~66%	~66%	~31%	34%	40%	~48%
Total Number of Participating Institutions/ High Schools	2	2	8	17	36	13
Total Number of Students Selected for the Internship Program	3	3	13	47	107	34
PARTICIPATING MENTORS AND THEIR AFFILIATIONS						
Total Number of Participating Mentors	1	1	10	47	125	~37
Total Number of Mentoring Institutions	1	1	6	16	34	10
PARTNERSHIPS/COLLABORATIONS						
Sigma Xi Scientific Research Society, Rockefeller Chapter, NYC		✓	✓	✓	✓	N/A
New York Academy of Sciences, NYC		✓	✓	✓	✓	N/A
New York Roentgen Society, NYC				✓	✓	N/A
Memorial Sloan Kettering Cancer Center, NYC				✓	✓	N/A
Asphalt Green, NYC		✓	✓	✓	✓	N/A
Harlem Chamber of Commerce, NYC				✓	✓	N/A
Rocking the Boat, NYC				✓	✓	N/A
The River Project, NYC					✓	N/A
Brooklyn Botanical Garden, NYC					✓	N/A
NYU School of Medicine, NYC					✓	N/A
High Performance Learning Institute, NYC					✓	N/A
Boehringer Ingelheim Mannheim Pharmaceuticals, CT					✓	N/A
Museum of Northern Arizona, Flagstaff, AZ					✓	N/A
Hopi Healthcare Center, AZ					✓	N/A
Environmental Testing Laboratory, Farmingdale, Long Island					✓	N/A
South Mall Laboratories, Plainview, Long Island					✓	N/A

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