



**D** SUNY  
DOWNSTATE  
Medical Center

SUNY Downstate Medical Center

**2012**

**A Year in Review**

**SUNY DOWNSTATE  
MEDICAL CENTER**

**2012**

**A YEAR IN REVIEW**



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**June 2013**

# 2012

**2012 was a year of numerous advances, changes, and accomplishments for SUNY Downstate Medical Center.**

**What follows is a selection of some of the more notable activities involving the campus and its faculty, administrators, staff, and students.**



# **NEW LEADERSHIP**

**1. John F. Williams, Jr., MD, EdD, MPH, FCCM, was appointed president of SUNY Downstate Medical Center.**

SUNY Board of Trustees Chairman H. Carl McCall said, "On behalf of the Board, it is my great honor to welcome Dr. Williams to the SUNY family. "With his extensive experience at The George Washington University and its own medical center, Dr. Williams is precisely the person we have been looking for to lead Downstate through its financial restructuring while maintaining its impeccable service to the Brooklyn community and all of New York State." "Dr. Williams brings vast experience, intricate knowledge, and proven leadership to SUNY and to Downstate Medical Center," said Chancellor Zimpher. "As a major supplier of the state's health care professionals, Downstate fulfills critical academic and health care needs in New York, and Dr. Williams' appointment as president will go a long way toward ensuring that those needs continue to be met." Dr. Williams earned a Bachelor of Arts in Political Science at Boston University in 1970, a Master of Science at The London School of Economics and Political Science in 1973, a Master of Public Health from Yale University in 1975, and Doctorates of Medicine (1979) and Education (1996) from The George Washington University.

**2. Astra Bain-Dowell, MPA, was named executive vice president and chief operating officer.**

Ms. Bain-Dowell has responsibility for overall operations of the medical center. She brings to Downstate over thirty-two years of work experience in medical center operations, research administration, regulatory affairs, and research compliance, with specialized skills related to research, facilities management, and emergency preparedness. She most recently served as an associate dean for resource management and operations as well as the interim associate vice provost for medical center operations at The George Washington University. Ms. Bain-Dowell earned a Master of Public Administration from The George Washington University in 1991.

**3. Melanie F. Gehen, MHSA, was appointed vice president for financial affairs.**

Ms. Gehen provides financial leadership for the academic mission, a term that broadly encompasses all aspects of Downstate's financial enterprise. Melanie brings to Downstate a strong record of financial operations management and a deep knowledge of the complex missions and fiscal needs of academic



medical centers. She comes to Downstate from George Washington University Medical Center, where she served from 1985 to 2012 in successive positions of authority, most recently as Associate Vice President for Health Economics [2007-2012]. In this capacity, she functioned as GW's chief financial officer, with responsibility for accounting, business processes, financial reporting, and budgeting functions. Ms. Gehen holds a Master of Health Services Administration from GWUMC, and is a member of the National Association of College and University Business Officers (NACUBO)

**4. Downstate's financial team was strengthened with the addition of Alan Dzija as vice president and chief financial officer and David Ho as chief financial officer for hospital finance.**

Mr. Dzija and Mr. Ho joined Downstate in February and March, respectively. Mr. Dzija is charged with safeguarding the assets and financial health of Downstate, as well as ensuring compliance with State and Federal regulations. Mr. Ho was appointed to oversee all financial matters related to University Hospital.

Prior to joining Downstate, Mr. Dzija served as a turnaround consultant and interim executive in several health care and higher education settings while a member of The Hunter Group (a hospital restructuring and turnaround firm), Navigant Consulting, and his own firm, Bridge Strategy. Additionally, he was the Vice President and Associate Dean for Finance at Columbia University Medical Center in New York; was a partner with a predecessor firm which became part of Price Waterhouse Coopers, one of the now "Big 4" accounting and consulting firms; and was the regional healthcare leader for a municipal finance advisory firm in Philadelphia.

Mr. Ho has more than 30 years of experience in finance administration at some of the nation's largest medical centers. Most recently, from 2010 to 2011, he served as Associate Vice Dean for Finance and Chief Financial Officer at Columbia University, where he led financial operations for Columbia's School of Medicine.

**5. Dorothy Fyfe, MPA, was appointed associate vice president for policy and planning.**

Ms. Fyfe has served Downstate in the Office of Planning for over twenty years, directing strategic and operational planning for the campus, program development, and academic affiliations.

In addition to her planning role, Ms. Fyfe will assume the leadership of the marketing, media, and communications areas for our three campuses. In her new capacity, she will assure that our marketing and outreach efforts are aligned with the strategic planning and new direction of Downstate. Ms. Fyfe has been instrumental in leading many initiatives on campus over the years, including several HEAL NY grants and academic projects. Her experience has included administrative positions at NYU Langone Medical Center, New York Methodist Hospital, and the NYC Health and Hospitals Corporation.

**6. Moro O. Salifu, MD, MPH, MBA, was named interim chairman of the Department of Medicine.**

Dr. Salifu served as chief of nephrology and director of the kidney transplant program since 2008, when he succeeded Distinguished Teaching Professor Eli Friedman, who headed the division for 26 years. Recently, Dr. Salifu became the first recipient of the Edwin C. and Anne K. Weiskopf Endowed Chair in Nephrology, founded in honor of Dr. Friedman.

Dr. Salifu received his medical degree from Dokuz Eylul University in Turkey and did his residency, internship, and fellowship training at SUNY Downstate. After his appointment to Downstate as assistant professor of medicine in 1981, Dr. Salifu earned a master of public health degree at Downstate and a master of business administration from George Washington University. Board-certified in internal medicine and nephrology, Dr. Salifu is contact principal investigator on a \$5.5 million grant from the National Institutes of Health to advance the work of the Brooklyn Health Disparities Center, a joint venture of SUNY Downstate, the Arthur Ashe Institute for Urban Health, and the Brooklyn Borough President's Office. Dr. Salifu also leads a basic science research team investigating the role of the F11 receptor in renal allograft rejection and atherosclerosis. He has served on many professional bodies and is the incoming 2013 president of the New York Society of Nephrology.



# **NEW FACILITIES**

**1. SUNY Downstate Medical Center's Samuel L. Kountz Kidney Transplant Unit was completely renovated and is providing care to patients in enhanced, state-of-the-art space at its University Hospital of Brooklyn's Central Brooklyn location.**

This modern, upgraded facility features spacious, single-patient rooms with advanced patient monitoring systems and other features to enhance safety, as well as amenities to increase comfort for patients and visitors alike.

The new unit includes state-of-the-art medical systems and Brooklyn-themed artwork. "We wanted this facility to be exceptional on every front," said Devon John, MD, chief of transplantation surgery. The newly designed unit increases visibility without sacrificing patient privacy and enhances nurses' access to patients. Sinks and bathrooms are placed in a more convenient configuration, noise levels have been reduced, and lighting has been improved. Surfaces have been designed to be both esthetically pleasing and infection resistant. All twenty four single-bed rooms are protective-environment, positive pressure rooms. One of these includes an anteroom and houses patients requiring isolation.

The support staff includes transplant coordinators, social workers, nurse practitioners, physician assistants, outreach coordinators, a data manager, a financial coordinator, and a nutritionist, backed by a technologically advanced immunology laboratory. The late Samuel Lee Kountz, MD, after whom the transplant unit is named, was the first African-American transplant surgeon. Dr. Kountz, who created the transplant department at Downstate in 1972, made numerous contributions to the field of transplantation.

**2. SUNY Downstate held a groundbreaking ceremony for the third phase of its Advanced Biotechnology Incubator.**

Located adjacent to Downstate's main campus in Central Brooklyn, the incubator provides space to start-up and early-stage biotech companies. The current facility is fully occupied. When construction of the third and final phase is completed, it will have more than doubled the size of the incubator, to 50,000 square feet. The first phase of the incubator opened in 2004. Working with physicians at Downstate, BioSignal Group Corp. --one of the 15 incubator tenants--completed clinical trials of a micro-EEG machine and received Food and Drug Administration approval for the device.

**3. SUNY Downstate's University Hospital of Brooklyn in Central Brooklyn opened a new Observation Unit for patients needing short-term care.**

The opening of an Observation Unit at Downstate's comprehensive hospital in Central Brooklyn is an example of Downstate's approach to providing quality care that is both cost-effective and patient-friendly. The Observation Unit provides care to ER patients who require monitoring and observation, but are not so ill that they need to be admitted. Open 24/7, the new unit expedites testing required to evaluate whether a patient needs to be admitted for an acute condition, or can be safely sent home. Typically, a decision can be reached within 24 hours.

**4. The College of Nursing committed to creating a new, state-of-the-art Simulation Laboratory, to be fully operational in 2013.**

The newly renovated lab is made possible through multiple state and federal funding of \$1.2 million in grants. The lab boasts low and high fidelity simulators, remote access and video streaming capability allowing students in other classrooms to share in learning activities within the lab. Instructional materials can be recorded for replay to students and faculty at a later date. Also featured are a labor and delivery room, an isolation room, and three intensive care units, all outfitted with cameras and microphones, to allow recording of hands-on demonstrations. The lab incorporates principles of "green design" with sky lights that provide natural lighting, which supplements and in some cases overrides the need for artificial lighting, resulting in reduced demand for electricity.

**5. Planning continued for Downstate's new Academic Building, with construction scheduled to begin in 2013.**

The building will be located on Clarkson Avenue, and nest in the space in front of the Basic Sciences Building. Housed in the new building will be Downstate's School of Public Health. The architecture will reflect changing approaches to the teaching of medicine: Classrooms will be designed to facilitate multidisciplinary instruction of small groups, as well as take advantage of new technology. It will also house a simulation center, and several floors of research labs.

# **NEW PROGRAMS**

## **1. A ceremony was held to open the World Trade Center Health Program (WTCHP) at SUNY Downstate Medical Center (DMC) in May 2012.**

It is the first major effort to treat 9/11 responders within the borough of Brooklyn. The event was attended by several 9/11 responders and U.S. Representative Yvette D. Clarke. Funded as part of the James Zadroga 9/11 Health and Compensation Act, the WTCHP was created to monitor and provide health care to first responders and civilians sickened by exposure to WTC-related toxins; program officials estimate that could include as many as 30,000 people. Some 6,000 people are monitored at the Stony Brook site of the program. Even though it is the most populous borough, other than a clinic for firefighters in the MetroTech Center, Brooklyn has not had a WTCHP office. Jack A. DeHovitz, MD, MPH, distinguished service professor of medicine, and Stonybrook University's Benjamin Luft, MD, presided over the ceremony.

## **2. Downstate was selected by the National Institutes of Health (NIH) to join the Neurological Emergencies Treatment Trials (NETT) network.**

NETT is dedicated to improving emergency care for neurological injuries that require immediate care, such as stroke, seizures, and traumatic brain injury, as well as other illnesses affecting the brain, spinal cord, and peripheral nervous system.

SUNY Downstate is one of 17 prestigious academic medical centers chosen in 2012 to be a NETT "Hub" and is the only newly funded site in New York State. As part of NETT, Downstate brings advanced medical treatment to residents of New York City's five boroughs, Nassau County, and elsewhere in New York State through a series of national clinical trials geared towards evaluating treatments given during neurological emergencies. Steven R. Levine, MD, professor of neurology and emergency medicine and vice chair of neurology is principal investigator for Downstate's NETT site.

## **3. Downstate Medical Center was selected as one of five institutions to participate in Urban Universities for HEALTH (Health Equity through Alignment, Leadership, and Transformation of the Healthcare Workforce).**

This national initiative that aims to improve the health of urban communities by developing their health workforce. Urban Universities for HEALTH is a collaborative program of the Association of American Medical Colleges, the Coalition of Urban Serving Universities/Association of Public and Land-grant Universities, and the National Institute

on Minority Health and Health Disparities of the National Institutes of Health (NIH). This joint project will identify strategies to create a diverse, well-prepared workforce capable of improving urban health and meeting demands for new delivery systems that ensure quality care for all. The five institutions will work to improve data on health workforce needs, build institutional capacity, and identify metrics for workforce goals to enhance urban health equity. The knowledge gained will be applied to a larger constituency of higher education institutions. SUNY Downstate is in the top decile of all American medical schools in the number of African-American students and in the percentage of underrepresented minority full-time faculty.

# PHILANTHROPY

The Division of Philanthropy raised close to \$5 million in 2012. Major gifts included:

**1. Garry S. Sklar, MD, donated a gift of \$1,000,000 to SUNY Downstate Medical Center in 2012 to endow The Garry S. and Sarah Sklar Professorship in Anesthesiology.**

Early in his career, from 1974 through 1978, Dr. Sklar served as an attending anesthesiologist at the Medical Center. Working at Downstate Medical Center and Kings County Hospital, Dr. Sklar administered anesthesia during many surgical procedures rarely seen elsewhere. In confirming his gift to SUNY Downstate, Dr. Sklar said, "The four and a half years I was employed there (Downstate) were very fruitful years which truly provided a firm foundation for my entire professional career. I trust this endowed chair will encourage young doctors to advance the body of knowledge of our specialty."

**2. The Ron and Jeannie Schiavone Foundation gave a \$1,000,000 in honor of Jeffrey S. Borer, MD, chief of cardiovascular medicine and professor of medicine.**

Their gift will help fund the Cardiovascular Translational Research Institute, now named after them, as well as several smaller gifts and grants to the institution.

**3. The John Conley Division of Medical Ethics and Humanities, formerly the Division of Humanities in Medicine, expanded its activities as a result of generous support from the John Conley Foundation for Ethics and Philosophy in Medicine.**

The division sponsored a disaster ethics symposium in March and, in September, presented a lecture on the United States Supreme Court decision upholding the constitutionality of the Affordable Care Act. The guest speaker for the latter was David Orentlicher, MD, JD, Samuel R. Rosen Professor of Law at the Indiana University School of Law and adjunct professor of medicine at the IU School of Medicine. In December, a symposium on the occasion of the 20th anniversary of the founding of the Arthur Ashe Institute for Urban Health, which the division helped create, was held in Manhattan at the SUNY Global Center. The division was a symposium sponsor. NBC News correspondent Tom Brokaw delivered the keynote address. Arthur Caplan, PhD, director of the Division of Medical Ethics in the Department of Population Health at NYU Langone Medical Center, and Monica Sweeney, MD, MPH, assistant commissioner for HIV/AIDS prevention and control the New York City Department of Health and Mental Hygiene, were discussants. The division is also developing a robust program on professionalism focused on medical students and residents.





# **NEW**

# **ACADEMIC PROGRAMS**

**1. College of Nursing faculty completed the revision of the undergraduate curriculum, which was implemented in the fall of 2012.**

The revised curriculum reflects the new AACN core competencies expected of graduates of baccalaureate programs. These competencies are now integrated in the revised accreditation standards for baccalaureate degree nursing programs.

**2. The College of Nursing created an Extension Site (off-campus) instruction with Maimonides Medical Center in 2011-2012 for the RN-to-BSN, Clinical Nurse Specialist, and Nurse Practitioner programs.**

The program responds to the Institute of Medicine's Report, "The Future of Nursing, Leading Change," which calls for the educational advancement of registered nurses among other recommendations.

**3. In the School of Public Health, an Advanced Certificate Program was established.**

The Advanced Certificate in Public Health was approved by the State University of New York, the State Education Department, and the Council on Education for Public Health (CEPH), the national accrediting body for Schools of Public Health. The Advanced Certificate Program will be formally offered to students in the summer semester of 2013.

**4. The Center for Global Health of the School of Public Health continued to expand.**

The Center was established in February 2011 under the direction of Dr. Pascal James Imperato, dean of the School of Public Health, in recognition of the global nature of health promotion and disease prevention, and the impact of global health on urban and immigrant health in Brooklyn.

In collaboration with a South African colleague and a health-focused non-governmental organization (ChoiCe Trust) in Tzaneen, Limpopo Province, Dr. Dee Burton, chair of the Department of Community Health Sciences, initiated a field experience placement for SUNY Downstate's MPH students. MPH students work alongside employees and volunteers with local community-based organizations to develop, deliver, and evaluate prevention and primary health care programs in poor rural communities. The SUNY Downstate Center for Global Health is unique because of Brooklyn's diverse populations, 40 percent of whom were born outside of the United States.

**5. The School of Public Health also initiated online courses for the MPH degree program.**

**6. In the Department of Anesthesiology, a new fellowship program in Obstetrical Anesthesiology has been approved and is actively recruiting new fellows.**

The anesthesiology residency training program achieved a 100% pass rate on the anesthesiology written board certification exams. And a medical student was the first in his class to co-author a publication in a major medical journal as a result of research performed under the mentorship of Dr. Ming Zhang in the Department of Anesthesiology.

**7. Downstate's Department of Urology has added a new robotic rotation at NY Methodist Hospital and new pediatric urology rotation at Children's Hospital of Philadelphia.**

Dr. Brian McNeil has overseen the robotic program's start-up with the first case having been done in March, 2013. Dr. McNeil has recently become certified by the American Board of Urology.

# **MAJOR GRANTS**

**1. Todd C. Sacktor, MD, distinguished professor of physiology and pharmacology and of neurology at SUNY Downstate Medical Center, received a MERIT (Method to Extend Research in Time) award from the National Institute of Mental Health (NIMH) for his research on memory.**

Dr. Sacktor's research, which has been called "paradigm-shifting," has focused on determining the mechanism of long-term memory. He discovered the molecule protein kinase M zeta (PKMzeta) and with colleagues demonstrated that it is essential for memory storage. Fewer than five percent of funded National Institutes of Health (NIH) investigators are selected to receive MERIT awards. Dr. Sacktor's research not only revealed an important component of how memories are processed and stored, but also has broad implications for the possible treatment of memory disorders, such as Alzheimer's disease, as well as chronic pain, dystonia, post-traumatic stress disorder, and phantom limb syndrome. Most recently, Dr. Sacktor and colleagues discovered that PKMzeta can enhance or strengthen old memories.

**2. Downstate was accepted as one of the sites participating in Symplicity HTN-3, the first U.S. clinical trial evaluating the safety and effectiveness of renal denervation in the management of resistant hypertension.**

Jacek Preibisz, MD, clinical associate professor of medicine and director of preventive cardiology, and Nathaniel Winer, MD, professor of medicine, serve as principal and co-principal investigator, respectively, at Downstate.

**3. The National Institute on Minority Health and Health Disparities (NIMHD), part of the National Institutes of Health (NIH), announced a \$5.5 million grant over five years to advance the work of the Brooklyn Health Disparities Center (BHDC).**

BHDC is a joint venture of SUNY Downstate Medical Center, the Arthur Ashe Institute for Urban Health, and the Brooklyn Borough President's Office. The goal of BHDC is to reduce health disparities among minorities and new immigrants in Brooklyn. The grant, under the leadership of principal investigators Moro O. Salifu, MD, interim chair of medicine at SUNY Downstate, and Ruth C. Browne, ScD, chief executive officer of the Arthur Ashe Institute, will support community engagement to drive research, training, and policy. An innovative community-academic-government partnership, BHDC was established in 2004 with NIH funding.

**4. For the fourth consecutive year, SUNY Downstate Medical Center's College of Nursing has been selected as a grant recipient of the Robert Wood Johnson Foundation New Careers in Nursing Scholarship Program (NCIN).**

SUNY Downstate has received \$100,000 for the 2012-2013 academic year to support students who are enrolled in its accelerated nursing program and pursuing a second career in nursing. The support is given to second-career students from groups who are traditionally underrepresented in the field of nursing or from disadvantaged backgrounds. Since 2009, the College of Nursing has received a total of \$500,000 to support students in its accelerated baccalaureate program.

**5. The College of Nursing received a \$266,675 high needs study grant from the State University of New York to expand student capacity in the Accelerated BS in Nursing program. Since 2007, the CON has received a total of \$1,762,671 from SUNY.**

**6. Howard Crystal, MD, professor of neurology, was awarded an R21 linked to the WIHS (\$462,648 over two years from NIMH).**

The project "Effects of Vascular Health, Aging and HAART on Cognition in HIV: A Pilot Study." Whereas most studies looking at the association of vascular disease and cognition focus on the extracranial carotid artery, the proposed study also includes measures of intracranial large vessels as well as small vessels.

**7. Anjali Sharma, MD, MS, received an award from the NIH/NIAMS to examine HIV and Adiposity in Women: Effects on Bone Metabolism.**

Long-term consequences of HIV infection and its treatment, particularly disturbances of bone metabolism, are emerging concerns given the growing numbers of older adults living with HIV.

**8. The US President's Emergency Plan for AIDS Relief (PEPFAR) awarded \$500,000 over three years to SUNY-DMC's NYS International Training and Research Program (PI: Jack DeHovitz) through the US Centers for Disease Control and Prevention (CDC).**

The grant will support HIV prevention interventions in Ukraine.

**9. The Division of Pediatric Neurology and Division of Neonatology were awarded an NIH grant in August 2012, to study maturation of EEG patterns in extremely preterm neonates (26-32 weeks gestation) with episodes of apnea/bradycardia/desaturation (ABD).**

The aims of the study are to determine if there is any correlation with lack of EEG maturation in those babies who continue to get episodes at 34 weeks gestation and later, and to determine if there are any electrographic 'markers' including electrographic seizures which can predict these ABD events.

The project period is two years and the budget is \$600,000. The project title is Wireless Novel MicroEEG for Neonatal Apnea and Community Neurological Network. Principal investigators are Geetha Chari, MD (Pediatric Neurology), Zachary Ibrahim, MD (Neonatology), and Samah Abdel Baki, MD (Contact PI: Biosignal Group).

**10. The Department of Ophthalmology received approval for continuation of the Research to Prevent Blindness (RPB) challenge grant.**

A medical student received a one year RPB research grant to work in our glaucoma laboratory for 2012-2013 under Dr. John Danias.

**11. The Division of Reproductive Endocrinology successfully completed an NIH R-01 grant entitled "Treatment of Endometriosis with Norethindrone Acetate (NA) vs. Gonadotropin-Releasing Hormone (GnRH) Agonist (Lupron Depot 11.25mg)."**

The division also received several pharmaceutical grants.

**12. Frank C. Barone, PhD, professor of neurology, received a research "Grant-In-Aid" from the American Heart Association (Founders Affiliate) titled: "Proof of Concept: Clinically Relevant Model of Vascular Cognitive Impairment" for \$198,000 (2013-2016).**

Dr. Barone also received a research contract grant from Boehringer Ingelheim International GmbH for an Investigator Initiated Study Request titled: "Effects of Dabigatran in Experimental Vascular Cognitive Impairment" for \$67,000 (2012-2013).

**13. Deborah Gustafson, PhD, MS, visiting research associate professor of neurology, is co-principal investigator of the National Institute of Allergy and Infectious Diseases Women's Interagency HIV Study.**

The major aims of this study are to examine the natural history and gynecological manifestations of HIV disease in women. The supplement will fund measurement and analysis of 3 adipose tissue hormones in the Women's Interagency HIV Study (WIHS). These hormones will be related to cognition and include: leptin, high molecular weight adiponectin, and total adiponectin. The grant runs through 2017. Dr. Gustafson is also Co-PI on a two-year grant, "Extencicare Foundation, Brain Connectivity in Middle-Aged Subjects at Risk for Dementia: The Role of Midlife Obesity." This funding is for a pilot study of resting state brain connectivity and adiposity in middle-aged adults with a family history of Alzheimer's disease.

**14. Capping SUNY Downstate Medical Center's growth into a major center for eye research, Research to Prevent Blindness (RPB) has awarded SUNY Downstate a four-year challenge grant of \$220,000 to spur the development of advanced research into the causes, treatment, and prevention of blinding diseases.**

Douglas R. Lazzaro, MD, professor and chair of ophthalmology, is the principal investigator. RPB is the world's leading voluntary organization supporting eye research. "This award from RPB is a major milestone in the development of an ophthalmology research nucleus at SUNY Downstate," said Dr. Lazzaro. SUNY Downstate is now one of 52 institutions receiving this recognition from RPB. In the last five years, Downstate has attracted \$6.2 million in eye research funding from various sources. Dr. Lazzaro noted, "That SUNY Downstate has gone from virtually zero funding in eye research to more than six million in five years is a tribute to the dedication of the entire eye team here at Downstate." SUNY Downstate's eye research includes projects within the SUNY Eye Institute and SUNY REACH, both collaborative efforts involving the four SUNY academic medical centers and the College of Optometry. Last year, SUNY REACH received \$4.3 million for two NIH grants, both of whose lead investigators are based at Downstate.

**15. Charles Abrams, MD, PhD, associate professor of neurology and director of the Neuromuscular Division at SUNY Downstate Medical Center, was awarded a three-year grant totaling \$414,787 by the Muscular Dystrophy Association, the premier health organization dedicated to preventing and treating muscle-wasting diseases.**

The grant will fund Dr. Abrams' research on the role of connexin protein mutations in Charcot-Marie-Tooth disease.

**16. Steven R. Levine, MD, professor of neurology and emergency medicine and vice chair of neurology, is scientific principal investigator on a \$500,000 award from**

**the federally funded Patient-Centered Outcomes Research Institute (PCORI) to develop mobile phone applications for stroke patients and their caregivers.**

Investigators from SUNY Downstate's College of Medicine and School of Public Health are participating in this study, which is being developed in conjunction with the National Stroke Association and the Arthur Ashe Institute for Urban Health. The grant team will survey stroke survivors and their caregivers to investigate the interest in and preference for smartphone apps that facilitate improved identification and management of risk factors and healthcare needs.

**17. The Brooklyn site of the Women's Interagency HIV Study (WIHS) (Howard Minkoff, PI) successfully competed for an additional five years of funding (\$9 million) from NIH.**

**18. Jacob V. Aranda, MD, PhD, professor and director of neonatology, received an NIH grant to research the molecular and clinical pharmacology of retinopathy of prematurity (ROP), which can lead to blindness in preterm newborns.**

Along with William Brunken, PhD, director of ophthalmic research, Kay Beharry, director of perinatal-neonatal pharmacology, and others, Dr. Aranda will develop two preclinical science protocols to test the hypothesis that caffeine and ibuprofen can be used to prevent ROP in animal models. Once these studies are successfully completed, multi-site clinical trials will begin at Downstate and elsewhere. Dr. Aranda's study is closely aligned with the SUNY Eye Institute, which is part of SUNY REACH, a collaborative effort involving the four SUNY academic medical centers and the College of Optometry. By working together, SUNY REACH leverages the ability of SUNY campuses to obtain grant funding.

**19. Drs. Lazzaro and Brunken received an Empire Clinical Research Investigation Program (ECRIP) fellowship grant to develop a posterior corneal prosthesis.**

This work is in collaboration with the SUNY College of Nanoscale Science and Engineering at the University of Albany, with which Downstate has a close working partnership. Two additional Downstate staff have been awarded ECRIP grants: Arthur Grant, MD, PhD, associate professor of neurology, and Daniel Lee, MD, assistant professor of surgery.

**20. Charles Abrams, MD, PhD, associate professor of neurology, has received a grant from the Muscular Dystrophy Association to study the role of connexin protein mutations in Type 1X Charcot-Marie-Tooth (CMT) Disease.**



People with X-linked CMT develop central nervous system symptoms in addition to dysfunction of the peripheral nervous system.

**21. Howard Crystal, MD, professor of neurology and pathology, is participating in an NIH-funded pilot study on the effects of vascular health, aging, and highly active antiretroviral therapy (HAART) on cognition in HIV.**

**22. Janina Diana Ferbinteanu, PhD, research assistant professor in physiology and pharmacology, has been awarded an NIH grant for research on episodic memory.**

**23. The NIH's Neuroscience Research Education Program has awarded Dr. Steve Levine a grant for Resident Training in Research Activities in Neuroscience (SUNY R TRAIN), designed to formally develop physician neuroscientists specializing in neurology in Downstate's College of Medicine.**

The program provides research and educational experiences that prepare trainees to successfully compete for fellowships and other mentored career development awards to advance their careers. Other grants Dr. Levine received are: "ARTSS-2: A Pilot, Phase IIb, Randomized, Multi-center Trial of Argatroban in Combination with Recombinant Tissue Plasminogen Activator for Acute Stroke" and : "Rapidly improving stroke symptoms: A pilot study."

**24. Jeffrey Birnbaum, MD, MPH, associate professor of pediatrics and director of the HEAT program for adolescents at risk, was the recipient of several research grants in 2012.**

They include: funding from the New York Department of Health and Mental Hygiene for comprehensive HIV/STI/Hepatitis C prevention, especially in communities of color; a grant from the Gilead Foundation for Project TNT (Teens Need Test); Elton John AIDS Foundation support for a young msm (men who have sex with men)/transgender health project; and a HEAT Program Community Grant from the United Way of New York City.

**25. Tonya Taylor, PhD, assistant professor of medicine, HIV Center for Women and Children, was named PI on an NIH-funded study of the prevention needs of older women with HIV.**

Given that nearly 30 percent of Americans with AIDS are age 50 or older, the sexual risk behavior of HIV-positive older people is a neglected area of research.

**26. Scott Miller, MD, professor of pediatrics, is clinical PI at the Downstate site of the BABY HUG follow-up trial.**

Evidence of the laboratory benefits of hydroxyurea and its clinical efficacy in reducing acute vaso-occlusive events in adults and children with sickle cell anemia has accumulated for more than 15 years. BABY HUG is a randomized, double-blind, placebo-controlled trial to test whether treating young children ages 9 to 17 months at entry with a liquid preparation of hydroxyurea can decrease organ damage in the kidneys and spleen.

**27. Tatyana Pestova, PhD, DSc, assistant professor of cell biology, has received a three-year grant from the Human Frontiers Science Program, which supports international scientific collaborations, to conduct research on gene expression, focusing on the mechanisms of translation.**

**28. Brahim Chaqour, PhD, associate professor of cell biology and ophthalmology, received a grant award from the National Eye Institute of the National Institutes of Health to support his research on disorders of retinal vessel growth and function, which are responsible for vision loss in retinopathy of infant prematurity-a leading cause of vision impairment and blindness in childhood.**

This award, in the amount of \$1,571,000, provides Dr. Chaqour with the opportunity to continue his investigations in the mechanisms of retinal capillary closure and neovascularization that results in bleeding and retinal detachment. These are major causes of blindness in patients with diabetic retinopathy, retinopathy of infant prematurity, and age-related macular degeneration.

**29. Clotilde Balucani, MD, research fellow in the Department of Neurology, received both an American Heart Association and American Academy of Neurology research fellowship award.**



# **RESEARCH ADVANCES**

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**1. The Brooklyn Healthcare Improvement Project (B-HIP), a coalition of Brooklyn hospitals, health centers, insurers, grass roots community organizations, and government agencies led by SUNY Downstate Medical Center, released a report detailing the state of healthcare in Northern and Central Brooklyn.**

The report was funded through a New York State Department of Health HEAL-NY grant issued in February 2009. "Making the Connection to Care in Northern and Central Brooklyn," is the first ever comprehensive study of the healthcare system to be conducted in Northern and Central Brooklyn, among the most densely populated areas in the country. It is available at <http://www.downstate.edu/bhip/downloads.html>.

The study findings and recommendations were presented to the New York State Department of Health in Albany on August 23. "The extensive work of the B-HIP coalition and the Medicaid Redesign Team is an example of how community planning and input can support the transformation of the existing healthcare delivery system," State Health Commissioner Nirav R. Shah, MD, MPH, said. "The Brooklyn community is a priority of this administration, and this Report will assist and inform efforts to improve healthcare quality and stabilize the delivery system."

The Report provides a framework for regional healthcare planning. It also includes an invaluable window into the challenges associated with providing care to inner-city populations with significant levels of high-needs patients. While documenting that many emergency room (ER) visits are avoidable, it also documents widespread, deeply ingrained patient preference for using ERs for care instead of private physicians. Convenience, "one-stop care," and single instead of multiple co-pays play a critical role in patient decision-making. The Report is based on a block-to-block canvass of physician offices and healthcare facilities and interviews with over 12,000 emergency department patients and caregivers, as well as analyses of census information, New York State planning data, and claim data sets from eight insurance companies. In addition, B-HIP has created a Provider Directory and an innovative Geographic Information System database and mapping tool that will allow public health researchers to drill queries down to the census tract level.

**2. Research by Jeremy Coplan, MD, professor of psychiatry at SUNY Downstate, and colleagues found that worrying may have evolved along with intelligence as a beneficial trait.** Scientists at Downstate and other institutions found that high intelligence and worry both correlate with brain activity measured by the depletion of the nutrient

choline in the subcortical white matter of the brain. According to the researchers, this suggests that intelligence may have co-evolved with worry in humans. "While excessive worry is generally seen as a negative trait and high intelligence as a positive one, worry may cause our species to avoid dangerous situations, regardless of how remote a possibility they may be," said Dr. Coplan. "In essence, worry may make people 'take no chances,' and such people may have higher survival rates. Thus, like intelligence, worry may confer a benefit upon the species." The results of their study, "The Relationship between Intelligence and Anxiety: An Association with Subcortical White Matter Metabolism," was published in a recent edition of *Frontiers in Evolutionary Neuroscience*. The study was selected and evaluated by a member of the Faculty of 1000 (F1000), placing it in their library of the top 2% of published articles in biology and medicine. The study also attracted news media attention.

### **3. Researchers at Downstate and Lutheran Medical Center in Brooklyn, New York, found that living near a heavily congested highway correlates with a higher presence of asthma.**

In a study published in the *Journal of Allergy and Clinical Immunology*, the researchers found higher rates of asthma among those living closer to Interstate 278, near a portion known locally as the Gowanus Expressway, and lower rates of disease in those living in the same community but farther from the Interstate. SUNY Downstate's Maria-Anna Vastardi, MD, a fellow in Downstate's Division of Allergy and Immunology, said, "Our participants were randomly recruited and we observed that the patients who reported asthma live significantly closer to the Gowanus Expressway, compared to the healthy controls who live in the same area, but at a longer distance from the Gowanus." The findings indicate that proximity to a heavily trafficked highway correlates with the presence of asthma in adults, but not with seasonal allergy, according to Dr. Vastardi. The results suggest that vehicle emissions may increase the risk for developing inflammatory lung disease in adults. The study attracted articles in the news media.

### **4. Downstate researchers were among those to find benefit to early intervention in addressing brain abnormalities.**

Preemptive cognitive training—an early intervention to address neuropsychiatric deficiencies—can help the brain function normally later in life, a team of researchers has found through a series of experiments on laboratory rats. Their findings, which appear in the latest issue of the journal *Neuron*, hold promise for addressing a range of brain impairments in humans, including schizophrenia. The study was conducted by researchers at the State University of New York (SUNY) Downstate Medical Center, New York University's Center for Neural Science, NYU Langone Medical Center, and the Nathan S. Kline Institute for Psychiatric Research.

# **SUNY DOWNSTATE**

## **IN THE NEWS**

**SUNY Downstate Medical Center was featured in a wide variety of news media outlets during calendar year 2012. According to Vocus electronic news clipping services, Downstate faculty were the focus of, or gave expert commentary on over 300 topics, and Downstate was mentioned in more than 500 publications or online websites.**

**These included New York City publications such as the New York Daily News, news corporations such as ABC, CBS, Reuters, and Fox, national health wire services such as HealthDay, science sites such as Scientific American, local publications such as The Brooklyn Daily Eagle, and community-based publications such as Caribbean Life and The Jewish Press.**

**Following is a list of Downstate personnel or departments appearing in the media last year, and below that the names of the publications and websites that mentioned Downstate:**

<b>Name</b>	<b>Topic</b>
Dr. Michael Lucchesi	Avoid New Year's Day Pain
Dr. Michael Lanigan	New Blood Test May Rule Out Heart Attacks Quickly
John Stalzer and Daughter Brianna	Thank Brooklyn Firefighters for Saving His Life
Dr. Furquan Tejani	Juice Cleansing
Dr. Clifford Bassett	Holiday Allergy Syndrome
Rabbi Yitchok Holzman	Chanukah at SUNY Medical Center
Senator Eric Adams	Attended SUNY Downstate Chanukah Memorial Lighting
Downstate's First Baby	University Hospital, First Baby of the New Year

Dr. Pascal Imperato	FDA Curbs Use of Certain Antibiotics in Livestock, Poultry
Afiya Thomas, Yvette Cumberbatch	Five Nurses at UHB at LICH were awarded the Thomas &
Althea Carless, Maria Jimenez	Elizabeth Butson for Clinical Excellence
Margaret Giorgio	
Dr. Todd C. Sacktor	Putting Memory to Rest
UHB at LICH	When Cancer Screening Does More Harm Than Good
Dr. Douglas Lazzaro	Vision Loss in Elderly May be Linked to a Drug Many Use
Dr. Richard Rosenfeld	Building a Better Bottle by Going Back to Nature
Dr. Jeffrey S. Borer	Betsy McCaughey Tribute to the Borers & Downstate
Dr. Todd C. Sacktor	The Elementary of Memory
Dr. Amy Wechsler	How to Treat the First Signs of Aging
Dr. Olcay Batuman	Towards More Effective Treatment for Multiple Myeloma
Dr. Steven R. Levine	Mark Kirk's Surgery to Remove Section of Skull Indicates Serious Event
Dr. Douglas R. Lazzaro	SUNY Downstate Receives Grant Research to Prevent Blindness
H. Carl McCall	Received Downstate's First Dr. Martin Luther King, Jr Leadership Award
Jax Hubbard, RD	Health Bites
Dr. Jacob V. Aranda	Study Suggest Caffeine May Help Premature Babies
Dr. Douglas Lazzaro	Major Grant for Downstate Research
Dr. Douglas Lazzaro	Downstate Granted \$\$\$ to Prevent Blindness
Dr. Dawnette Lewis	Rick Santorum's Daughter Isabella Has Trisomy 18
Dr. Mary Fatehi & Dessa Garnett, RN	Women's Health Screen Day
Dr. Michael Weber	Endothelial Function and Cardiovascular: From Hypothesis to Treatment

Dr. David Erlij	Mechanism of Calming Hyperactivity by Psychostimulant Drugs Identified
Dr. David Erlij	How Stimulants Calm in ADHD
Craig Ness	SUNY Downstate Student Leads Effort to Build Homes in Mexico
Kevin Antoine, JD	SUNY Downstate Launches Annual History Month Celebration
Dr. Douglas R. Lazzaro	There's More to an Eye Exam than Meets the Eye
Dr. Michael Lucchesi	What's the Harm in a Few cigarettes?
Dr. Pascal J. Imperato	Walmart "Great for You" Healthy Labels
Dr. Laura A. Geer	Study Finds Caribbean-American Women at Higher Risk for Elevated Mercury Levels
Dr. Laura Geer	Some Pregnant Moms Eating Too Much Fish
Dr. Richard Rosenfeld	Antibiotics or necessary or Helpful for Acute Sinusitis
Dr. David Erlij	Mystery of Psychostimulant Paradox
Dr. Jessica Krant	7 Ways to Get Healthier Lips for Valentine's Day
Dr. Todd Sacktor	Neuron Memory Key to Taming Chronic Pain, New Research Suggests
Dr. Michael Weber	"Conflict of Interest" Outdated Phrase for Physician-Industry Relationship?
Dr. Jack DeHovitz	World-renowned HIV/AIDS Physicians Visit Downstate
Dr. Douglas R. Lazzaro	An Eye Exam Can Save Your sight
Dr. Mary Fatehi	Women's Health Screening Day
Dr. Iihan Karablack	Long-term Kidney Transplant Outcome in Obese Patients in a Predominantly African American Population
Dr. Todd Sacktor	Eternal Sunshine Drug Points the Way toward Counteracting the Agony of Chronic Pain
Dr. Todd Sacktor	The Forgetting Erases Painful Memories Forever
Dr. Todd Sacktor	The Forgetting Pill Erases Painful Memories Forever



Dr. Todd Sacktor	The Ability to Erase Traumatic Memories Biologically
Dr. Stanley Fisher	Brooklyn Aviators Make Annual Trip to Downstate Medical Center
Dr. Stanley Fisher	Playoff-bound Aviators to Visit SUNY Downstate
Downstate at LICH	From the Brooklyn Aerie
Dr. Stephen Turner	Expert Advice on the Illnesses That Bother Babies Most
Alpha Kapa Alpha Sorority	“Baby Hugs” Hugs Downstate LICH Infants
Dr. Kaiser Islam	Brooklyn Free Clinic
Dr. John Weigand	Protect Your Hearing in the Digital Age
Dr. Erin Gilbert	Advances in Diagnosing Non-melanoma Skin Cancers
Dr. Jeffrey M. Birnbaum	National HIV Legal Organization Releases First Standards for the Sexual Health Care of Youth in Detention & Foster Care Centers
Dr. Deborah Gustafson	New Dementia Study finding Recently Were Reported by Dr. Gustafson and co-researchers
Dr. Claudia Martinez	Making the Most of Med-COR
Dr. David Wlody	Pain Medication That Can Help
Dr. Dee Burton	NYC Health Campaigns Decrease Number of Asian Smokers
Barbara Maffia, RN	Nurses Critical to Fulfilling Patients’ End-of-life Wishes
Christine Hooker, MSN, RN	Nursing and the Trend toward Outpatient Care
Dr. Mark Avram	Female Pattern Baldness: The Ludwig Scale
Dr. Diana Dow-Edwards	Data from Downstate Advance Knowledge in Cannabinoids
Dr. Sarita Dhuper	SUNY Downstate to Hold Obesity Conference
Dr. Clifford Bassett	Many People Suffered from Springtime Allergies
Dr. Mike Klein	Study: Ipads Let Doctors Work more efficiently
Dr. Rebecca Seigel	Honoring Women

Dr. Jeffrey S. Borer	Premier Scientific Conference on Diagnosis, Evaluation, Treatment and Management of Heart Valve Diseases
Dr. Randall Barbour	Dynamically Reporting and Replacing Neural Networks
Stephen R. Marrone, RN	Wearing the “Unweanable”
Kevin L. Antoine, JD	US Rep. Donald Payne: Remembering My Political Mentor
Dr. Clotilde Balucani	Asymptomatic Carotid Disease Impairs Cognitive Function
Dr. Jason Hershberger	Depression and Its Treatment
Dr. Jason Hershberger	Suicide Prevention: An Expert Weighs in on How to Spot the Signs
SUNY Downstate	How to Get a Free Mammogram
Dr. Daveed D. Frazier	200 Spine Surgeons and Specialists to Know
Dr. Warren D. Widmann	Large Variation Found in Payment for Nine Common Surgical Procedures
Dr. Jeffrey S. Borer	Next Big Cholesterol Drugs on the Way?
Drs. Imran Kahn & Carl Cohen	Negative Symptoms of Schizophrenia Can Fluctuate in Later Life: Presented at AAGP
Dr. Larry Lutwick	Food-borne Illness: 5 Things Primary Care Physicians Need to Know Now
Drs. John LaRosa & Ian Taylor	SUNY Downstate Students Have Strong Showing on National Match Day
Dr. Daniel M. Siegel	Takes Office at AAD
Dr. Gopika Are	LICH Saves Boerum Hill Mom-to-Be with Emergency C-Section
Dr. Thomas K. Weber	Preventing Colon Cancer
Dr. Steven R. Levine	Telestroke Triage Comes of Age
Dr. Jason Hershberger	Almost Alcoholic’: Close to the Real thing, Says New Book
Dr. Rauno Joks	8 Tips for Asthma Caregiving
Dr. Maria-Anna Vastardi	Traffic Proximity Linked to Adult Asthma

Dr. Marina Boruk	Gardening in Carroll Gardens
SUNY Downstate	Free Colorectal Cancer Screening Assessment
Dr. Todd Sacktor	Receives Merit Award from National Institute of Mental Health
Dr. Todd Sacktor	Following Joshua Foer to the USA Memory Championship
Dr. Michael Lanigan	BBQ Danger: Wires from Grill Cleaners Swallowed in Food
Downstate CarFit	Event Aims to Help Seniors Enhance Driving Safety
Dr. Eva Cramer	How One Woman is Turning Brooklyn into a Biotech Hub
Dr. Eva Cramer	Biotech Grows in Brooklyn
Dr. Eva Cramer	Biotech Cluster Development in Brooklyn
Dr. Jessica Krant	Is Your Skin Spot Cancerous? The Skinny on Moles
Dr. Amy Wechsler	When Your Skin-care Products Expire
Dr. Richard Kollmar	Speak to Biology class about His Research with Zebra Fish
Dr. Jeremy Coplan	Anxiety Linked to High IQ
Dr. Alan Shalita	Thyme's Time as Acne Remedy May Be coming Soon
Dr. David Erstein	High Pollen Count, Brooklyn Allergist Give Advice
Dr. Daniel Ehlke	Seeking a Cure
Drs. Todd Sacktor and Andre Fenton	Erasing Painful Memories
Dr. Todd Sacktor	Receives Merit Award from National Institute of Mental Health
Dr. Spiro Demetis	Taking a Breath
Dr. Peter Smith	Brooklyn-based Study, MDs Report on Dangers of COPD
Dr. Richard Sadovsky	Personalized Interventions Work Best for People with Multiple, Chronic Illnesses
Dr. Jeremy Coplan	Worrying and Intelligence Find Evolutionary Link
Dr. Jeremy Coplan	Anxiety Linked to Smarts in Brain Study

Dr. MaryAnn Banerji	When It Come to A1C Blood Test for Diabetics, One Level No Longer Fits All
Dr. MaryAnn Banerji	Value of Metformin, Insulin Combo for Type 2 Diabetes Questioned
Dr. Clifford W. Bassett	Pollen Payback
Dr. Stephen Turner	Obese Mom Makes Eight Year Old Daughter Go on Diet
Eric Conklin, Lamarr Norwood	Eggs, Music and Hammers at BBP's Spring Fling
Drs. John LaRosa & James Cottrell	Million Dollars for SUNY Downstate
Dr. Jeffrey Borer	FDA Advisor: Benefits Trump Risk for HeartWare Ventricular Assist Pump
Dr. John G. Kral	Severe Obesity: The Neglected Epidemic
Dr. Morrell M. Avram	Audrey's Society Whirl: Arthur Ashe Institute for Urban Health Hosts 18th Annual Sportsball Gala
SUNY Downstate	Flatbush Health Fair at YWCA
Dr. Michael Lucchesi	Necrotizing Fasciitis
Dr. Richard Rosenfeld	Oral Steroids Don't Clear Up Sinus Infections
Dr. Michael Lanigan	Six Common Kitchen Injuries and How to Prevent and Treat Them
Dr. Marina Boruk	How to Deal with Late Summer Allergies
Isabel Rodriguez, MPH	Are You Part of the Youth Smoking Epidemic?
Dr. Marian Dunn	What is Good Sex?
Stephen R. Marrone, RN	AONE Announces Recipients of 2012 Recognition Awards
Dr. Charles Abrams	Awarded Grant by Muscular Dystrophy Association to Study Charcot-Marie-Tooth Disease
Dr. Andre Fenton	Clinical Trial Could Reverse Scourge of Cerebral Malaria for Survivors
Ms. Catherine Chan	Brooklyn College Swimmer Up for the Prestigious AA Sports Scholar Award

Drs. DeHovitz & LaRosa	“Nearly 11 Years Later, Brooklyn Finally Gets a Clinic to Treat 9/11-related Illnesses”
Dr. Jeremy Coplan	There’s No Point in Worrying: Or is There?
Drs. Cottrell, LaRosa, Taylor	State Education Commissioner John B. King, Jr., Visits
Diane Rhoden (student)	Downstate and Clara Barton High School
Dr. Todd Sacktor	How Does Cutting-edge Science Stack Up against the Fictional World of Men in Black
Dr. Ciril J. Godec	The Goal: To Live Long and Die Quickly
Stephen R. Marrone, RN	New York Nurses Share How Colleagues Inspire Them Every Day
Dr. Stephen Turner	What to Do When Your Child has a High Fever
Dr. David Biro	Review-Listening to Pain
Dr. Ellen Ginzler	Lupus Nephritis: First ACR Guidelines Published
Ms. Lusana Ahsan , student	NIH Medical Scholars Program Announced First class
Dr. Michael Lucchesi	Necrotizing Fasciitis: What is the Flesh-eating Disease?
Dr. Moro Salifu	Ablating Nerves in Patients with CKD Improves Blood Pressure
Dr. Richard Rosenfeld	5 Things You Need to Know about Earwax
Dr. Richard Rosenfeld	Cleaning Our Your Ears
UHB	Health Fair
Ms. Maria Yomtov	UHB Health Fair
Downstate	Malika Issoufou Mahamodou, First Lady of Niger, Visits State University New York
Dr. Pascal Imperato	Flesh-Eating Bacteria No Cause for Panic, Expert Say
Dr. Abhishek Pandey	Foreign-Born in US Report Less Hypertension
Downstate	A Closer Look at PSA Testing and Prostate Cancer: The Screening Debate, Genetic Connection and Risk in Young Men
Dr. Michael Webber	Thiazides Best Only for Obese Hypertensive

Dr. Mark Song	Varicose Veins: Ugly and Unsightly, but Prevention and Treatment are Possible
Dr. M. Mahmood Hussain	Research on Diet and Nutrition by Scientists at SUNY Downstate
Downstate LICH	Oh Boy! Son Saves Mom's Life When She Has Heart Attack
Dr. Henry R. Paul	Howard University Hospital and US-based Haitians Responding to Haiti's Continuing Struggle
Dr. Michael Lucchesi	What's in Your Medicine Cabinet?
Dr. Pascal Imperato	Antibiotic-resistant Gonorrhea Spreading
Dr. Richard M. Rosenfeld	There Could Be A simple Solution for Hearing Loss
Downstate's biotech	LI Lab Squeeze: Lacking Space, Start-ups Are Leaving Island
Dr. Edward Quadros	Less Folic in Pregnancy Tied to Autism, Study Suggest
Dr. Abhishek Pandey	How Well do You Sleep?
Dr. Richard Rosenfeld	C-Section Babies May Be More Likely to Fail First Hearing Test
Dr. Steven Schwarz	Powerful Magnets in Toys Raise Risks from Swallowing
Dr. David Wlody	Childbirth Pain and What You Can Do About It
Downstate Early Medical Education	Students Earn Entry into Coveted Pre-Med Program
Dr. Peter Smith	Brooklyn Mourns Dennis Holt, Who Covered Boro's News for 30 years
Mr. George Wahlert	Let Your Patriotism Fly on Flag Day
Dr. Adam Goodman	Downstate Provide Details of New Studies and Findings in the Area of Pancreatitis
Dr. Pascal Imperato	Health of Americans a Mixed Bag: CDC Report
Dr. Sydney C. Butts	40 Under Forty Class of 2012
Dr. Amanda Harris	New York Magazine's Best Doctors 2012
Dr. Maria-Anna Vastardi	Asthma Plagues those in Shadow of Gowanus Expressway
Dr. Jeffrey Borer & Ms. Phyllis Supino	Evaluation and Management of Valvular Heart Disease

Dr. Michael Lanigan	Can Exercise Prevent Migraines?
Dr. Furqan Tejani	Too Much Sitting May Double Women’s Risk of Blood Clots
Downstate Ruling	YEA & NAY Brooklyn Reacts to Supreme Court Health Care
Margaret Jackson, RN	GNYNSTONE Reception Offers Past President’s Nursing Advice
Drs. Whitney Bowe & Erin Gilbert	Skin Cleansing Enters the Electronic Age
Dr. Jessica J. Krant	Why We Sunburn
Dr. Michael Lucchesi	What You Can Do to Protect Yourself Against West Nile Virus
Dr. Richard M. Rosenfeld	6 Early Warning Signs of Hearing Loss
Brooklyn Health Disparities Center	Southwest Brooklyn Reacts to Health Care Act Green Light
Dr. Richard M. Rosenfeld	How to Treat Swimmer’s Ear
Dr. Steven Levine	Award to Develop Mobile Phone Apps for Stroke Patients
Dr. Jessica Krant	Summer Hair Problems, Solved
Dr. Michael Lucchesi	What to Do When Kids Ingest Poison
Dr. Michael Lucchesi	Scientists Locate Gene that Could Protect against Alzheimer’s
Dr. Henry Paul	Audrey’s Society: A Night of Hope for HAA Medical Missions and Fort Liberte Hospital
Dr. Jessica Krant	Is Your Skin Spot Cancerous? The Skinny on Moles
Mr. Andrew Catalano	Hospital Food Goes on a Diet
Downstate at LICH	Community Health Fair
Dr. John F. Williams	John Williams Named President of Downstate Medical Center
Dr. Frank Gress	Low-Fat Foods That Can Help Manage Exocrine Pancreatic Insufficiency
Dr. Girardin Jean-Louis Ms. Ruth Browne, ScD	5.5M for “Barbershop Outreach”
Drs. Moro Salifu & Mark Stewart	Downstate Granted 5.5M to Reduce Health Disparities in Minorities

Dr. Mary-Ann Banerji	New Diabetes Gene Identified
Downstate at LICH	Cancer Support Group for Women
Dr. Jack DeHovitz	HIV Care
Dr. Michael Lucchesi	Tips for Getting Kids on a Healthy Back-to-School Routine
Ms. Grace Wong	What Will Heal Brooklyn Health Care?
Dr. Steven Levine	Prognosis for Medical Apps Is Guarded
Dr. Andre Fenton	Head Start: Early Learning Could Compensate for Cognitive Deterioration
Dr. Richard M. Rosenfeld	Antibiotic Resistance: New Findings, Approaches to a Public Health Crisis
Dr. Jeffrey Borer & Ms. Phyllis Supino	Springer Publishes Principles of Research Methodology: A Guide for Clinical Investigators
Dr. Jeffrey Borer	Ivabradine May Reduce HF Readmissions
Dr. Deborah Gustafson	Obesity Makes You Dumber Sooner
Ms. Margaret Jackson, RN	SUNY Downstate Benefits from Nurse Residency Program
Ms. Michele Roberts, RN	Patients Report High Number of Medical Mistakes
Downstate	Cancer Expected to Finally Be Covered under 9/11 Fund
Eamon Quirke	Ace Energy Over \$600,000 in Funding for energy Saving Lighting at Brooklyn Hospital
SUNY Downstate	Receives 2.95 Million NSF Grand for Mentoring program
Downstate University Hospital	Free Prostate Screening
Downstate LICH	Cobble Hill Calendar
John Conley Division	Implications of the Affordable Care Act
Dr. Hilary Baldwin	Adult Acne: What to Do Whit Zits Return
Dr. Eva Cramer	Choosing the Right Incubator



Dr. Gerald Deas	A Magical Nutritional Adventure Educates Youngsters, Parent about Health Eating
Kevin Antoine, JD	Diversity's Evolution
Dr. Jessica Krant	Top 5 Ways to Heal with Tea Tree Oil
Mr. John Byrne	IOM Calls for Greater efficiency, Technology and Engagement
Dr. Michael Lanigan	Tick in Man's Ear Gives Him Tinnitus
Dr. Robert Gore	Prescribing a Cure for the Community
Dr. Jack DeHovitz	HIV Incidence Climbs in Eastern Europe
Downstate	SUNY Plaza Building to Help Shed Light on Domestic Abuse
Dr. Rebecca Twersky	Key Trends in Ambulatory Anesthesia
Dr. Stephen Turner	Why is Whooping Cough Back?
Dr. Fidelio A. Jimenez	Science and Technology: Curious Souls
Downstate LICH	For a Better Park Gateway
Dr. Pascal Imperato	Meningitis Outbreak Not Over Yet: Experts
Dr. Pascal Imperato	Up to 13,000 Got Steroid Shots at Center of Meningitis Outbreak: CDC
Dr. Amy Wechsler	How to Treat the First Signs of Aging
Dr. Jean Tropnas	SUNY Downstate to Host Haitian Mental Health Forum
Downstate LICH	BBP's Harvest Festival
Dr. Michael Weber	White Coat Hypertension Presents an Elusive Challenge
Dr. John Kubie	Brain Anatomy
Sarah Marshall, RN	Take Your Man to the Doctor
Downstate	Team Jamaica Bickle 5K Promotes a Healthy Lifestyle
Dr. M.A.Q. Siddiqui	Putting a "Hex" on Muscle Regeneration
LICH	Brooklyn Today
Dr. Richard Rosenfeld	The Good, the Bad and the Eww of Earwax Removal

Dr. Jessica Krant	Natural Cosmetics: Top 3 Questions Answered
George Bezares & Jasmine Martinez	Carroll Gardens Resident Thanks Downstate LICH EMS Crew Who Saved His life
Dr. Steven R. Levine	An App a Day to Keep the Doctor Away”
Ms. Maureen Walsh Roaldsen	Decades of Miss Subways Smiled on NYC Straphangers
Downstate	Free Lecture on Autism: Different Approaches to Treatment
Downstate	Breast Cancer Support Groups in Brooklyn
Dr. John F. Williams	Joins Efforts to Strengthen Urban Health
Dr. Pascal Imperato	Discusses Recent Outbreak of Meningitis from Trinidad
Ms. Nellie Bailey, RN & Paulina Marfo-Boating, RN	Work, Life, School, Balance
Ms. Ruth Browne, ScD	AAIU and Hair Salons Spread the Word on Health Risks and Prevention
Dr. Michael Lucches	A Child with 2Moms, 1 Dad: Ethical Concerns Surrounding 3-parent IVF
Dr. Michael Lucchesi	Diseases and Illnesses Common after Major Hurricanes
Dr. Caitlin Jones	Safety Tips for Avoiding Injury and Illness during Hurricane Sandy
Dr. John Williams, Dr. Steven Levine, Dr. Richard Sinert	Downstate to Join Neurological Emergencies Treatment Trials Network
Dr. Michael Myers	Interventions Address Physician Burn-out
Dr. Jerry G. Blaivas	Horizontal Loops in Catheter Tubing Make for Worst Flo
Downstate	New Purpose and Outlook on Life for Brooklyn Mom and Breast Cancer Survivor
Dr. Girardin Jean-Louis	Time Change Means Turning Clocks Back on Sunday
Downstate	More After School

Dr. John Williams	Downstate Breaks Ground on Final Phase of Biotech Incubator
Dr. Ellen M. Ginzler	Lupus Foundation of America Recognizes top Researchers
Dr. David Goddard	Avoid Getting Sick When You Have Symptoms of Rheumatoid Arthritis
Mental Health Forum at Downstate	Unique Challenges Face Psychiatrists Treating NY's Haitian Community
Ms. Catherine Gallogly-Simon, RN	Course: Medication Reconciliation
Dr. Travis Meyer	For Residents
Ms. Wanda Hernandez	The Flu Is Not For You
Dr. John Williams	The doctor Is in the House
Dr. John Williams	Who Is Essential?
Downstate LICH	Brooklyn Storms Back
Dr. David Landman	Deadly "Superbugs" Invade U.S. Health Care Facilities
Dr. Jason Hershberger	The Trouble with Reading Faces
Dr. Ian Taylor	New York's Medical Schools Urge Congress to Preserve Funding for Scientific Research and Workforce Development
Downstate Research	From the Lab to the Shelf
Dr. Clinton Brown	Brooklyn News
Dr. Eli Freedman	How to Work with Your Healthcare Provider Is Subject of Kidney Club Talk
Dr. Ruth Westheimer	Dr. Ruth Speaks on Sexuality and Aging
Dr. Michael Weber	Consider Weight When Choosing Blood Pressure Meds: Study
Drs. Douglas Lazzaro & Wayne Scott	NY Medical Team Leads Way for Surgery on Traumatic Eye Injuries
Dr. Rauno Joks	Food Allergy or Food Intolerance: Know the Difference
Downstate	Downstate Offers Urgent Care in Bay Ridge
P.J. Tiberio, student	US Facing Drastic Shortage of General Doctors

UHB	12/12/12 Baby
Dr. Michael Lucchesi	Sandy Sickness
Dr. Richard Rosenfeld	Discovering Truth in Research
Dr. Stanley Fisher	Health Issues Dominate Cobble Hill Meeting

## **An alphabetical listing of publications and websites that mentioned SUNY Downstate in 2012 follows:**

ABC News - Online	Animal Lab News (ALN) Magazine
Addiction Research Breaking News	Anton Community Newspapers - Online
Adirondack Enterprise	Anton Community Newspapers - Online
Adirondack Enterprise - Online	Asbury Park Press - Online
Advance for Nurses - Online	Asian News International
Advance for Respiratory Care and Sleep Medicine - Online	Aspen Times - Online
Advance for Speech-Language Pathologists & Audiologists - Online	Associated Press (AP)
ADVFN USA	Atlantic, The
Advocate - Online, The	Audio Video Producer
Advocate, The	Augusta Chronicle - Online
Afro-American Newspapers - Baltimore Edition - Online	Bio-Medicine
AFT On Campus - Online	BioPortfolio
Air Conditioning, Heating & Refrigeration News - Online, The	BioSpace.com
AkronNewsNow.com	Biotech Week
Albuquerque Express	BioWorld Today
AlbuquerqueNews.net	Blood Weekly
All About Jazz	BombayNews.net
Allure - Online	Boston Globe - Online (press release)
All Voices	Bradenton Herald - Online
am New York - Online	Briefingwire.com
American Banking News	BritainNews.net
American Psychologist - Online	Bronx News (bxnewsnet)
AmsterdamNews.net	Brooklyn Daily Eagle - Online, The
Anchorage Daily News	Brooklyn Paper Publications - Online
Anchorage Daily News - Online	Brooks Community Newspapers
AndhraNews.net	Brownstoner, The
Animal Lab News (ALN) - Online	BruineiNews.net
	Buenos AiresNews.net
	Buffalo News - Online
	Business Review USA



# **“HEALTH CENTER”**

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In addition to the foregoing news media coverage, Gerald Deas, MD, MPH hosted Downstate’s own television program, Health Center, appearing regularly on cable television in Brooklyn, Manhattan, Queens, and the Bronx. Dr. Deas is director of health education communication at Downstate. Also hosting was Lorraine Brooks, MPH, director of the Employee Assistance Program.

## **Subject**

Pediatric Critical Care:  
The Argo Starch Campaign:  
Achievement Celebration:  
Subdural Hematoma:  
Caring for Patients in Winter:  
Dr. Martin Luther King Award:  
Nuts and Bolts of Primary Care:  
Nurse Anesthetist, Pt.1:  
  
Nurse Anesthetist, Pt.2:  
Black History Month Opening:  
  
Women in Medicine:  
Prescription Drugs Addiction:  
HIV Prevention, Pt 1:  
HIV Prevention, Pt 2:  
CarFit Program for Seniors:  
Tobago Progressive Society:  
Hearing 2012:  
Breathing Exercise, Pt. 1  
Breathing Exercise, Pt. 2  
NAMI  
Coping with spinal injury

## **Guest(s)**

Francscene Oulds, MD  
Julie Black-Peart, MPAS  
John C. LaRosa, MD; Martin Salwen, MD  
Minister Clemson Brown  
Miriam T. Vincent, MD, PhD  
H. Carl McCall and Lorraine Brooks, MPH  
Miriam T. Vincent, MD  
Joseph Jenna, CRNA, MS and Ms. Alexandra  
Fairey  
Joseph Jenna, CRNA and Mr. Antonio Araujo  
NYC Councilman Mathieu Eugene and Brig. Gen.  
Stayce D. Harris  
Miriam Vincent, MD,  
Lorraine Brooks, MPH  
Monica Sweeney, MD, MPH, FACP  
Monica Sweeney, MD, MPH, FACP  
Megan Lee & Laura Campagan  
Stephen Issac  
John Weigand, AuD, FAA  
Richard Sable, MA, OTR, MPH, GCFP  
Richard Sable, MA, OTR, MPH, GCFP  
Mabel Martinez-Almonte, OTR/L  
Mabel Martinez-Almonte, OTR/L

Nourish Our Kids, Pt. 1	Donna Terjesen, CHHC and Angela Pariselli Velez
Nourish Our Kids, Pt. 2	Donna Terjesen, CHHC and Angela Pariselli Velez
Alternative Medicine, Pt. 1:	Linda Caleb Hazel, MScEd
Alternative Medicine, Pt. 2	Linda Caleb Hazel, MScEd
The Rising-Mentoring Program:	Sadeaqua S. Scott, PhD
Domestic Violence:	Lorraine Brooks
Prostate Health:	Richard Sadovsky, MD
Avoid Catching a Cold:	Richard Sadovsky, MD
Flatbush Diabetes:	Mary Ann Banerji, MD
OB/GYN Update:	Nagaraj Gabbur, MD
Chronic Conditions:	Richard Sadovsky, MD
Relationships:	Richard Sadovsky, MD
Childhood Diabetes:	Sabrina Gardner and Carolyn Gershenson, RN
Alternative Medicine:	Kamau Kokayi, MD
Danny Dixon, Pt. 2:	Danny Dixon
RICH Program, Pt. 1:	Bill McCreary & Jacqueline Dawson, PhD
RICH Program, Pt. 2:	Bill McCreary & Jacqueline Dawson, PhD

# Accreditation and Recognition

**1. SUNY Downstate, as a sponsor of medical residency and fellowship programs, received a full, five-year institutional re-accreditation from the Accreditation Council for Graduate Medical Education (ACGME), which is responsible for the accreditation of post-MD medical training programs in the United States.**

Accreditation is accomplished through a peer-review process and is based upon established standards and guidelines. As part of its mission to provide excellence in education, research, and clinical care with an emphasis on urban health concerns, SUNY Downstate sponsors graduate medical education for more than 1,000 residents and fellows in over 50 specialties and subspecialties. These residents train at Downstate's University Hospital of Brooklyn and 32 affiliated sites.

**2. Five programs of the College of Health Related Professions underwent review by their respective accreditation agency.**

Midwifery, Occupational Therapy, and the Physician Assistant program were awarded full accreditation for the maximum period. Diagnostic Medical Imaging and Physical Therapy are expecting their outcome this year.

**3. Downstate's STAR (Special Treatment and Research) Health Center received Level 3 recognition by the National Committee for Quality Assurance (NCQA) as a patient centered medical home (PCMH) (2013-2016). Level 3 designation is NCQA's highest achievable recognition for a medical group.**

NCQA is a private, non-profit organization dedicated to improving health care quality that accredits and certifies a wide range of health care organizations. It also recognizes clinicians and practices in key areas of performance. NCQA's Healthcare Effectiveness Data and Information Set (HEDIS®) is the most widely used performance measurement tool in



health care. NCQA's PCMH program recognizes physician practices that prioritize the strengthening of the physician-patient relationship, coordinate care for patients across multiple settings, and engage in a team approach to improving patient care.

**4. In 2012 it was announced that Downstate's University Hospital of Brooklyn performed very well in Healthfirst's Member Satisfaction component of the 2011 Hospital Quality Incentive Program, more than doubling its patient satisfaction score.**

**5. Downstate's College of Medicine extensively prepared for a scheduled 2013 site visit by the Liaison Committee on Medical Education.**

**6. Nursing student outcomes were excellent:**

Accelerated BS in Nursing graduates achieved 100% pass rate on the NCLEX (National Council Licensing Exam); Nurse Anesthesia graduates achieved 100% national certification pass rate on the Council on Certification of Nurse Anesthetists exam; and Women's Health Nurse Practitioner graduates achieved 100% national certification pass rate on the National Certification Corporation exam.

**7. College of Medicine benchmarks for 2012 included:**

- Total student admission applications increased from 3,916 in 2006-7 to 5,566 in 2012-13 (42% increase). Over that time, the average MCAT score of the entering class has increased from 30.24 to 32.12.
- Over the last seven years, Downstate's students exceeded the national pass rate on Step 1 of the national boards. 100% of Downstate's Medical students passed Step 1 in 2012 at the first attempt. 99.5% of Downstate students passed the Step 2 Clinical Knowledge exam, compared to the national rate of 97%.
- Downstate is in the upper decile of all US medical schools in the percent of graduates (97%) who match into residencies at the first attempt.
- The student Self Study for the LCME concluded that "Students are proud of what Downstate represents and what it strives to achieve for its community."

- Data released by the AAMC in 2012 showed that, in 2009, Downstate graduated 155 New York residents. This is more than twice the output of Columbia and Cornell's medical schools combined.
- In 2012 Downstate ranked 10th in terms of graduates who go on to be faculty, ahead of Johns Hopkins, NYU, UCSF, Cornell, Yale, Duke, and Washington University.
- Downstate is in the top decile of all schools in the percentage of both underrepresented faculty and students.
- Downstate has experienced a 46% increase in federal research expenditures from 2008 to 2012, which places Downstate second relative to the four SUNY medical centers.



# Department

# Activities

1. The Division of Gastroenterology and Hepatology held the **Second Annual Brooklyn Hepatology Update Course** on June 6, 2012 which introduced a nationally renowned faculty, which covered most of the hot topics in hepatology with updates from AASLD and EASL. A total of 175 participants attended the Course which included gastroenterologists, hepatologists, infectious disease specialists, surgeons, nurse practitioners, physician assistants, pharmacists, specialty nurses, house staff from SUNY and the Brooklyn medical community.
2. The Division of Gastroenterology and Hepatology held the **First Annual SUNY Live Endoscopy Course** on September 28, 2012. This course was a joint collaboration between the GI Divisions at the Downstate and Stony Brook campuses. A total of 85 participants attended the Course. Guest faculty included Dr. Priya Jamidar, clinical chief, Division of Gastroenterology, Yale University and Dr. Patrick Okolo, assistant professor, Division of Gastroenterology, Johns Hopkins University. Live cases were streamed in from the endoscopy units at Stony Brook, Winthrop University Hospital, and Downstate.
3. In April 2012, faculty from the HIV Center's Fogarty funded New York State International Training and Research Program (NYS-ITRP) conducted **research training for nurses in St. Petersburg**. Faculty included Susan Holman, RN, MS, Katherine Marx, NP, and a former Fogarty trainee.
4. On October 12, 2012 the HIV Center in collaboration with the HIV Research Centers Consortium hosted a conference, "**HIV Treatment as Prevention (TasP): Ethics, Policy and Implementation for the New York Region**" at New York University's Kimmel Center. The emphasis of the conference was on the practical realities, challenges, and ethical issues on how to scale-up TasP for the New York region. A host of nationally known speakers addressed such topics as pre-exposure prophylaxis, cost-effectiveness research, and public

policy perspectives from New York City and New York State. The meeting was funded by SUNY-DMC's John Conley Division of Medical Ethics and Humanities.

In November 2012, the HIV Center's Fogarty-funded New York State International Training and Research Program (NYS-ITRP) collaborated with Columbia University's Global Health Research Center for Central Asia (GHRCCA) on a similarly themed meeting in Almaty, Kazakhstan. The NYS-ITRP, led by Jack A. DeHovitz, MD, MPH, is a multi-institutional, multi-national collaborative effort sponsored by the Fogarty International Center at the National Institutes of Health that provides training for scientists in low- and middle-income countries to strengthen research and public health capacities at their institutions related to HIV/AIDS, tuberculosis (TB), sexually transmitted infections, hepatitis, and other emerging infections. The program is administered by SUNY-DMC in collaboration with the Wadsworth Center and the Division of Epidemiology at the New York State Department of Health and the SUNY Albany School of Public Health.

5. Jeffrey M. Birnbaum, MD, MPH, Executive Director of the Health and Education Alternatives for Teens (HEAT) Program, helped to draft the **Model Sexual Health Care Standards for Youth in State Custody**. The Center for HIV Law and Policy (CHLP), a national HIV legal resource and support center, released these standards, which were created to ensure that sexual health care is included in basic medical services for young people in detention and other types of state custody, and that it meets minimum requirements for competent care.

6. The Department of Obstetrics and Gynecology presented the **14th Annual Comprehensive Obstetrics and Gynecology Review Course**. The three-day event covered such topics as high-risk obstetrics, gynecologic oncology, urogynecology, endocrinology, infertility, and primary care, Faculty from Downstate included:

Nagaraj Gabbur, M.D. (Course Director)  
Course Director & Assistant Professor  
Director of Medical Education  
Department of Obstetrics and Gynecology

Ovadia Abulafia, M.D.  
Professor and Chairman  
Department of Obstetrics and Gynecology

Michael Augenbraun, M.D.  
Professor, Department of Medicine  
Director, Department of Epidemiology

Justin Classie, M.D.

Assistant Professor  
Department of Sports Medicine

Lisa Dresner, M.D.  
Associate Professor of Surgery  
Chief, Breast Surgery

Eve Faber, M.D., MPH  
Assistant Professor  
Department of Family Medicine

Gwen P. Gentile, M.D.  
Associate Professor  
Department of Obstetrics and Gynecology  
Director, Family Planning Services  
Kings County Hospital Center  
Medical Director  
Planned Parenthood of the Susquehanna Valley, Harrisburg, PA

Samuel Marquez, Ph.D.  
Assistant Professor  
Department of Cell Biology  
Director, Gross Anatomy, College of Medicine

Ozgul Muneyyirci-Delale, M.D.  
Associate Professor and Director  
Division of Reproductive Endocrinology  
Department of Obstetrics and Gynecology

Cedric K. Olivera, M.D.  
Assistant Professor  
Division of Female Pelvic Medicine / Reconstructive Surgery  
Department of Obstetrics and Gynecology.

In addition, 14 guest faculty participated.

7. A **Sleep Health Disparities Summit** was held jointly with NYU in August, on the NYU campus.

8. The **Larry S. Benardo Memorial Lecture**, sponsored by the Department of the Physiology and Pharmacology and the Department of Neurology, was held in May. The topic was "The Hippocampal Formation in Aging and Disease."

9. The Department of Surgery sponsored the **Annual Vincent V. UyBarreta, MD, Lecture**. The topic was residency training, and the speaker was Michael Garrett, MD, vice chair and professor of clinical psychiatry.

# FACULTY AND STAFF HONORS

1. **Alan R. Shalita, MD**, distinguished teaching professor and chair of dermatology at SUNY Downstate Medical Center, was chosen to receive the Gold Medal of the American Academy of Dermatology (AAD), the organization's highest honor. A pioneer in the treatment of acne, Dr. Shalita is recognized nationally and worldwide for his skills as a clinician, researcher, and educator in dermatology. Since 1975, Dr. Shalita has been chief of dermatology for both SUNY Downstate's University Hospital of Brooklyn and the New York City Health and Hospitals Corporation's Kings County Hospital Center, and a consultant in dermatology services for the Brooklyn campus of the VA New York Harbor Healthcare System. He is also associate dean for graduate medical education and clinical affairs at Downstate. The Gold Medal is presented by the AAD in recognition of outstanding and exceptional service to the specialty of dermatology and substantial impact on the future of the science, teaching, and practice of cutaneous medicine.

2. **Ellen M. Ginzler, MD, MPH**, distinguished teaching professor and chief of rheumatology at SUNY Downstate Medical Center, has been awarded the Lupus Foundation of America's prestigious Evelyn V. Hess Award. The award is presented annually to a clinical or basic researcher whose body of work has advanced the understanding of the pathophysiology, etiology, epidemiology, diagnosis, or treatment of lupus. Dr. Ginzler is internationally known as an expert on lupus nephritis, an inflammation of the kidneys that affects many people suffering from lupus. As principal investigator of an FDA Orphan Products Program grant to assess the efficacy and tolerability of two drug treatments for lupus nephritis, she headed the largest multicenter, investigator-initiated trial of its time for the disease. The results, published as the lead article in the *New England Journal of Medicine* in 2005, have changed the paradigm for treating lupus nephritis. Dr. Ginzler is a master of the American College of Rheumatology and a fellow of the American College of Physicians, and was a long-time member of the Board of Governors of the New York Chapter of the Arthritis Foundation. She has been an active participant in the Systemic Lupus International Collaborating Clinics and the Lupus Clinical Trials Consortium, both



organizations devoted to studying outcomes in systemic lupus erythematosus and promoting new therapies for managing the disease.

3. **Dr. Jeffrey Birnbaum** received the 2012 Linda Laubenstein Award for Excellence in HIV Care. This award, given by the New York State Department of Health AIDS Institute, honors those clinicians who, in addition to providing the highest quality of clinical care for people with HIV, are distinguished as well by their whole-hearted commitment to caring for those with HIV/AIDS.

4. **Sydney Butts, MD**, professor of otolaryngology, was honored as a "40 under Forty" dynamic achiever by Network Journal.

5. **Nira Goldstein, MD, MPH**, professor of otolaryngology, received the prestigious Harris P. Mosher Award from the Triological Society for her research thesis on pediatric sleep-disordered breathing.

6. **Frank Lucente, MD**, professor of otolaryngology and chair emeritus, became Life Fellow of the NY Academy of Medicine and the American Academy of Otolaryngology - Head and Neck Surgery Foundation.

7. **Richard Rosenfeld, MD, MPH**, chair of otolaryngology, was appointed Senior Advisor for Guidelines and Quality at the American Academy of Otolaryngology - Head and Neck Surgery and was co-chair of a national Clinical Practice Guidelines Conference at the NY Academy of Medicine.

8. **Abraham Shulman, MD**, became Editor Emeritus of the International Tinnitus Journal.

9. **Joshua Silverman, MD, PhD**, received a Resident Teaching Award and the Kings County Hospital Service Award.

10. **Michael Weiss, MD**, was the Faculty Honoree in Otolaryngology at the SUNY Resident and Fellows Graduation Dinner.

11. **Girardin Jean-Louis, PhD**, professor of medicine and psychiatry and research director of the Sleep Disorders Center, was invited to serve as a member of the National Heart, Lung, and Blood Sleep Disorders Research Advisory Board.

12. It was announced that **Lisa Merlin, MD**, distinguished teaching professor of neurology, will receive the Innovation Award, Consortium of Neurology Clerkship Directors, American Academy of Neurology.

13. Several members of the anesthesiology faculty were recognized as influential in their field by being named to prestigious positions of leadership in anesthesiology societies. **Audrée A. Bendo, MD**, has been named the Annual Meeting Chair for the American Society of Anesthesiology (ASA) and **David Wlody, MD**, was named the General Chairman of the Post Graduate Assembly for the New York State Society of Anesthesiology (NYSSA). Department Chair and Distinguished Service Professor **James E. Cottrell, MD**, a member of the New York State Board of Regents, published the 5th Edition of the Handbook of Neuroanesthesia, and Chief Resident. **Amit Patel, MD**, was elected President of the NYSSA Resident and Fellows Section. **Constance Hill, MD**, dean of minority affairs, continues to receive funding and administers a grant designated to assisting minority college and medical students.

14. **Dr. Jack DeHovitz** was appointed Brooklyn District President by the New York Chapter of the American College of Physicians. He also chaired a special panel discussion at the Fogarty 25th Anniversary AIDS/TB Program Meeting in conjunction with the 19th International AIDS Conference, on July 21, 2012 on NIH's Bethesda Campus.

15. **Tracey E. Wilson, PhD**, Professor, SUNY-DMC School of Public Health, Department of Community Health Sciences, was accepted as a Fellow in the American Academy of Health Behavior.

16. The State University of New York Board of Trustees appointed two Downstate faculty members to **Distinguished Professor** ranks, the highest system-wide honor conferred upon SUNY professors. Six other faculty and staff members have been honored with Chancellor's Awards for Excellence. Faculty and staff who were honored were recognized at a formal ceremony on November 28, 2012. They included:

- **Judith H. LaRosa, PhD, RN**, was named distinguished service professor for her contributions to community health and her key role in establishing the School of Public Health at Downstate-the first at a public university in New York City, the first in Brooklyn, and the first new school at Downstate since 1966. Her vision and dedication have helped create a unique student learning experience and a curriculum focused on the public health issues facing urban and immigrant communities.

- **George A. Vas, MD**, was named distinguished teaching professor. A superb educator who has been on the faculty at Downstate for 37 years, Dr. Vas has made significant contributions to the field of neurophysiology. He is nationally known for his expertise in interpreting electroencephalograms and evoked potentials, and has been ranked by U.S. News & World Report as among the top one percent of neurologists in the nation.

17. Three faculty and professional staff members have received Chancellor's Awards for Excellence for their contributions to Downstate and the State University:

- **Nicholas W. Galeota, MS, RPh**, is director of pharmacy at University Hospital of Brooklyn. In his 36 years at Downstate, he has been a leader in using new technologies to expand and improve pharmacy services, including an automated medication ordering system. Mr. Galeota has also developed effective medication safety training programs for staff, students, and residents.
- **Douglas R. Lazzaro, MD**, the Richard C. Troutman Distinguished Chair in Ophthalmology and Ophthalmic Microsurgery, is an expert in corneal transplantation and laser refractive surgery. In addition to directing one of the busiest residency training programs in the nation, Dr. Lazzaro has played a major role in establishing the SUNY Eye Institute, a partnership between five SUNY campuses, and has significantly increased grant funding for vision research.
- **Scott T. Miller, MD**, professor of clinical pediatrics, is one of the nation's leading researchers in the study of sickle cell anemia, an inherited blood disorder that primarily affects African Americans. Thanks to his work in numerous NIH clinical trials, treatments are becoming available to improve the lives of people with sickle cell disease.

18. In recognition of outstanding performance, three additional Downstate staff members in the classified service have been honored with Chancellor's Awards for Excellence:

- **Adanim Luboa, RN**, a nurse-educator at the Center for Dialysis at Parkside, has improved the lives of patients with renal disease by helping them self-manage their illness. She has a well-earned reputation for nursing excellence and dedication to patient care.

- Officer **Jacqueline Murray** of the University Police Department is an invaluable resource to Downstate and the community. She is certified as an emergency medical technician, as a domestic violence and crime prevention officer, and as a field training officer.
- **Maureen Walsh, RN**, is a child-life specialist in the Pediatric Department's Child Life Program, where she advocates for children with serious health conditions. By means of therapeutic play, she helps young patients through the healing process and also provides much needed support for their families.

17. **Daisy Cruz-Richman**, dean of the College of Nursing, was appointed to the American Association of College of Nursing (AACN) Task Force to examine the organization's by-laws, including its structure and governance. AACN represents more than 690 member school of nursing at public and private institutions nationwide. Dean Cruz-Richman was also appointed to AACN's RN-BSN Task Force, which is charged with examining the expectations for clinical and practice experiences for students enrolled in RN-BSN programs.



# CAMPUS EVENTS

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**1. New York State Education Commissioner John B. King, Jr., was in Brooklyn to visit SUNY Downstate Medical Center and Clara Barton High School.**

His intention was to learn more about programs in Brooklyn that motivate young people to pursue careers in the health sciences, among them the Science and Technology Entry Program (STEP). There are 60 STEP programs at institutions of higher learning and professional schools across New York State. Dr. King learned first-hand of the STEP program's influence on high school students in Brooklyn by meeting Diane Rhoden, a Clara Barton High School graduate who was part of STEP at Downstate and who is graduating this year from Downstate's College Medicine. Dr. King also met with current high school students, teachers, and administrators at Clara Barton. Dr. King said, "Clara Barton High School, SUNY Downstate Medical Center, and their community partners have created a model program leading minority and disadvantaged young people in Brooklyn to careers in the health sciences. Statewide, the Science and Technology Entry Program is increasing college and career readiness, with results that show STEP students outperforming their non-STEP peers.

**2. The First Lady of the Republic of Niger, Dr. Malika Issoufou Mahamadou, visited SUNY Downstate.**

Dr. Mahamadou, who holds degrees in medicine and tropical medicine, toured Downstate's Transplant Unit, the Neonatal Intensive Care Unit, the Child Life Center, and a nursing station, as well as the School of Public Health. Dr. Mahamadou's visit was part of her efforts to upgrade health care in Niger.

**3. Forty students from five Brooklyn high schools learned about gross anatomy at SUNY Downstate Medical Center on Anatomy Education Day, Monday, January 23, a statewide event launched by SUNY Downstate.**

Nine other medical schools offered similar instruction for local students across New York State, under the auspices of the American Association of Anatomists and with the support of the Associated Medical Schools of New York. Anatomy Education Day is the brainchild of Samuel Márquez, PhD, director of anatomy in the College of Health Related Professions, as well as co-discipline director of anatomy in the College of Medicine. He organized the event and invited the other schools to participate. The students who attended the event at

Downstate are enrolled in the Science and Technology Entry Program (STEP), an after-school enrichment program, and the Gateway Institute for Pre-College Education, a program to help prepare under-represented minority high school students for careers in medicine. Both programs are sponsored by the College of Medicine's Office of Minority Affairs.

**4. SUNY Downstate held a month-long celebration of Black History at in February with a festive Opening Ceremony featuring music, song, and a keynote address by Brigadier General Stayce D. Harris, one of the highest-ranking African-American women in the U.S. Air Force.**

The opening celebration attracted a record number of attendees, including many local students from the High School for Health Professions, Parkside Preparatory Academy, and the High School for Human Rights. Brigadier General Harris echoed the theme of this year's Black History celebration-"Charting New Paths"-as she recalled the many times she was forced to veer from her chosen path, only to return by a different route on better and surer footing than before. Following her remarks, audience members were treated to a documentary film, curated by Kevin Antoine, JD, chief diversity officer at SUNY Downstate, tracing the history of African-Americans in aviation, beginning with the Tuskegee Airmen in WWII to today's astronauts in space. Many of the men and women the Brigadier General had named as personal heroes were depicted in the film. The Black History celebration at Downstate continued with events throughout the month. Topping off the list was a Caribbean Cultural Health Panel on February 22, co-sponsored by the Daniel Hale Williams Society, the local chapter of the Student National Medical Association.

**5. World-renowned HIV/AIDS physicians Arash and Kamiar Alaei visited SUNY Downstate on February 2, 2012.**

The two Iranian physicians were incarcerated in Tehran's Evin prison after attempting to halt the spread of HIV/AIDS. Now released, they described their experiences at an HIV/ID Research Seminar. Arash Alaei, MD, is the former director of the International Education and Research Corporation of the Iranian Institute of Tuberculosis and Lung Disease. His younger brother, Kamiar Alaei, who received both his MD and MPH in Iran and his master's in international health from Harvard, is studying for his doctorate at SUNY's University at Albany. Before their arrest, the brothers had developed a National Strategic Plan for the Control of HIV/AIDS in Iran. They were beginning to enjoy some success in instituting needle exchange, condom distribution, and other risk-reduction programs, as well as training international health workers. But in 2008, just as they were preparing to attend a health conference in Mexico, they were arrested and convicted of working to overthrow the government. Arash was sentenced to six years; Kamiar to three. This presentation on "The Impact of Politics, Culture, Economics, and Religion on HIV/AIDS: A Case Study from Iran"

was supported by the John Conley Division of Medical Ethics and Humanities and the HIV Center for Women and Children.

**6. The 2012 class of graduating seniors at SUNY Downstate Medical Center's College of Medicine had a strong showing on annual Match Day, at which students learn where they will spend the next three to seven years receiving advanced medical training.**

SUNY Downstate was one of five medical schools chosen by the Association of American Medical Colleges to have its event showcased through videotape. Close to 99 percent of Downstate students - a total of 194 - secured a residency slot through the National Residency Match Program. The national average for U.S. medical schools was 95%. "This is a superb result," said Ian L. Taylor, MD, PhD, dean of Downstate's College of Medicine. "This year was highly competitive, with more than 38,000 applicants competing for 26,772 positions. The fact that Downstate performed so strongly is a testament to the excellence of our students and to our reputation as one of the best academic medical centers in the country for clinical training." Forty-one percent of the class matched in primary care. The balance of students will train in specialty fields. Sixty-one percent of graduating medical students have committed to taking their residency in New York State, with 33 choosing programs at Downstate, and another 114 electing to train at programs in New York City or the broader metropolitan area.

**7. SUNY Downstate Medical Center sent a new class of physicians, nurses, allied health professionals, research scientists, and public health professionals into the world on Wednesday, May 30, at commencement ceremonies at Carnegie Hall, with the majority of students staying in New York State to practice.**

The College of Medicine graduated 194 new physicians, 119 of whom remained in New York State and 87 in New York City. The School of Graduate Studies granted PhD degrees to nine students, of whom four remained in New York State, all in New York City. One PhD student also received an MD degree. The School of Public Health granted 26 master of public health degrees. The College of Nursing graduated 182 students and the College of Health Related Professions graduated 137 students.

**8. At the annual White Coat Ceremony, held in August 2012, SUNY Downstate Medical Center welcomed 184 new medical students (87 women and 97 men) to their Class of 2016.**

The age of students ranged from 21 to 39 and they hailed from 76 different undergraduate colleges. Collectively, medical students from Downstate's new class speak 40 different languages or dialects, including American Sign Language, and 114 are first-generation children of immigrants, representing 49 countries. The majority of students cited



Downstate's early exposure to clinical training and its location as a major draw, with 53 students coming from local Brooklyn neighborhoods. The tradition of the white coat ceremony was created by the Arnold P. Gold Foundation at Columbia University and since then has become widespread at medical schools nationally.

**9. The School of Graduate Studies held its Annual Research Day in 2012 with eight oral and 109 poster presentations.**

Participants were graduate students, medical students, students from the School of Public Health, and residents from 18 different clinical areas. The presentations were judged by more than 120 faculty members from all the schools. Some visiting alumni also acted as judges. The Graduate School and its alumni gave a total of \$12,000 in Travel Fellowships (3 full prizes and 10 half prizes) for the best presentations. The Graduate School also hosted a luncheon that day for faculty from the College of Nanoscale Science and Engineering at the University at Albany, SUNY.

**10. In May, 2012, Downstate held a Faculty Career Development Conference that included junior faculty members talking about their path to success at Downstate.**

**11. In October, 2012, the Office of Student Admissions held its annual open house.**

**12. The Department of Pediatrics sponsored an Electronic Health Records (HER) Forum, with NYC REACH and Office Practicum.**

**13. Member of the Brooklyn Aviators hockey team visited young patients in the Children's Hospital at Downstate.**

**14. Downstate and University Sports Medicine sponsored Downstate Night with Brooklyn Aviators in March.**

**15. In April, the topic of the Mildred "Barry" Friedman Lecture was "Pig Islet Xenotransplantation and the End of Diabetes."**

**16. The Robert F. Furchgott Society presented the Annual Visiting Professorship Lecture in May, 2012. The topic was "Leptin and the Biologic Basis of Obesity."**

# COMMUNITY OUTREACH

- 1. SUNY Downstate Medical Center students, faculty, administrative staff, and volunteers turned out in large numbers on November 10 -- which New York City Mayor Michael Bloomberg proclaimed a "Day of Service" -- to help residents of Brooklyn's Red Hook neighborhood who were adversely affected by Hurricane Sandy.**

Red Hook residents, many of whom were still without heat and electricity since the storm, took advantage of the medical screenings organized by students associated with Downstate's Brooklyn Free Clinic (BFC), a student-led program that provides medical care to uninsured Brooklyn residents under the supervision of Downstate medical faculty. Members of Downstate's Students for Social Responsibility - a student organization dedicated to community service activities - also participated by administering free flu shots under the supervision of nursing staff. Patients needing medical care were taken by student runners to be seen by Downstate medical faculty in exam rooms set up on a lower floor of the building. Those needing medications were then taken to a pharmacy organized on site, then discharged. Free medications were provided by the organization, Direct Relief International, and BFC. A total of 50 patients went through the system set up by BFC, with four patients requiring referral to emergency room care. Flu vaccinations were administered to 44 attendees. Also participating in the event was Downstate's Center for Community Health Promotion and Wellness, which provides regular health screenings throughout the year at many Brooklyn venues, and which administered 23 blood pressure screenings and 34 blood glucose tests. Several weeks later, Downstate provided similar assistance to residents of the Rockaways.

- 2. Downstate's University Hospital of Brooklyn held its 26th Annual Community Health Fair on Saturday, May 19, 2012.**
- 3. Downstate offered free prostate screenings September 17 - September 22.**

**4. SUNY Downstate hosted the Haitian Mental Health Forum October 7, with discussions focusing on care being provided in aftermath of the 2010 Earthquake.**

The free forum was sponsored by the American Psychiatric Association's Office of Minority and National Affairs, the Haitian American Psychiatric Association, the Brooklyn Psychiatric Society, the SUNY Downstate Department of Psychiatry, and Rebaté Santé Mentale.

**5. The Division of Audiology offered free hearing screenings.**

**6. SUNY Downstate Medical Center celebrated 11 years of supporting the Brooklyn American Cancer Society's Making Strides Against Breast Cancer campaign.**

The 11th Annual breast cancer walk was held Sunday, October 21, 2012 at a new and larger site in The Nethermead, Prospect Park, Brooklyn. SUNY Downstate Medical Center Team was the Pacesetter Team this year.

**7. SUNY Downstate held a CarFit Event to help seniors enhance driving safety, April 22.**

CarFit is an educational program that helps older drivers to check how well their vehicles "fit" them. It also links older drivers with information on local community resources that may help them stay healthy and continue to drive for as long as safely possible. According to CarFit, helping "fit" an individual to his or her car "greatly increases not only the driver's safety but also the safety of others." Older drivers are often the safest drivers in that they are more likely to wear their seatbelts, and less likely to speed. However, older drivers are more likely to be injured when a crash does occur due to the greater fragility of their aging bodies. Driver safety programs improve adult driver safety by addressing cognitive abilities and skills, but older drivers can also improve their safety by ensuring their cars are properly adjusted for them. A proper fit in one's car can greatly increase not only the driver's safety but also the safety of others.

**8. Notable Community Service Projects provided by College of Health Related Professions students include:**

- Backpack Awareness Day - 60 Downstate Occupational Therapy students visited P.S.235 and Middle School 2 ("Parkside Prep") to teach students about healthy ways to pack and carry school backpacks.
- Presentation by OT students who participated in volunteer community service programs during their summer break such as- Comprehensive Rural Health Project. Maharashtra, India. - Haiti Medical Missions of Memphis. - Kids of Courage - week-long trip to San Francisco with teenagers who have serious illnesses and

disabilities. - Brooklyn Parkinson Group. - Camp High Five (constraint induced movement therapy program for children with hemiparesis) at Rusk Institute, NY, NY.

- Positioning Systems Analysis for Brooklyn United Cerebral Palsy (UCP)
- Participation in over one hundred health screening, community outreach events in 2012
- Over fifty CHRP students have provided varied services at the student run, Brooklyn Free Clinic in 2011-2012

**9. The Center for Health Promotion and Wellness participated in the following community events:**

- Blood drives in January, March, June, September, and December
- National Wear Red Day for Women, American Heart Association
- National Colorectal Cancer Screening Month
- NYC Colon Cancer Challenge Walk; Downstate was the highest fundraising team
- Kidney Awareness Month
- Kick Butts Day
- National Hospital Week and Health Fair
- National Stroke Awareness Month
- National Cancer Survivor Day
- SUNY Downstate at LICH Health Fair
- Prostate Cancer Awareness Month
- Making Strides Against Breast Cancer Walk, American Cancer Society
- Annual Flu Vaccine Fair
- American Diabetes Awareness Month
- World AIDS Day

**10. The SEFA campaign at Downstate raised \$150,000 for charitable organizations.**

**11. The Seventh Annual Dine and Learn Health Youth Symposium, titled "Stop Fighting Good Health," was held on the nearby Wingate Campus.**



# FACULTY ACTIVITIES AND PRESENTATIONS

1. In April 2012, faculty from the HIV Center's Fogarty funded New York State International Training and Research Program (NYS-ITRP) conducted research training for nurses in St. Petersburg. Faculty included Susan Holman, RN, MS, Katherine Marx, NP, and a former Fogarty trainee.
2. In October 2012 the HIV Center in collaboration with the HIV Research Centers Consortium hosted a conference, "HIV Treatment as Prevention (TasP): Ethics, Policy and Implementation for the New York Region" at New York University's Kimmel Center. The emphasis of the conference was on the practical realities, challenges, and ethical issues on how to scale-up TasP for the New York region. A host of nationally known speakers addressed such topics as pre-exposure prophylaxis, cost-effectiveness research, and public policy perspectives from New York City and New York State. The meeting was funded by SUNY-DMC's John Conley Division of Medical Ethics and Humanities.
3. In November 2012, the HIV Center's Fogarty funded New York State International Training and Research Program (NYS-ITRP) collaborated with Columbia University's Global Health Research Center for Central Asia (GHRCCA) on a similarly themed meeting in Almaty, Kazakhstan. The NYS-ITRP, led by Jack A. DeHovitz, MD, MPH, is a multi-institutional, multi-national collaborative effort sponsored by the Fogarty International Center at the National Institutes of Health that provides training for scientists in low- and middle-income countries to strengthen research and public health capacities at their institutions related to HIV/AIDS, tuberculosis (TB), sexually transmitted infections, hepatitis, and other emerging infections. The program is administered by SUNY-DMC in collaboration with the Wadsworth Center and the Division of Epidemiology at the New York State Department of Health and the SUNY Albany School of Public Health.
4. Jeffrey M. Birnbaum, MD, MPH, Executive Director of the Health and Education Alternatives for Teens (HEAT) Program, helped to draft the Model Sexual Health Care Standards for Youth in State Custody. The Center for HIV Law and Policy (CHLP), a national HIV legal resource and support center, released these standards, which were created to ensure that sexual health care is included in basic medical services for young people in

detention and other types of state custody, and that it meets minimum requirements for competent care.

5. Department of Otolaryngology faculty and residents authored 42 scientific publications and Ophthalmology faculty gave 96 scientific presentations and 25 visiting lectures.

6. Steven Cannady, MD, joined the otolaryngology faculty as a full-time microvascular head and neck surgeon.

7. Krishnamurthi Sundaram, MD, directed a Head & Neck Symposium on The Larynx and Trachea, featuring Marshal Strome, MD, MS, and Louis Harrison, MD.

8. Downstate faculty published a major textbook on research methodology. *Principles of Research Methodology: A Guide for Clinical Investigators*, published by Springer, is designed to help healthcare professionals successfully conduct scientific research and also help them to better evaluate research published in the medical media. "We believe that this comprehensive book, which spans the entire research process and focuses on the critical role of the research hypothesis, will prove a unique resource to medical students, physicians, and translational scientists, among others, who typically lack formal broad training in research methodology and wish to expand their knowledge base," said Phyllis Supino, EdD, professor of medicine and public health, and director of clinical epidemiology and clinical research in the Division of Cardiovascular Medicine at SUNY Downstate. Dr. Supino, who has many years of experience studying and teaching research methodology, is editor of the book, along with Dr. Jeffrey S. Borer, chief of cardiovascular medicine.

9. In the College of Health Related Professions, Joyce S. Sabari, PhD, OTR, FAOTA, associate professor and chair of occupation therapy conducted the study, "Rasch Analysis of a New Scoring Hierarchy for Hand Items on the Motor Assessment Scale for Stroke (MAS)." She also completed the textbook chapter, "Optimizing Motor Control and Motor Planning", with co-authors Rachel Feld-Glazman and Nettie Cappasso, for publication in Trombly-Latham and Radomsky, *Occupational Therapy for Physical Dysfunction*, 7th Edition. Publication is scheduled for 2013. She was an invited poster presenter at Downstate Medical Center's Annual Research Day - April 4, 2012: "Neurorehabilitation for Traumatic Brain Injury Survivors"

10. Richard Sable (OT), presented at over a dozen conferences in 2012 and published an article in the OT professional journal. Sabel, R. & Gallagher, G. (2012). Meditation: A

mindful approach to promoting occupational performance, *OT Practice*, 17 (11), June, 2012, pp. 17-18.

11. Suzanne White (OT) Coordinator of "OTs Walk With NAMI" Pep Rally and 2 hour presentation for Mental Health Taskforce & Metropolitan District of the New York State Occupational Therapy Association at Beth Israel Medical Center Podell Auditorium, and presented three posters 1. Occupational Therapy: Let's Get Organized: Improving Time Management Skills of Consumers with Severe Mental Illness and /or Substance Related Disorders with Diane Tewfik at the 92nd Annual Conference & Expo Of the American Occupational Therapy Association in Indianapolis, Indiana, April 26, 2012; 2: Promote Community Health and Wellness by Building Alliance and Advocacy through Evidence, Innovation, and Internet presented at the 9th Congress of Occupational Therapy for the European Countries (COTEC): Occupation Diversity for the Future, Stockholm Sweden, May 25, 2012; And 3: Integrating Time Management Skills through Occupational Therapy Intervention for Diverse Populations presented at the 9th Congress of Occupational Therapy for the European Countries (COTEC): Occupation Diversity for the Future, Stockholm Sweden, May 25, 2012.

12. Dr. Margaret Kaplan (OT) serves as the PI for EISP-OT, funded by U.S. Dept of Education Office of Special Education Programs (OSEP), provides OT evaluation half day/week at University Hospital's Pediatric High Risk Clinic and planned and participated in the first Annual Autism Health Fair at SUNY Downstate.

13. Dr. Yalini Senathirajah (Medical Informatics) presented papers on 'When speed is essential: Rapid configuration of a user-configurable 'web 2.0' based EHR for H1N1 decision support' at the 5th Human Factors Engineering in Health Informatics Symposium in Trondheim, Norway, and a paper as well as demonstration on 'Essential Ingredients for Health Adaptive Information Systems' and the MedWISE system at Medical Informatics Europe. She has had a paper (podium abstract) accepted for presentation at the annual meeting of the American Medical Informatics Association, entitled: 'The Clinician in the Driver's Seat - Cognition and Interaction in MedWISE', and participated in the National Institutes of Health Health Summer Institute, which brings together 30 people from varying fields to brainstorm about advancing the science and development of mobile devices for health. A journal paper 'Clinicians in Control' is under review at the *Journal of Biomedical Informatics*. She taught a tutorial on Web Technologies and Social Media in Healthcare at the Nursing Informatics 2012 international conference in Montreal, June 2012. An additional paper on health adaptive architectures is being submitted to *Applied Clinical Informatics*.



14. Dr. Isaac Topor (Medical Informatics) is serving on the editorial board of "Perspective," *Journal of Health Information Management Association of New York City*. He was also elected and served as a delegate to the annual conference of the New York State Health Information Management Association. The faculty has also completed a grant to be submitted to the National Institute of Health (NIH). The title of the research project is: Health of Psychiatric Outpatients Using Smartphones to Increase Medication and Appointment Adherence. The faculty collaborated with Dr. Jason Hershberger, former Chief, Department of Psychiatry at LICH.

15. Dr. Ronnie Lichtman (Midwifery) is a member of the Directors of Midwifery Education (DOME); Principal Investigator, for an IRB-approved research study comparing outcomes between CNM graduates of the Midwifery Education program and CM graduates; and grant reviewer for the Health Resources and Services Administration and Center for Medicaid and Medicare Innovation. She presented in March for the "Parenting Education Program Spring Training Course" offered by Child Life and Parenting Education, on family planning, and in September at an Ambulatory OB/GYN Nursing conference in Boston, sponsored by Contemporary Forums, on the HPV Vaccine: Best Candidates, Best Timing and on Menopause Symptom Management: Interesting Cases.

16. The Midwifery Education Program, under the direction of International Project Director, Aleida Llanes-Oberstein, (Midwifery) coordinated the thirteenth annual exchange program with Kingston University in London. Professor Llanes-Oberstein is also a Peer Reviewer, *Journal of Midwifery & Women's Health* and a site visitor, Accreditation Commission for Midwifery Education (ACME)

17. Suzanne Schecter (Midwifery) is a Commissioner, Board of Commissioners, and Accreditation Commission for Midwifery Education (ACME). She participated in preparing the Petition to United States Department of Education for continued recognition of ACME as an accrediting agency and also participated in writing a new version of the ACME Policies & Procedures Manual.

18. Valerie Roe (Midwifery) presented on adolescent parenting as part of the "Parenting Education Program Spring Training Course" offered by Child Life and Parenting Education and is working on a revision of her chapter on antibiotic therapy in the major textbook, *Primary Health Care of Women*.

19. MaryAnne Laffin (Midwifery) is President, National Perinatal Association and past president, New York State Association of Licensed Midwives (NYSALM).

20. Dr. Joanne Katz (PT) was an invited speaker at a Greater New York district meeting of the New York Physical Therapy Association. She lectured on pediatric outcome measures, during which she presented the results of her research studies and served on the Research committee of the NYPTA at the NYPTA's Annual Conference in Rye, NY in October. She presented a poster at the APTA Annual Conference on her work on the inter- and intrarater reliability of Prechtl's Method of evaluation of spontaneous movement in young infants. She is finishing a paper on this topic which will be submitted for publication. She is finishing data collection on her normative data study on the 0-12 month NIST. In March she participated in the "Getting Youth to Go Sugar Free" project at George Wingate Educational Campus by offering a workshop on teaching teens to make healthy smoothies and snacks. She is editing a manuscript for publication with Dr. Agnes Perenyi, and is preparing to start two additional studies in her clinic using the Neurodevelopmental Infant Screening Tool. She is collaborating with Dr. Perenyi and Dr. Hsiu-Ling Li from the physiology department on a research study on the effects of caffeine on preventing periventricular leukomalacia in preterm infants. They just received a research grant from the Little Giraffe Foundation for this project. She was an author on a poster that her research group presented on a randomized control trial of the NICU-to-neighborhood follow-along program. This was presented at the Pediatric Academic Societies Annual Meeting in Boston in April 2012. She continues to consult in two neurodevelopmental clinics at Downstate where she brings PT students for clinical training.

21. Dawn Morton-Rias, EdD, PA-C, dean of the College of Health Related Professions, currently serves on the New York State Board for Medicine, is a Commissioner on the Accreditation Review Commission on Education on Education for the Physician Assistant, a Member of the DHHS, BHP, Advisory Committee on Training in Primary Care Medicine and Dentistry and an invited faculty presenter at the Annual Harvard-Macy Program "A Systems Approach to Assessment in Health Professions Education."

22. SUNY Downstate participated in the U.S. Department of State's NeXXt Scholars Program.

23. Atif Afzal, MD joined the STAR Program as an Empire Clinical Research Investigator Program (ECRIP) fellow. Dr. Afzal is conducting clinical research on cardiovascular disease in the Women's Interagency HIV Study (WIHS) under the supervision of Drs. Jason Lazar and Jack DeHovitz.

24. Daisy Cruz-Richman, PhD, RN, dean of the College of Nursing, delivered the keynote address on "Scholarship and Evidence-based Practice" at the Annual Nursing Research Conference at Maimonides Medical Center in May.

25. In the College of Health Related Professions, Joyce S. Sabari, PhD, OTR, FAOTA, associate professor and chair of occupation therapy conducted the study, "Rasch Analysis of a New Scoring Hierarchy for Hand Items on the Motor Assessment Scale for Stroke (MAS)."

26. Publications from the Department of Obstetrics and Gynecology included:

- Lapatinib and potential prognostic value of EGFR mutations in a Gynecologic Oncology Group phase II trial of persistent or recurrent endometrial cancer.
- Leslie KK, Sill MW, Lankes HA, Fischer EG, Godwin AK, Gray H, Schilder RJ, Walker JL, Tewari K, Hanjani P, Abulafia O, Rose PG.
- Gynecol Oncol. 2012 Nov;127(2):345-50. doi: 10.1016/j.ygyno.2012.07.127. Epub 2012 Aug 7.
- Hemoglobin A1c and the relationship to stage and grade of endometrial cancer.
- Stevens EE, Yu S, Van Sise M, Pradhan TS, Lee V, Pearl ML, Lee YC, Abulafia O.
- Arch Gynecol Obstet. 2012 Dec;286(6):1507-12. doi: 10.1007/s00404-012-2455-7. Epub 2012 Jul 14.
- A phase II trial of thalidomide in patients with refractory uterine carcinosarcoma and correlation with biomarkers of angiogenesis: a Gynecologic Oncology Group study.
- McMeekin DS, Sill MW, Darcy KM, Abulafia O, Hanjani P, Pearl ML, Rubin SC, Rose PG, Small L, Benbrook DM.
- Gynecol Oncol. 2012 Nov;127(2):356-61. doi: 10.1016/j.ygyno.2012.07.095. Epub 2012 Jul 14.
- Ribonucleotide reductase inhibition restores platinum-sensitivity in platinum-resistant ovarian cancer: a Gynecologic Oncology Group Study.
- Kunos C, Radivoyevitch T, Abdul-Karim FW, Fanning J, Abulafia O, Bonebrake AJ, Usha L.
- J Transl Med. 2012 Apr 27;10:79. doi: 10.1186/1479-5876-10-79.
- Medical management of recurrent endometrioma with long-term norethindrone acetate.
- Muneyyirci-Delale O, Anopa J, Charles C, Mathur D, Parris R, Cutler JB, Salame G, Abulafia O.
- Assessment of prenatal mercury exposure in a predominately Caribbean immigrant community in Brooklyn, NY.
- Geer LA, Persad MD, Palmer CD, Steuerwald AJ, Dalloul M, Abulafia O, Parsons PJ.
- J Environ Monit. 2012 Mar;14(3):1035-43. doi: 10.1039/c2em10835f. Epub 2012 Feb 14.
- Role of 11βHSD type 2 enzyme activity in essential hypertension and children with chronic kidney disease (CKD).
- Mongia A, Vecker R, George M, Pandey A, Tawadrous H, Schoeneman M, Muneyyirci-Delale O, Nacharaju V, Ten S, Bhangoo A.
- J Clin Endocrinol Metab. 2012 Oct;97(10):3622-9. doi: 10.1210/jc.2012-1411. Epub 2012 Aug 7.
- Cervicitis associated with lateral cervical displacement.
- Gjoni I, Muneyyirci-Delale O.
- Med Hypotheses. 2012 Jan;78(1):134-5. doi: 10.1016/j.mehy.2011.10.008. Epub 2011 Nov 4.
- Leg Pain and Gynecologic Malignancy.
- Singh L, Stevens EE.
- Am J Hosp Palliat Care. 2012 Sep 25. [Epub ahead of print]

In addition to the above publication list, several department members presented abstracts both orally and in poster format at annual conferences for the following national organizations:

- Society of Gynecologic Oncologists
- American College of Obstetricians and Gynecologists
- Association of Professors in Gynecology and Obstetrics
- Northeast Group on Educational Affairs
- The Generalists in Medical Education
- American Association of Medical Colleges
- Western Association of Gynecologic Oncologists
- Gynecologic Oncology Group
- Council on Resident Education in Obstetrics and Gynecology
- American Society for Reproductive Medicine
- Society for Gynecologic Investigation

Department service and committee appointments included:

- Abulafia O. Dean's Advisory Council, SUNY Downstate
- Abulafia O. Graduate Medical Education Committee, State University of New York (SUNY), Downstate Medical Center.
- Powderly, K. Chair, Ethics Committee, State University of New York (SUNY), Downstate Medical Center
- Muneyyirici-Delale, O. Curriculum Renewal Committee, State University of New York (SUNY), Downstate Medical Center.
- Sherer DM. Editorial Board. Ultrasound in Obstetrics and Gynecology. Official publication of the International Society of Ultrasound in Obstetrics and Gynecology (ISUOG),
- Gabbur N. Chair. Graduate Medical Education Education Sub-Committee, State University of New York (SUNY), Downstate Medical Center.
- Sherer DM. Editorial Board. Journal of Ultrasound in Medicine. Official publication of the American Institute of Ultrasound in Medicine (AIUM).
- Lee YC. Minimally Invasive/Robotic Surgery Committee at State University of New York (SUNY), Downstate Medical Center
- Dalloul M. Blood Bank Committee, State University of New York (SUNY), Downstate Medical Center
- Gabbur N. Steering Committee for the Northeast Group on Educational Affairs, AAMC.

26. Kevin Antoine, JD, chief diversity officer and clinical assistant professor of health law and policy, College of Nursing, served as a plenary panel member at the National Conference on Race and Ethnicity in American Higher Education (NCORE), held in Manhattan in May.

27. Abishek Pandey, MD, a researcher with the Brooklyn Health Disparities Center, was invited to attend the American Academy of Sleep medicine's Young Investigator Research Forum in April, and to present an abstract of his research.

28. 2011-2012 publications by Alan Gintzler, PhD, professor of biochemistry, Neurobiology of Pain and Addiction Laboratory, include:

- Liu, N.J. Chakrabarti, S. Schnell, S., Wessendorf, M and. Gintzler, A.R. Spinal Synthesis of Estrogen and Concomitant Signaling by Membrane Estrogen Receptors Regulate Spinal {kappa}- and {micro}-Opioid Receptor Heterodimerization and Female-Specific Spinal Morphine Antinociception. *J Neurosci* 31: 11836-11845, 2011
- Gintzler, A.R. and Liu, N.J. Importance of sex to pain and its amelioration; relevance of spinal estrogens and its membrane receptors. *Front Neuroendocrinology* 33: 412-424, 2012.
- Liu, N-J, Schnell, S., Wessendorf, M. W. and Gintzler, A.R. Sex, pain and opioids: inter-dependent influences of sex and pain modality on dynorphin-mediated antinociception in rats. *J Pharmacol Exp Ther.* 344: 522-530, 2013 (epup date: 12/12/2012).

29. In the Department of Family Medicine, the Residency Training Program reported a Board Examination pass rate of 100 percent in 2012.

30. Karen Benker, MD, MPH, associate dean for community public health affairs in the School of Public Health, assumed responsibility in 2012 as director of community medicine for the Residency Program in Family Medicine. Dr. Benker formerly was Faculty Development Fellow in Family Medicine and former medical director of Family Health Services.

31. During 2011-2012, The Department of Family Medicine saw approximately 54,000 patients visits at two family medicine centers and six school-based health programs.

32. The Joslin Diabetes Center, affiliated with Harvard Medical School, awarded two grants totaling \$30,400 to the Department of Family Medicine to participate in two clinical trials aimed at improving clinical outcomes for patients in the primary care setting - the Cardiometabolic Performance Improvement Study, and Outpatient Diabetes Care for Older Patients: Individualized Strategies and Control.

33. During 2011-2012, Miriam J. Vincent, MD, PhD, JD, professor and chair of family medicine, spearheaded a major institutional faculty development initiative aimed at creating a series of 12 video-recorded lectures (including CME questions) on a variety of topics related to effective teaching, and providing a means for Downstate faculty and residents to view these lectures, both on-site and via remote access.

34. Subrata Saha, PhD, research professor and director of musculoskeletal research, Department of Orthopedic Surgery and Rehabilitation Medicine, was selected to be: an editorial board member for Columbia International Publishing; a member of the editorial

board of the Journal of Microbial and Biochemical Technology; a member of the editorial board of the journal Critical Reviews in Physical and Rehabilitation Medicine; chair of the Development Committee of Sigma Xi, the Scientific Research Society; and a theme chair for the topic Biomaterials and Artificial Organs for the World Congress on Medical Physics and Biomedical Engineering in Beijing in May, where he also organized a mini-symposium on ethical issues, chaired a session on ethics and on drug delivery, and presented two papers and two invited seminars.

Dr. Saha also made presentations at Temple University, Syracuse University, Harvard University, Florida International University, and Bengal Engineering and Science University in West Bengal, India, authored two book chapters, and co-authored a book chapter. He presented at the Southern Biomedical Engineering Conference in May and at the American Society for Bone and Mineral Research in October.

Dr. Saha and Pamela Saha, MD, clinical assistant professor of psychiatry, are co-inventors of an automated bone cement mixer, patented on November 15 by the U.S. Patent Office.

### 35. The Department of Pediatrics reports numerous accomplishments in 2012:

#### **Neonatology**

##### *Grants*

- Successful competition and funding by the National Institutes of Health (NICHD) of \$ 3.67 Million dollars for the project on "Molecular and Clinical Pharmacology of Retinopathy of Prematurity 2011 to 2016. Principal Investigator: J.V, Aranda, MD, PhD, FRCPC, FAAP for the NIH New York Pediatric Developmental Pharmacology Research Consortium of SUNY Downstate, StonyBrook, Buffalo, Columbia University, Brooklyn Queen's Neonatal Network and the SUNY Eye Institute.
- Successful Competition and funding by the NIH (in 2012) of the MicroEEG project (PI: S. Abdel Baki) \$ 625,000. (2012-2014) direct cost (investigators: Z. Ibrahim, G. Chiari, J.Aranda)
- NIH/NICHD (STTR) #1R41HD72881-01 (PI: Baki SA PI) (08/01/2012 to 07/31/2014 Direct Cost \$ 620,555. 00 Title: Wireless Novel Micro EEG for Neonatal Apnea and community Neurological Network. The goal of this project is to develop, validate. evaluate the safety and effectiveness of a novel, wireless, user friendly microEEG for the newborns (no overlap)
- NIH/NICHD: 1R03 HD057566-01 (Aranda JV- PI) 01/01/2008 to 12/31/2010 (No cost extension to 08/31/2012 (\$ 193,175.00) Absorption and Metabolism of Oral Codeine in Mechanically Ventilated Neonates
- The goal of this study is to determine the absorption and metabolism of codeine and the pharmacogenomic, pharmacokinetic, pharmacodynamic characteristics of this drug in preterm newborns. 2.4 months Role: PI (No Overlap)

##### *Publications*

- Du W, Tutag Lehr V, Lieh-Lai M, Koo W, Ward RM, Rieder MJ, Van Den Anker JN, Reeves JH, Mathew M, Lulic-Botica M, Aranda JV. An Algorithm to Detect Adverse Drug Reactions in the Neonatal

Intensive Care Unit: A New Approach. *J Clin Pharmacol*. 2012 Jan 18. [Epub ahead of print] PMID: 22261415

- Berde CB, Walco GA, Krane EJ, Anand KJ, Aranda JV, Craig KD, Dampier CD, Finkel JC, Grabois M, Johnston C, Lantos J, Lebel A, Maxwell LG, McGrath P, Oberlander TF, Schanberg LE, Stevens B, Taddio A, von Baeyer CL, Yaster M, Zempsky WT. Pediatric analgesic clinical trial designs, measures, and extrapolation: report of an FDA scientific workshop.
- Antoni D'Souza, Charles L. Cai, Dharmendra Kumar, Fayme Cai, Lawrence Fordjour, Asma Ahmad, Gloria Valencia, Jacob V. Aranda, Kay D. Beharry: Cytokines and toll-like receptor signaling pathways in the terminal ileum of hypoxic/hyperoxic neonatal rats: benefits of probiotics supplementation. *Am J Transl Res*. 2012;4(2):187-97. Epub 2012 Apr 10.
- Book Chapters
- Crane E, Tutag Lehr V, Matthew M, Aranda JV : *Developmental Pharmacology and Therapeutics in : European Textbook of Neonatology* EDS: Bounocoure G, Bracci R, Weindling M, Springer Verlag Italia 2012
- Lehr VT, LULic Botica M, Bronshtein , Valencia G, Aranda JV. Analgesia and Sedation. In, *Atlas of Procedures Neonatology Fifth Edition*. Ed. MacDonald M.G. Assoc. Eds. Ramasethu J. R, Bahrami R. Philadelphia,PA. Wolters Kluwer/Lippincott Williams & Wilkins. 2012

### **Infectious Disease**

- Hammerschlag MR, Kohlhoff SA. Treatment of chlamydial infections. *Expert Opin Pharmacother*. 13:542-552, 2012.
- Hammerschlag MR, Gaydos CA. Guidelines for the use of molecular biological methods to detect sexually transmitted pathogens in cases of suspected sexual abuse in children. *Methods Mol Biol*. 903:307-317, 2012
- Nathawad R, Hammerschlag MR, Mendez HA. Colonization with *Staphylococcus aureus* in HIV-infected children and adolescents in Brooklyn, NY. *J Pediatr Infect Dis* 7:97-102, 2012.

### **Gastroenterology**

- Schwarz SM. Pediatric Gastroesophageal Reflux; June 2012, <http://emedicine.medscape.com/article/930029>
- Schwarz SM. Obesity in Children. June 2012; <http://emedicine.medscape.com/article/985333>.
- Xu J, Anderson VA, Schwarz SM. Dietary ganglioside reduces the incidence and severity of necrotizing enterocolitis (NEC) by sustaining local regulatory immune responses. Presented at the annual meeting, North American Society for Pediatric Gastroenterology, Hepatology and Nutrition, Salt Lake City, UT, 2012.
- Vo H, Grossman E, Schwarz S, Xu J, Goodman A, Gress F, Rabinowitz S. Utilizing endoscopic ultrasound (EUS) to evaluate pediatric eosinophilic esophagitis (EOE): a preliminary report. Presented at the annual meeting, North American Society for Pediatric Gastroenterology, Hepatology and Nutrition, Salt Lake City, UT, 2012.
- Prince E, Amodio J, Schwarz SM. Ingestion of a 29-magnet neodymium bracelet in a toddler: another cautionary tale. Presented at the annual meeting, North American Society for Pediatric Gastroenterology, Hepatology and Nutrition, Salt Lake City, UT, 2012.
- Rabinowitz SR, Xu J, Zeng M, Amodio J, Garrow E, Schwarz SM. Hirschsprung disease presenting as sigmoid volvulus. Presented at the annual meeting, North American Society for Pediatric Gastroenterology, Hepatology and Nutrition, Salt Lake City, UT, 2012.

- Vo H, Lee D, Siu L, Schwarz S, Nathan R. Choledochoduodenal fistula in an adolescent with sickle cell disease. Presented at the annual meeting, North American Society for Pediatric Gastroenterology, Hepatology and Nutrition, Salt Lake City, UT, 2012.
- Gastroesophageal reflux disease in childhood. Pediatric Grand Rounds, St. Luke's-Roosevelt Hospital, New York, NY. Presentation sponsored by the NASPGHAN Foundation.
- Inflammatory bowel disease in childhood. Crohn's and Colitis Foundation of America Symposium, New York, NY Schwarz SM. Pediatric Gastroesophageal Reflux; June 2012, <http://emedicine.medscape.com/article/930029>
- Schwarz SM. Obesity in Children. June 2012; <http://emedicine.medscape.com/article/985333>.
- Hematology/Oncology
- Miller ST, Kim H, Weiner D, Wager CG, Gallagher D, Styles L, Dampier CD for the Investigators of the Sickle Cell Disease Clinical Research Network (SCDCRN). Inpatient management of sickle cell pain: a snapshot of current practice. *Am J Hematol* 2012;87(3):333-6. doi: 10.1002/ajh.22265. Epub 2012 Jan 9.
- Lebensburger JD, Miller ST, Howard TH, Casella JF, Brown RC, Lu M, Iyer RV, Sarnaik S, Rogers Z, Wang WC. Influence of severity of anemia on clinical findings in infants with sickle cell anemia: analyses from the Baby Hug Study. *Pediatr Blood Cancer*. 2012 Oct;59(4):675-678. doi: 10.1002/pbc.24037. Epub 2011 Dec 20
- Alvarez O, Miller ST, Wang WC, Luo Z, McCarville MB, Schwartz GJ, Thompson B, Howard T, Iyer RV, Rana SR, Rogers ZR, Sarnaik SA, Thornburg CD, Ware RE, and the BABY HUG Investigators. Effect of hydroxyurea treatment on renal function parameters: results from the multi-center placebo-controlled BABY HUG Clinical Trial for Infants with Sickle Cell Anemia. *Pediatr Blood Cancer*. 2012 Oct;59(4):668-674. doi: 10.1002/pbc.24100. Epub 2012 Jan 31.
- Styles L, Wager CG, Labotka RJ, Smith-Whitley K, Thompson AA, Lane PA, McMahon LE, Miller R, Roseff S, Iyer R, Hsu LL, Castro O, Ataga K, Onyekwere O, Okam M, Bellevue R, Miller ST for the Sickle Cell Disease Clinical Research Network (SCDCRN). Refining the value of secretory phospholipase A2 as a predictor of acute chest syndrome in sickle cell disease: results of a feasibility study (PROACTIVE). *Brit J Haematol* 2012 Jun;157(5):627-636.
- Ware RE, Helms RW. Stroke with transfusions changing to hydroxyurea (SWiTCH). *Blood*. 2012 Apr 26;119(17):3925-32. Epub 2012 Feb 7.(Investigator)
- Thornburg CD, Files BA, Luo Z, Miller ST, Kalpathi R, Iyer R, Seaman P, Lebensburger J, Alvarez O, Thompson B, Ware RE, WC, for the BABY HUG Investigators. Impact of hydroxyurea on clinical events in the BABY HUG Trial. *Blood* 2012;120(22):4304-10.
- Miller ST, Kim H, Weiner DL, Wager CG, Gallagher D, Styles LA, Dampier CD, Roseff SD, for the Investigators of the Sickle Cell Disease Clinical Research Network (SCDCRN). Red blood cell alloimmunization in sickle cell disease: prevalence in 2010. *Transfusion* 2012 Jul 13. doi: 10.1111/j.1537-2995.2012.03796.x. [Epub ahead of print].
- Kalpathi R, Thompson B, Lu M, Wang WC, Patel N, Kutlar A, Howard T, Luchtman-Jones L, Miller ST; for the BABY HUG Investigators. Comparison of hematologic measurements between local and central laboratories: Data from the BABY HUG trial. *Clin Biochem*. 2013 Feb;46(3):278-281. doi: 0.1016/j.clinbiochem.2012.10.032. Epub 2012 Oct 31
- Dampier CD, Smith WR, Wager CG, Kim HY, Bell MC, Miller ST, Weiner DL, Minniti CP, Krishnamurti L, Ataga KI, Eckman JR, Hsu LL, McClish D, McKinlay SM, Molokie R, Osunkwo I, Smith-Whitley K, Telen MJ; for the Sickle Cell Disease Clinical Research Network (SCDCRN). IMPROVE trial: A randomized controlled trial of patient-controlled analgesia for sickle cell painful episodes: rationale, design



challenges, initial experience, and recommendations for future studies. Clin Trials. 2013;10(2):319-331.

### **Adolescent Medicine**

- Forrester-Dumont K, Raissouni N, Galesco O, Bhangoo A, Ten S., Susss A
- Hyperandrogenism Does Not Influence Metabolic Parameters of Polycystic Ovarian Syndrome in Adolescence. "International Journal of Endocrinology" 2012, Article ID 434830 doi10.1155/2012/434830

### *Book Chapters*

- Suss,A. Chapters: Gonorrhea, Herpes, Trichomoniasis, Dysfunctional Uterine Bleeding, Pelvic Inflammatory Disease, and Ectopic Preganancy, Atlas of Pediatric Emergency Medicine, 2nd edition: Shah BR and Lucchesi: M (eds.) McGraw-Hill Medical Publishing Division, USA, 2012.

### **General Pediatrics**

- Karp RJ, Shlomovich M, Bruno L. Diet and social disadvantage: the 'Medical Home' improves nutrition in childhood and diminishes likelihood of disease in adult life. Maturitas. 2011;70:146-150.
- Karp RJ, Winkfield-Royster T, Weedon Relation of growth rate from birth to three months and four to six months to body mass index at ages four to six years. J Nutr Metab. 2012;2012:158643. Epub 2012 Feb 22.
- Karp RJ, Kral J. Hard truths and a new strategy for addressing childhood obesity; Let's start with the basics. Int J Obesity. Epub 2012 Dec;8(6):583. doi: 10.1089/chi.2012.0065
- Chair of the Academic pediatric Association's Nutrition Special Interest Group and Editor in Chief of the Teacher's guide to Pediatric Nutrition

### **Pulmonology**

- Boesch RP, Myers C, Garrett T, Nie A, Thomas N, Chima A, McPhail GL, Ednick M, Rutter MJ, Dressman K. Prevention of tracheostomy related pressure ulcers in children. *Pediatrics* 2012; 129 (3): e792-7.

### **Nephrology**

- Tawadrous, H, Kamran, H, Salciccioli, L, Schoeneman, M, Lazar, J. Evaluation of Arterial Structure and Function in Pediatric Patients with End Stage Renal Disease on Dialysis and after Renal Transplantation. *Pediatric Transplantation*, 1-6, May 25, 2012.
- Bhangoo, A, Schoeneman, M, et al. Role of 11 Beta HSD type-2 Enzyme Activity in Essential Hypertension and Children with Chronic Kidney Disease. Accepted for publication in *Journal of Clinical Endocrinology and Metabolism*, 2012.
- Mongia A, Vecker R, George M, Pandey A, Ten S, Bhangoo A. Role of 11 Beta HSD type-2 Enzyme Activity in Essential Hypertension and Children with Chronic Kidney Disease (CKD). *Journal of Clinical Endocrinology and Metabolism*. 2012 Oct; 97(10):3622-9.
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### *Book Chapters:*

- Mongia A, Singh A. Pediatric renal Emergencies: In *Atlas of Pediatric Emergencies*. Binita Shah ed. In 2102, pp 564-581.

### **Pediatrics/Cell Biology**

- Khatun I, Zeissig S, Iqbal J, Wang M, Curiel D, Shelness GS, Blumberg RS, Hussain MM (2012) The phospholipid transfer activity of MTP produces apoB-lipoproteins, reduce hepatosteatosis and maintains low plasma lipids. *Hepatology*, 55:1356-1368. Epub 2011 Nov 26
- Tracey CJ, Pan X, Catterson JH, Harmar AJ, Hussain MM, Hartley, PS (2012) Diurnal expression of the thrombopoietin gene is regulated by CLOCK. *J. Thrombosis Haemostasis* 10:662-669.
- Naples M, Baker C, Lino M, Iqbal J, Hussain MM, Adeli K (2012) Ezetimibe ameliorates intestinal chylomicron overproduction and improves glucose tolerance in a diet-induced hamster model of insulin resistance. *Am J Physiol Gastrointest Liver Physiol*. 302: G1043-G1052. Epub 2012 Feb 16.
- Dai K, Hussain MM (2012) NR2F1 Disrupts synergistic activation of the MTP gene transcription by HNF-4 $\alpha$  and HNF-1 $\alpha$ . *J Lipid Res* 53:901-908. Epub 2012 Feb 22.
- Li Z, Ding T, Pan X, Li Y, Li R, Sanders PE, Kuo MS, Hussain MM, Cao G, Jiang XC (2012) Lysophosphatidylcholine acyltransferase 3 knockdown-mediated liver lysophosphatidylcholine accumulation promotes microsomal lipid transfer protein expression and very low density lipoprotein production. *J. Biol. Chem.*, 287:20122-20131. Epub 2012 April 17.
- Iqbal J, Queiroz J, Li Y, Jiang XC, Ron D, Hussain MM (2012) Increased intestinal lipid absorption caused by Ire1 $\alpha$  deficiency contributes to hyperlipidemia and atherosclerosis in Apolipoprotein E-deficient mice. *Circ Res*. 110:1575-1584. Epub 2012 May 3.
- Zeissig S, Murata K, Sweet L, Publicover J, Hu Z, Kaser A, Bosse E, Iqbal J, Hussain MM, Balschun K, Rocken C, Arlt A, Gunther R, Hampe J, Schreiber S, Baron JL, Moody DB, Liang TJ, Blumberg RS (2012) Hepatitis B virus-induced alterations in hepatocyte CD1d lipid antigens activate natural killer T cells and contribute to protective immunity. *Nature Medicine*. 18:1060-1068. Epub 2012 June 17.
- Basu D, Lei X, Josekutty J, Hussain MM, Jin W (2013) Measurement of the phospholipase activity of endothelial lipase in mouse plasma. *J. Lipid Res*. 54:282-289. Epub 2012 Oct 26.

### *Reviews and Book Chapters:*

- Pan X, Hussain MM (2012) Gut triglyceride production. *Biochim. Biophys. Acta.* 1821:727-735. Epub 2011 Oct 02.
- Hussain MM, Rava P, Walsh M, Rana M, Iqbal J (2012) Multiple functions of microsomal triglyceride transfer protein. *Nutr Metab (Lond)* 9:14. Epub 2012 Feb 21.
- Hussain MM, Pan X (2012) Clock regulation of dietary lipid absorption. *Curr Opin Clin Nutr Metab Care.* 15:336-341. Epub 2012 May 18.
- Sturley SL, Hussain MM (2012) Lipid droplet formation on opposing sides of the endoplasmic reticulum. *J Lipid Res.* 53:1800-1810. Epub 2012 June 14.
- Hussain MM, Jin W, Jiang XC (2012) Ceramide trafficking in various subcellular compartments. *Nutr Metab (Lond).* 9:71. Epub 2012 July 31.
- Jiang XC, Jin W, Hussain MM (2012) The impact of phospholipid transfer activity (PLTP) on lipoprotein metabolism. *Nutr Metab (Lond).* 16:75. Epub 2012 Aug 16.

### *Grants*

- Grant/Source: 2R01, DK46900-15 (Years 12-16, competitively renewed three times), NIDDK, National Institutes of Health
- Title: Molecular mechanisms of chylomicron assembly
- Annual Direct Cost: \$205,000
- Duration/Total Award: August 01, 2007 - July 31, 2013/\$1,025,000; under no cost extension Project Period: 01/01/1995 - 07/31/2013; P.I.: M. Mahmood Hussain
- Grant/Source: 1R01 HL095924-01A1, NHLBI, National Institutes of Health
- Title: Avoiding toxicity associated with MTP ablation
- Annual Direct Costs: \$250,000
- Duration/Total Award: February 01, 2010 - March 31, 2014/\$1,000,000; P.I.: M. Mahmood Hussain
- Grant/Source: 1R01 HL095924-03S1, NHLBI, National Institutes of Health
- Title: Avoiding toxicity associated with MTP ablation
- Annual Direct Costs: \$95,407
- Duration/Total Award: March 24, 2012 - January 31, 2014/\$310,431; P.I.: M. Mahmood Hussain
- Grant/Source: R01, DK081879-02, NIDDK, NIH
- Title: Circadian regulation of lipid metabolism
- Annual Direct Cost: \$250,000
- Duration/Total Award: Sept 01, 2011 - August 31, 2015/1,439,489
- Project Period: 07/01/2008 - 08/31/2015; PI: M. Mahmood Hussain
- Grant/Source: VA Merit 1I01BX001728-01A1
- Title: Regulation of plasma lipids and atherosclerosis by miR-30c
- Annual Direct Costs: \$187,500
- Duration/Total Award: April 01, 2013 - Mar 31, 2017/\$806,000; P.I.: M. Mahmood Hussain
- Active grant support for associates (Direct Costs Only)
- Grant in Aid, American Heart Association
- Differential regulation of MTP and lipid metabolism by leptin
- Annual Direct Costs: \$60,000
- Duration/Total Award: Jan 01, 2012 - Dec. 31, 2014/\$198,000; P.I.: Jahangir Iqbal

### **Community Outreach**

- Baby and Me Support Group for New Parents (sponsored by Child Life Program)  
This is a five week program for new parents that covers nutrition, sleep habits, well baby care, breast feeding support, infant massage and CPR for new parents.

#### **Pediatric Department Special Recognition**

- Designated as a Regional Perinatal Center
- Designated as a Children's Hospital

#### **Special Event**

- Co-Sponsor of the Ethos Lecture Series

#### **Philanthropy**

- Established the Brooklyn Children's Society of SUNY Downstate in conjunction with the Office of Philanthropy

#### **Book Chapters**

- Miller ST, Rao SP, Qureshi S. Hematology and Oncology. In Atlas of Pediatric Emergency Medicine. Shah BR, ed. Second Edition. The McGraw-Hill Companies, New York, NY, 2012, pp 408-9.
- Miller ST. Sickle cell anemia with fever. In Atlas of Pediatric Emergency Medicine. Shah BR, ed. Second Edition. The McGraw-Hill Companies, New York, NY, 2012, pp 408-9.
- Miller ST. Sickle cell anemia with acute pain. In Atlas of Pediatric Emergency Medicine. Shah BR, ed. Second Edition. The McGraw-Hill Companies, New York, NY, 2012, pp 410-13.
- Miller ST. Sickle cell anemia with acute chest syndrome. In Atlas of Pediatric Emergency Medicine. Shah BR, ed.. Second Edition. The McGraw-Hill Companies, New York, NY, 2012, pp 414-16.
- Miller ST. Sickle cell anemia with cerebrovascular disease. In Atlas of Pediatric Emergency Medicine. Shah BR, ed. Second Edition. The McGraw-Hill Companies, New York, NY, 2012, pp 417-19.
- Miller ST. Sickle cell anemia with priapism. In Atlas of Pediatric Emergency Medicine. Shah BR, ed.. Second Edition. The McGraw-Hill Companies, New York, NY, 2012, pp 420-21.
- Miller ST. Sickle cell anemia with right upper quadrant syndrome. In Atlas of Pediatric Emergency Medicine. Shah BR, ed. Second Edition. The McGraw-Hill Companies, New York, NY, 2012, pp 422-25.
- Miller ST. Sickle cell anemia with transient aplastic crisis. In Atlas of Pediatric Emergency Medicine. Shah BR, ed.. Second Edition. The McGraw-Hill Companies, New York, NY, 2012, pp 426-7.
- Miller ST. Sickle cell anemia with acute splenic sequestration. In Atlas of Pediatric Emergency Medicine. Shah BR, ed. Second Edition. The McGraw-Hill Companies, New York, NY, 2012, pp 428-9.

#### **External Funding**

- Local Principal Investigator
- GLUSCC09-01
- Emmaus Medical, Inc., Torrance, CA
- A Phase III, Prospective, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter Study of L Glutamine Therapy for Sickle Cell Anemia and Sickle  $\beta$ 0-Thalassemia
- September 28, 2010-March 31, 2014
- Total Direct Costs per enrolled patients
- Goal: To determine whether administration of high dose glutamine to high risk children and adults with sickle cell disease will reduce the frequency of vaso-occlusive episodes.
- April 10, 2006-March 31, 2011.

#### **Local Principal Investigator**

- NIH/NHLBI
- Contract HHSN268201200018C
- BABY HUG Follow-up Study II
- January 9, 2012- December 31, 2016
- Total Costs \$294,383
- Optional Extension January 1, 2017-September 30, 2017
- Additional Costs \$38,900
- Goal: To determine the long-term safety and efficacy of hydroxyurea in children with sickle cell anemia who started treatment at an early age.

#### **Local Principal Investigator**

- NIH/NHLBI, Baylor College of Medicine
- Contract 5 RO1 HL 095647-04
- Principal Investigator Russell Ware MD PhD
- August 1, 2012-July 31, 2013,
- TCD With Transfusions Changing to Hydroxyurea (TWiTCH)
- Total Costs \$43,309
- Goal: To determine whether children with sickle cell anemia receiving chronic transfusion for primary stroke prevention may be safely transitioned to hydroxyurea therapy.

#### **Community Outreach Programs**

- Downstart Healthy Lifestyles Program
- Educational and community-based outreach program designed to prevent obesity and improve health and quality of life in school age children living in East Flatbush, Brooklyn. Goal is to prevent disease, disability, and death from chronic diseases, such as heart disease and stroke, high blood pressure and high cholesterol, type 2 diabetes, certain cancers, and asthma. Student participants maintain or decrease BMI and improve fitness level. After school program meets twice a week and includes karate, African dance, and poetry writing. (Dr. Eugene Dinkevitch)
- Filling, Affordable and Nutritious (FAN) Program  
Filling, Affordable and Nutritious (FAN) is a computer based program enabling food insecure parents; it emphasizes nutritious, low cost, high energy foods for families living in chronic poverty. Program utilizes medical students and has been established in Catholic & Protestant churches located in East Flatbush, Brooklyn.

### 36. The Department of Orthopedics and Sports Medicine

- Became Brooklyn's only ImPACT (Immediate Post-Concussion Assessment and Cognitive Testing) CIC (Credentialed ImPACT Consultants) dedicated toward assessing and treating sports related concussions.
- Created a comprehensive concussion care service for athletes sustaining concussions.

- Created a multi-disciplined concussion committee that will address the sports medical public health needs of athletes of varying socioeconomic backgrounds.
- Became a STOP Sports Injuries National Partner.
- Started in 2012 and pending upstart of two Sports Medicine Fellowships.

