Department of Public Health Research Profile
(Prepared Spring 2009 for LCME Report on Basic Science Departments)

Leadership: The mission of the Department is to improve healthcare and strengthen medical education by bringing the public health disciplines into the Medical College’s and NYPH System’s research, patient care, and teaching agenda.

Our multidisciplinary faculty, with expertise in epidemiology, biostatistics, health economics, policy analysis, outcomes research, medical ethics and the behavioral sciences, complement and strengthen the tripartite mission of the Medical College and Hospital to advance the science and the art of medicine, to educate the next generation of physicians and medical scientists, and to provide first-rate, high quality care for its patients. We emphasize in our own research and teaching those areas of public health which are critically important to make medicine and medical care more effective and efficient and to make medical care a better “instrument for enhancing the public’s health”. In addition, we provide methodological support for clinical research, and ethics consultations for both human subject research and patient care.

The Department of Public Health traces its roots to 1899 when the Department of Hygiene and Sanitary Science, one of the special departments of Medicine and Surgery, was established. The Department, which was created to enhance undergraduate education in Hygiene and to address the growing demands of public health, served as a nucleus for the development of the present-day Department of Public Health. Over its history, the Department has been chaired by Dr. John C. Torrey, Dr. Wilson Smillie, Dr. Walsh McDermott, Dr. George G. Reader, and Dr. Robert B. Millman.

In September 1999 Alvin I. Mushlin, MD, ScM, was recruited as Chairman of the Department and named the Nanette L. Laitman Distinguished Professor of Public Health. His arrival set in motion a comprehensive strategic plan, recruitment of new faculty, and the complete renovation of departmental research and administrative functions and space. In fiscal year 2008, the Department had 32 full-time faculty and an operating budget of $13,700,000 (up from $7,215,000 in 1999). We are preparing to move into new offices with 20,000 square feet of usable office and conference space on 67th Street and First Avenue.

Dr. Mushlin reorganized the Department into its current divisional structure and has strengthened its research and academic programs. At the time of his arrival, the Department became a clinical, as well as basic science, department, and Dr. Mushlin was named Public Health Physician-in-Chief at New York Presbyterian Hospital/Weill Cornell Medical Center. This has led to an increasingly important role for the Department in support of our healthcare institutions. As an integral part of the Medical Center, the Department has access to the Hospital and healthcare system as “laboratories,” and we assist the Hospital on the delivery, quality, and cost of care, as well as community outreach. Our Division of Community and Public Health Programs also operates clinical programs for substance dependency and two employee assistance programs. Through our affiliations with major organizations in this country and throughout the world, and
through our recognition from and ability to generate funding from major federal institutions, we have the ability to shape healthcare policy and influence the improvement and delivery of healthcare.

**Teaching:** Each of our six divisions has a robust agenda of educational programs. Department faculty and staff are involved in a wide variety of educational activities in the medical school, the graduate school, at the fellowship level, and with CME. Faculty teach segments of required courses for medical students (Medicine, Patients, and Society I, II, and III) as well as electives. Our teaching helps medical students acquire knowledge and skills that enable them to improve the health of their patients and the communities they serve.

Department faculty are involved in creating a parallel medical college curriculum in Qatar, with some classes being televised there. Also, some faculty members are based full time in Qatar. The Office of International Medical Education, directed by Dr. Madelon Finkel, Professor of Clinical Public Health, coordinates international educational programs for student exchange and collaborative projects.

The Department has helped shape the Medical College’s Masters degree program in Clinical Investigation, and faculty teach both in its core curriculum and its elective courses. Department faculty also teach residents and other health professionals in a variety of other venues, in the Medical College, the NewYork-Presbyterian Hospital, and affiliate hospitals.

The Department runs fellowship programs in General Preventive Medicine, Heath Services Research, and Addiction Medicine. Students in these programs are mentored by department faculty while obtaining masters degrees in the Medical College’s Clinical Investigation program or from Columbia University’s Mailman School of Public Health. The Medical Ethics division also sponsors a postdoctoral fellowship in Biomedical Ethics in conjunction with the Hospital for Special Surgery’s Department of Rheumatology.

The Department and all its Divisions also sponsor regular grand rounds and seminars about current research topics that are open to the public. Speakers include department members as well as invited guests. Most of these seminars provide CME credit.

**Research:** Department faculty conduct academic and clinical research to improve the delivery of health care in this country and around the world, and develop and evaluate programs for preventing and treating illness.

Our current research agenda focuses on the measurement and assurance of quality of care and patient safety, the assessment of medical practices and technologies, cost containment and the best allocation of scarce health care resources, rational planning for public health emergencies, ethical issues in research and in emerging health care issues, prevention program aimed at adolescents, and the organization of the health care delivery system.
Projects also focus on investigating the benefits of disease screening, analyzing the cost-effectiveness of HIV/AIDS and hepatitis C treatment, analyzing outcomes and cost-effectiveness of medical devices, and developing computerized models to plan for bioterrorism, pandemics, and natural disasters. Current studies also aim to implement adolescent drug abuse prevention programs and to better understand and address gender, cultural, and socioeconomic aspects of health promotion and disease prevention.

The Laitman Clinical Scholars Program, funded by Nanette Laitman and the Medical College, supports clinical research in four areas of Public Health: Prevention in the area of women’s health, Clinical Evaluation, Community Health, and Quality of Care Research.

The Department engages in numerous collaborations with departments and divisions throughout the Medical Center on biomedical and public health research of shared interest. Department faculty publish groundbreaking academic research in major public health, statistical, and medical journals. In fiscal year 2008, Department faculty published 110 journal article and 7 books or chapters.

**Department Organization:** In order to pursue its broad agenda and to provide homes for its multi-disciplinary faculty, the Department has been organized into six integrated divisions.

**Division of Biostatistics and Epidemiology**
The Division’s role is to support and encourage research at the medical college and to serve as an academic home for biostatistics and epidemiology. It provides services though long-term plans with Departments in the Medical Center, through its Biostatistics and Research Methodology Core, and in its role in the Medical College’s Clinical and Translational Science Center (CTSC). The Department’s Cornell Analytic/Consulting Service provides these services to healthcare organizations outside of the Medical College. The Division also develops epidemiologic studies and innovative statistical research methods, and trains students, faculty, and staff in statistical and epidemiological methodology and software.

**Division of Community and Public Health Programs**
The Division studies and develops interventions to address important inadequacies in our health care system of public health significance. It operates clinics for substance dependency and employee assistance programs. Faculty members conduct research in integrated treatment for patients with both substance abuse problems and hepatitis C or mental health issues. They also focus on cultural competency and organize community outreach efforts to address important public health concerns in underserved areas of New York City, including diabetes, cardiovascular health, HIV/AIDS, and cancer detection and treatment.

**Division of Health Policy**
This division studies the efficient and equitable allocation of scarce health care resources, focusing on health care technology assessment and comparative effectiveness, cost-
effectiveness studies, disparities in treatment and preventive care, financing and reimbursement, and incentives for implementation of evidence-based practice.

**Division of Medical Ethics**

This joint division in the Departments of Medicine and Public Health conducts research in medical ethics and coordinates Weill Cornell's curricular activities in this area. Areas of scholarship include the integration of ethics into health services, research and health policy advocacy to improve the medical treatment of patients with brain injury; the ethics of clinical decision making; the care of the terminally ill; and the ethical dimensions of clinical and basic science research. The Division also provides a research consultation service to help clinical researchers design and carry out studies ethically, as well as a clinical ethics consultative service to help patients and their family members resolve ethical issues that arise regarding decisions relating to care.

**Division of Outcomes and Effectiveness Research**

The Division's mission is to improve the quality and effectiveness of medical care. Its large-scale projects include the Weill Cornell Center for Education & Research on Therapeutics (CERT), focusing on medical and orthopedic devices; Accelerating Change and Transformation in Organizations and Networks (ACTION), an AHRQ-funded contract for rapid-cycle, applied research in health services; the Cornell Institute for Disease and Disaster Preparedness (IDDP), which aims to become the nation’s leading research and education center for public health response logistics; and an evolving multifaceted Quality and Clinical Informatics initiative to improve patient safety and quality.

**Division of Prevention and Health Behavior**

This division focuses on the increasingly important role of health promotion and the application of principles of prevention to lessen the occurrence and impact of chronic disease. It conducts studies to better understand psychological, gender, cultural, and socioeconomic aspects of health promotion and disease prevention, and it implements and assesses school-based substance abuse prevention programs.

Profiles of faculty holding primary appointments in the department follow.

**Alvin I. Mushlin, M.D., Sc.M.**

Chairman, Department of Public Health
The Nanette Laitman Distinguished Professor of Public Health
Professor of Medicine
Public Health Physician-in-Chief
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Dr. Alvin I. Mushlin earned his undergraduate and medical degrees at Vanderbilt University. After internship and residency in internal medicine at New York Hospital/Cornell Medical Center, he joined the initial group of Robert Wood Johnson
Clinical Scholars at Johns Hopkins University where he completed his medical residency and a master's degree in public health. He is board certified in internal medicine and a Fellow of the American College of Physicians. Before joining Cornell, he was Professor of Community Medicine and Medicine at the University of Rochester (since 1976), where he was active in research and teaching programs, as well as in clinical practice as a primary care internist. He is the author of over 100 publications in the fields of primary care, clinical epidemiology and medical technology assessment. He has been a consultant to many national groups, including the Clinical Efficacy Assessment Project of the American College of Physicians, the National Blue Cross Association and the United States Preventive Health Services Task Force. He was elected to the National Councils of the Society for General Internal Medicine and the Society for Medical Decision Making, and he served as Chair of the Health Care Quality and Clinical Effectiveness Study Section at the Agency for Health Care Policy and Research. Dr. Mushlin is Associate Program Director of the Masters Program in Clinical Research. In this role he provides oversight on all aspects of recruitment, including the K-30 web site, materials for recruitment, and publicity efforts. He and other Department faculty were integrally involved in the development of the Clinical Research program and are responsible for the coursework and mentored research in the Health Services and Outcomes Research concentration, as well as for the core course, “Foundations of Clinical Research.” He also Directs the Department’s General Preventive Medicine Program, mentoring Fellows in public health and health services research.

For his entire academic career, Dr. Mushlin has worked to improve the knowledge base for clinical decision-making and clinical policy formulation. His research can be best categorized as outcomes research. He has sought both to shed light on important practice issues and to develop new methods and an analytic framework for these purposes. Specifically, he has conducted studies in a variety of settings, to quantify the value and accuracy of diagnostic tests and procedures, to understand the efficacy and cost-effectiveness of interventions for common clinical problems, and to measure the quality of medical care. He has studied clinical and public health problems such as upper respiratory tract infections, breast cancer, multiple sclerosis, and coronary artery disease, with the goal of making medical care and public health more evidence-based and priority setting more rational. He has contributed to the methodological literature on evaluations of medical technologies, particularly diagnostic techniques, and his papers have helped to illuminate the potential that probabilistic reasoning and decision analysis hold for clarifying optimal clinical strategies and guidelines. Dr. Mushlin has participated in the development of cost-effectiveness analysis as a new technique in medical research. He is currently the Principal Investigator on the Weill Cornell Centers for Education and Research Therapeutics (CERT) grant from AHRQ to evaluate medical and orthopedic devices, as well as a leader of Accelerating Change and Transformation in Organizations and Networks (ACTION), an AHRQ-funded contract for rapid-cycle, applied research in health services. He recently directed an in-depth study of the impact and importance of diabetes in the state of Qatar.

Division of Biostatistics and Epidemiology
Dr. Mazumdar holds an M.S. in Statistics from the University of Delhi, India, an M.A. in Mathematics from the University of Pittsburgh, and a Ph.D. in Mathematical Statistics from Penn State University. Dr. Mazumdar was recruited by Weill Cornell Medical College (WCMC) in 2004 to become Chief of the then newly created Division of Biostatistics and Epidemiology in the Department of Public Health. She was an Associate Attending Biostatistician at Memorial Sloan-Kettering Cancer Center (MSKCC) before that. Over the past five years she has been highly successful in building the division--crystallizing its mission, creating a viable financial plan, promoting its collaborative and methodological research agenda, and supporting divisional faculty in developing their own research agendas.

Dr. Mazumdar has developed and co-directs courses in introductory and advanced statistical methods for observational studies, including meta-analysis and nutritional epidemiology. She also organizes a seminar series for the division, providing a platform for the faculty and methodologists from the division, neighboring institutions, and beyond to showcase their methodology and collaborative research. She also provides mentorship to the public health, hematology-oncology, nutrition, cancer prevention, genetics, and cardiology fellows and supports their training grants.

Dr. Mazumdar’s research efforts have resulted in over a hundred papers, book chapters, and presentations. She has also successfully obtained numerous collaborative grants. Her collaborations span the subject matters of germ cell tumors, bladder cancer, radiology, surgery; chronic kidney disease, therapeutic medical devices, thoracic surgery, and hematological oncology. Her current grant awards include leading the biostatistics and data management core for the Phase II contract from National Cancer Institute (NCI), co-leading the same core for the Centers for Education and Research on Therapeutics (CERTs) grant from Agency for Healthcare Research and Quality (AHRQ), and leading the Research Design and Biostatistics Core in support of the Clinical Translational Science Award (CTSA) from the National Institutes of Health (NIH). She is a consultant statistical editor of *Journal of Experimental Medicine*, RU Press, and serves on various data safety monitoring boards.

Her methodological research topics include:

- Public Policy Issues in Cancer Rehabilitation (Cancer Rehabilitation Medicine in Oncology: Editor: Stubblefield, MD; August, 2009)
- Statistical Considerations Underlying Therapeutic Response Criteria for Lung Cancer: A Review in the Context of Emergence of Multi-Slice CT Scanner and Computer Assisted Diagnostic Algorithm for Volumetric Assessment (Optical
Linda M. Gerber, PhD, MA
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Dr. Linda Gerber, Epidemiologist, is Director of the Biostatistics and Research Methodology Core and Professor of Public Health. She is also Professor of Epidemiology in Medicine. Dr. Gerber holds a PhD in Biological and Medical Anthropology and an MA in Physical Anthropology, both from the University of Colorado. She has postdoctoral training in epidemiology from Weill Cornell Medical College. Dr. Gerber is a national expert in hypertension research who has investigated the relationship between psychological characteristics and responses to antihypertensive drug therapy, as well as
the role of ethnicity, socioeconomic status, and behavioral and genetic factors on diurnal blood pressure patterns. Since joining the Department in 1979, she has collaborated as an epidemiologist and medical anthropologist in a variety of clinical epidemiological research projects. Dr. Gerber has taught in several courses for the Medical College. She is currently a preceptor for Introduction to Epidemiology and Biostatistics and Public Health and Community Medicine and is involved in mentoring Fellows within the Department’s General Preventive Medicine Program. She is on the editorial board of the American Journal of Human Biology and the Journal of Environmental and Public Health and is a reviewer for many journals, including Annals of Internal Medicine, American Journal of Hypertension, and Annals of Epidemiology.

Dr. Gerber’s research has been primarily in the area of hypertension epidemiology and she was the Principal Investigator on the Neighborhood Study, a National Heart Lung and Blood Institute (NHLBI)-funded study which investigated the relationship of ethnicity, socioeconomic status and sleep patterns on diurnal blood pressure rhythms. Currently, Dr. Penny Feldman (of the Visiting Nurse Service of New York) and Dr. Gerber are collaborating on a major study funded by the NHLBI to improve hypertension management and blood pressure control in an African American home care population. Dr. Gerber has also been awarded Task Order Number 13, entitled "Effect of the Patient Activation Measure (PAM) on Chronic Care" as part of the Integrated Delivery System Research Network of the U.S. Agency for Healthcare Research and Quality. This research explored whether a PAM-driven intervention increased patients’ knowledge and self-management behaviors and whether this intervention improved the blood pressure levels of hypertension patients. The research team developed a “change package” of evidence-based hypertension management strategies geared to patients scoring at the four different stages of activation on the Patient Activation Measure. Groups were randomly assigned in a managed long-term care plan to intervention or control status and care managers on the intervention teams were trained to use the change package in conjunction with a patient’s PAM score to design – with the involvement of the patient – an individualized hypertension management plan. The impact of the intervention on patient activation and outcomes are being assessed.

With Drs. Sandy Saintonge and Heejung Bang, Dr. Gerber has been investigating the prevalence of vitamin D deficiency and its risk factors in a variety of populations. A recently published paper entitled “Implications of a new definition of vitamin D deficiency in a multiracial US adolescent population: the National Health and Nutrition Examination Survey III” (Pediatrics, March 2009) found a disproportionate burden of vitamin D deficiency in non-Hispanic black adolescents, in females and in overweight adolescents. Current research is focusing on assessing vitamin D deficiency among pregnant women, again using NHANES data sets.

Heejung Bang, PhD, MS
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Dr. Heejung Bang received her MS and Ph.D. in Statistics from the North Carolina State University. She then completed a post-doctoral research fellowship in the Departments of Biostatistics and Epidemiology at Harvard School of Public Health. In 2001, she was a recipient of a young investigators award in the Statistics in Epidemiology Section at the Joint Statistical Meetings hosted by the American Statistical Association. Then she served as a faculty member at the Collaborative Studies Coordinating Center in the Department of Biostatistics at the University of North Carolina-Chapel Hill for three years. At Weill Cornell Medical College, she is collaborating with clinical researchers in the fields of HIV/AIDS, kidney disease, diabetes, and heart disease. She has already published 65 articles (51 are peer-reviewed; 18 as first author). She teaches a course “Statistical methods for observational studies” at WCMC.

Dr. Bang’s work bridges theoretical and applied statistics by using statistical theory to develop research tools useful to applied biomedical researchers and clinicians. Her studies range from predicting kidney disease to medical cost estimation to the development of an index to quantify the completeness of blinding in clinical trials. Her contribution to the field of kidney disease screening has brought her a national and international reputation; her screening model was subsequently validated in independent samples and was shown to improve upon the current clinical practice guidelines endorsed by the National Kidney Foundation. A recently published study that she led draws attention to the important link between cardiovascular disease and chronic kidney disease and the need for screening and treatment of CKD in CVD patients. (Nephrol Dial Transplant, 2009 Mar 26) Her methodological contributions to the analysis of medical cost and assessment of blinding in clinical trials are also of great value. The Bang & Tsiatis estimator (2000) for censored medical cost is the first unbiased estimator in the literature. Bang et al.’s Blinding Index (2004) provides a method for making a numerical assessment of the success of blinding in a clinical trial. This index is now incorporated into the popularly used statistical software STATA. Dr. Bang served as Principal Investigator, co-Principal Investigator, or co-Investigator on multiple grants including R01 HL096575-01 with the title of ‘A unified approach for cost-effectiveness analysis’; her research is reflected in a prolific publication record in diverse fields. She is the Editor of the book ‘Statistical Methods in Molecular Biology’ (Humana Press, to be published in 2010). Her methodological research topics include:

- Blinding and noncompliance in clinical trials (Controlled Clin Trials 2004, 2005; Stat in Med 2007. NOTE: Blinding Index is built in Stata)
- Multiple testing, Sample size calculation, Microarray (Biostatistics 2005; Science 2004; J Biopharm Stat 2005)
- Causal inference and nonrandomized treatment (Biometrics 2005; Stat in Med 2008)
- Biostatistics tutorial (Neuroepidemiology 2006)
- Disease prediction models (in kidney disease and diabetes, see below)
• Diabetes (*Diabetes* 2004; *Diabetes Care* 2005; *Diabetologia* 2007)
• OB-GYN (*JCEM* 2006; *Fertility and Sterility* 2006; *Oncologist* 2007)
• Prevention science (*Additive Behaviors* 2007; *Prev Sci* 2007)
• Meta-analysis (*J Family Pract* 2007; *STD* 2007)

**Yan Ma, PhD, MA, MS**  
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Dr. Ma is Assistant Professor of Biostatistics in the Division of Biostatistics and Epidemiology in the Department of Public Health at Weill Medical College of Cornell University and Assistant Professor of Biostatistics in the Research Division at the Hospital for Special Surgery.

He received his Ph.D. in Statistics from the University of Rochester in 2008. His research interests in statistical methodology center on inference for instrument reliability and rater agreement, nonparametric estimation and inference, observational studies, causal inferences, longitudinal data analysis, and missing data problems. His experience in applied medical research includes collaborative work on a series of NIH-funded HIV/AIDS, orthopedic, and suicide prevention studies. During his doctoral training, he successfully applied the novel approach proposed in his dissertation to addressing important issues on accuracy of proxy outcomes in patients with depression within a longitudinal data setting in the presence of missing data.

Currently, he is collaborating with investigators across the departments at the Hospital for Special Surgery, providing statistical consulting assistance in study design, grant proposal, and data analysis utilizing rigorous statistical methods. He has a particular interest in the field of national database outcomes associated with rare events such as perioperative death and a number of complications after orthopedic surgery. He was recently awarded a CERT (Center for Education and Research Therapeutics) pilot grant to study inference for Cronbach’s Coefficient Alpha from the Weill Medical College of Cornell University.

**Stefano Monni, PhD**  
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Stefano Monni, Ph.D., is Assistant Professor of Biostatistics in Public Health. He holds a Ph.D. from the University of Cambridge. He was Marie Curie Post-doctoral fellow at the Sanofi-Aventis Genetics Center in Évry, France, and then was a post-doctoral researcher in the Department of Biostatistics and Epidemiology at the University of Pennsylvania. His research is primarily in Bayesian statistics. At Weill Cornell Medical College, Dr. Monni has been collaborating with Dr Melnick's group in the Division of Hematology and Oncology in the Department of Medicine.

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Dr. Zhou joined the faculty at Weill Cornell Medical College from the Genomic Institute of Novartis Research Foundation in San Diego, where she served as a biostatistician and worked on projects related to microarray and high-throughput screening data analysis. She holds a Ph.D. from the Institute of Statistics and Decision Sciences at Duke University. She has extensive knowledge of Bayesian statistical methods and hierarchical models and is highly experienced in handling large complex datasets and proficient in statistical programming for complex statistical models. She developed a novel Bayesian hierarchical classification model to classify missense mutations of disease genes, made theoretical contributions to devise formulas for power and sample size calculation of strata-matched non-randomized studies with survival outcomes, and contributed greatly to the development of statistical methods and software for estimating minimum inhibitory concentrations based on microbial growth curves. She has been collaborating extensively with researchers at WCMC with a focus on multilevel modeling and statistical methods for cancer related laboratory researches. She has 19 publications. Her current projects include developing statistical methods for improved assessment of molecular signatures using microarrays (funded by CTSC at WCMC) and developing comprehensive prognostic models for esophageal cancer using Bayesian approaches (expected to be funded by NIH/NCI). She also mentors graduate students with design of their experiments and data analysis and teaches in the biostatistics course for the graduate school.

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Dr. Banerjee joined the faculty at Cornell after completing his PhD from the University of Alabama at Birmingham. While pursuing his PhD, Dr. Banerjee worked on Bayesian model selection techniques to map QTL (Quantitative Trait Loci) for experimental organisms. He developed MCMC algorithms to jointly analyze multiple correlated traits to detect pleiotropy and pleiotropy vs. close linkage. At Cornell, Dr. Banerjee is
collaborating with Dr. Mark Rubin’s laboratory to analyze gene expression data for prostate cancer. He was involved in six peer reviewed publications in various roles including lead author. Dr. Banerjee has also co-authored in writing a book chapter. He has also lectured Introduction to Biostatistics to medical residents.

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Dr. John completed his doctorate in Statistics from the Department of Applied Mathematics and Statistics at Johns Hopkins University in 2005. After completing his doctorate, he spent two years working as a biostatistician in the clinical trials unit within the Division of Endocrinology & Metabolism at Johns Hopkins School of Medicine, and then later as research biostatistician at the Children’s Hospital of Philadelphia, before joining Weill Cornell. He currently spends a substantial amount of time collaborating with the Department of Radiology and Robotic Prostatectomy group lead by Dr. Ashutosh Tewari in the Department of Urology. He has methodological experience in nonparametric two-sample tests, multiple testing and nonparametric regression to the mean. Drawing from this background, he devotes a small percentage of time developing novel statistical methodologies that address problems arising from the collaborative research projects. Dr. John was recently awarded a pilot grant from the Weill Cornell Center for Education and Research on Therapeutics (CERT) to study “Improvement in Sample Size Calculation for Cluster-Randomized Trials.” He teaches Introductory Biostatistics to Radiologists. He has contributed to seven journal articles, one as first author. He is also a reviewer for Journal of Nonparametric Statistics, Journal of Statistical Planning and Inference, Communications in Statistics – Simulation and Computation, Computational Statistics and Data Analysis.

**Paul J. Christos, Dr.P.H., M.S.**  
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Dr. Christos received his Doctorate in Public Health (Dr.P.H.) in Epidemiology from the New York Medical College School of Public Health in 2009. In 1995, he received his Masters (M.S.) in Biostatistics and Masters (M.P.H.) in Epidemiology also from the New York Medical College School of Public Health. Prior to joining Weill Cornell Medical College in January 2000, Dr. Christos worked as a biostatistician and epidemiologist at Strang Cancer Prevention Center, and later as a biostatistician in the Dermatology Service at Memorial Sloan Kettering Cancer Center. During this time he also served as
an adjunct faculty member in the Department of Public Health, Weill Medical College, and in the Department of Health Quantitative Sciences, New York Medical College, where he taught introductory epidemiology and biostatistics to medical students and graduate students.

Dr. Christos has collaborated with nearly all of the academic departments at Weill Medical College, providing statistical analyses, sample size/power calculations, assistance with the design of studies, and assistance with manuscript preparation and submission. As a result of these consultations and collaborations, Dr. Christos has coauthored numerous publications (specifically with a strong focus in cancer research). Examples of his current work include the provision of biostatistical services to a multi-institutional Phase II Clinical Trial Consortium (for NCI submissions and/or manuscript submission to scientific publications) and the provision of biostatistical and epidemiologic services to investigators utilizing the Research Design and Biostatistical Core (RDBC) of the Clinical and Translational Science Center (CTSC). Through the RDBC mechanism, Dr. Christos provides support for all quantitative aspects of a clinical project utilizing the CTSC. Dr. Christos also collaborates with many investigators utilizing the Biostatistics and Research Methodology Core Facility.

Dr. Christos also dedicates a significant portion of his time to teaching at Weill Medical College, New York-Presbyterian Hospital, and a number of our affiliated institutions. His teaching responsibilities include instruction in epidemiological and biostatistical methods to residents, fellows, medical students, and physician assistants. In 2001, Dr. Christos was awarded an Award for Teaching Excellence for his outstanding efforts in teaching epidemiology and biostatistics in the medical school curriculum.

**Division of Community and Public Health Programs**

**Ann Bordwine Beeder, MD**  
Interim Chief, Division of Community and Public Health Programs  
Associate Professor of Clinical Public Health  
Associate Professor of Clinical Psychiatry  
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Medical Director, Vincent P. Dole Treatment and Research Institute  
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Dr. Beeder holds an undergraduate degree from Stanford University and a medical degree from George Washington University. She completed both her residency and fellowship in Psychiatry and Addiction Psychiatry at NewYork-Presbyterian Hospital's Payne Whitney Clinic.
Dr. Beeder's research interests include translational medicine in opiate dependency disorders, hepatitis C, and co-morbid psychiatric and substance abuse disorders. She received a Clinton Global Initiative Award and shared it with Dr. Andrew Talal to devise novel strategies to treat patients with opiate dependency disorders and chronic hepatitis C. Upon completing this project in 2008, Dr. Beeder joined ongoing research led by Dr. Brian Edlin to focus on identifying and treating young heroin addicts with acute hepatitis C. Team members include Dr. Mirella Salvatore, Dr. Brandon Adon, Michael Carden and others.

Dr. Beeder has an interest in developing programs using the Arts to treat patients with psychiatric and substance abuse disorders. She has a Four Friends Foundation Award applied toward developing this interest.

She is also a Co-Investigator (PI: Dr. Bruce Schackman) on a grant from the Robert Wood Johnson Foundation on the cost-effectiveness of buprenorphine treatment for opioid dependency. She has contributed to more than seven books and two journal articles about substance abuse and hepatitis C treatment.

Dr. Beeder is currently the Medical Director of all the Division’s patient services including the Vincent P. Dole Institute with Program Director Mr. Kim Alexander, The Midtown Clinic for Treatment and Research with Program Director Dr. Christopher Sturiano, The Employee Development Program with Program Director Mr. Jeffrey Diaz, and The Employee Assistance Program Consortium with Program Director Dr. Patricia MacDonald.

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Dr. J. Emilio Carrillo serves as Vice President of Community Health Development at the NewYork-Presbyterian Hospital. Dr. Carrillo is also an Associate Professor of Clinical Public Health, and Associate Professor of Clinical Medicine at the Weill Medical College of Cornell University. He has led NewYork-Presbyterian’s Community Health Plan since 1995. In 2008 the Plan ranked first in quality among all twenty-three health plans in New York State.

Dr. Carrillo graduated from Columbia College and received his M.D. and M.P.H. degrees from Harvard University, and subsequently trained in Internal Medicine at the Cambridge and Massachusetts General Hospitals. For ten years he served in the faculties of Harvard
Medical School and Harvard School of Public Health, where he practiced, taught medicine, and administered primary care programs.

While at Harvard, Dr. Carrillo conducted pioneering work in the fields of Cultural Competence and Community Health. He served as a Principal Investigator for the National Cancer Institute’s (NCI) first community based intervention program designed to reduce smoking in the Hispanic Community. Dr. Carrillo also spearheaded Project Life, a seminal program that introduced the use of Navigators and Community Health Workers in the pursuit of infant mortality reduction. Currently he serves as a Northeast Principal Investigator for the National Cancer Institute’s (NCI) Redes en Accion: National Latino Cancer Research Network.

In 1990 Dr. Carrillo was recruited through a national search to head the New York City Health and Hospitals Corporation. As the twelfth President of the nation’s largest municipal hospital system, he implemented a multitude of health promotion and cultural competence initiatives, strengthened primary care services and laid the foundation for managed care readiness.

Emilio was an original founder of the Boricua Health Organization. He later founded the Journal of Latin Community Health and the Journal of Multicultural Community Health and now serves on the Board of Directors of the National Hispanic Medical Association. Dr. Carrillo has served in many State and Federal advisory councils, including the NCI, National Heart Lung and Blood Institute (NHLBI), National Centers for Health Statistics (NCHS), Agency for Health Research and Quality (AHRQ) and advisory groups to the Governors of Massachusetts and New York State. He has published widely, received numerous awards and has been appointed as a Fellow of the New York Academy of Medicine.

Dr. Carrillo has served the Robert Wood Johnson Foundation as a Senior Fellow in Residence - “Eliminating Racial and Ethnic Disparities in Health and Health Care”, and is now a distinguished scholar in the Network for Multicultural Research on Health and Healthcare funded by the Foundation. He co-Chairs, the Steering Committee of the National Quality Forum’s project, “Endorsing a Framework and Preferred Practices for Measuring and Reporting Culturally Competent Care”.

Dr. Carrillo’s research and collaborations during his years at Harvard laid the foundation for Patient Based Cross-Cultural Healthcare. He designed and collaborated in the implementation and application of a cross-cultural medicine curriculum that has been adopted by many Medical Centers around the nation and has helped to define the fields of Cultural Competence and Cross-Cultural Communication. (March 12, 2009)

Dr. Carrillo has been honored with numerous awards in recognition of his work and his service to the community. These include a Certificate of Appreciation and Recognition of Service from The Latino Caucus of the American Public Health Association; the National Heart, Lung and Blood Institute Award; service on the Distinguished Panel of Hispanic Scientists, Award Recipient and Keynote Presenter, National Institutes of Health; Latino
Caucus Award, American Public Health Association; and Distinguished Service and Leadership Award, National Hispanic Medical Association. At the request of the National Quality Forum, he co-chaired their Steering Committee: "Endorsing a Framework and Preferred Practices for Measuring and Reporting Culturally Competent Care Quality." The project seeks to endorse a comprehensive national framework and core competencies for evaluating cultural competency across all healthcare settings, as well as a minimum set of preferred practices based on the framework. This past year he was the speaker at the White Coat Ceremony for the Class of 2011 at Weill Cornell Medical College. He was also selected to present the 2008-2009 Alvin F. Poussaint MD Lecture at Harvard Medical School. He has contributed to more than 11 publications; 2 as first author.

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Dr. McDonald is the Director of the Employee Assistance Program Consortium (EAPC), part of the Division of Community and Public Health Programs. She received a B.A. degree in Psychology from Swarthmore College, and Master of Social Work and Doctor of Social Welfare degrees from Hunter College School of Social Work. Dr. McDonald holds certifications in clinical social work, supervision, not-for-profit management, alcoholism and substance abuse counseling, and cognitive therapy and schema therapy. Her professional experience includes clinical, supervisory, and director positions at agencies in the Bronx, including the Jewish Association for Services to the Aged, the East Bronx Council on Aging, and the Citizens Advice Bureau. Since 1984, Dr. McDonald has held teaching and training, clinical, and administrative positions at Hunter College, including serving as the administrator of Hunter’s Employee Assistance Program. She is also a staff therapist at the Cognitive Therapy Center of New York. Dr. McDonald is a reviewer for the *Journal of Teaching in Social Work* and a member of the International Society for Schema Therapy.

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Dr. Salvatore is Assistant Professor of Public Health in the Division of Community and Public Health Programs, and Assistant Professor of Medicine in the Division of Infectious Diseases. She is working in the Vincent P. Dole Institute for Treatment and Research providing medical services to patients with opioid dependence and hepatitis C.
Dr. Salvatore completed her undergraduate degree at the Scientific Lyceum in Italy, and her M.D. summa cum laude at the Catholic University Medical School in Rome, Italy. In the United States she completed Internal Medicine Residency training and a 3-year clinical and research fellowship in Infectious Diseases at Mount Sinai School of Medicine. She is presently Board certified in Internal Medicine and Infectious Diseases. Dr Salvatore’s research background has focused for several years on emerging pathogens and influenza virus infection. After working in Italy at the Istituto Superiore di Sanita’ on Prion Diseases, she came to the United States and worked on Borna Disease Virus in the laboratory of Dr. Ian Lipkin at the University of California at Irvine. Later, in the laboratories of Adolfo Garcia-Sastre at the Mount Sinai School of Medicine, she researched the activation of type1 interferon/cytokine pathways during influenza virus infection and the counter strategies of the virally encoded IFN antagonist, and on influenza virus vaccines. After her clinical training, she continued her research in influenza in the Division of Infectious Diseases at Mount Sinai School of Medicine. She is currently Principal Investigator on a grant from the Stony Wold-Herbert Fund entitled “Inhibition of influenza virus replication by alpha-defensin,” and of an NIH R21 entitled ‘Integrase-defective lentiviral based influenza vaccines’. She has recently broadened her research focus to include infectious diseases in the opioid dependent population. She has contributed to 26 journal articles in major peer reviewed scientific journals (several as first author) and 8 book chapters, including the major reference book ‘Principles and Practices of Infectious Diseases’ edited by G. Mandell.

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Dr. Leon Scrimmager earned his undergraduate and medical degrees from Rutgers University in New Brunswick, NJ. In July 1988, after completing internships and residency in Internal Medicine at St. Lukes/Roosevelt Hospital in New York City, he worked at St. Clare’s Hospital, focusing on HIV Medicine. Dr. Scrimmager became Board Certified in Internal Medicine in 1996. After St. Clare’s, he worked in Community Medicine at North General Hospital, providing care to patients in Central Harlem and teaching interns and residents at the Hospital. Thereafter, he returned to St. Lukes/Roosevelt Hospital as an Assistant Professor of Medicine. In February 2000, he joined the staff at NewYork-Presbyterian Hospital specializing in Addiction Medicine. Dr. Scrimmager provides evaluation and treatment for patients addicted to opiates in the Vincent P. Dole Treatment and Research Institute of the Division of Community and Public Health Programs. He also assisted in establishing the primary care program at the Clinic. He is certified for buprenorphine treatment and is Board Certified in Addiction Medicine. Dr. Scrimmager is actively involved in teaching and is responsible for the Primary Care Medicine elective at the Clinic. His research interests include the effects of high dose methadone on the QT interval.
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Bruce R. Schackman, PhD is Associate Professor of Public Health and Chief of the Division of Health Policy in the Department of Public Health at Weill Cornell Medical College. After earning a BA magna cum laude and an MBA with distinction from Harvard, he worked for 7 years in the pharmaceuticals and medical devices practice of McKinsey & Company, a leading international management consulting firm, and for 6 years in medical investment analysis and venture capital. He then returned to Harvard, where he earned his PhD in health policy with a concentration in decision sciences in 2001.

Dr. Schackman’s research interests include the economic evaluation of health interventions, cost-effectiveness analysis, and access to care by underserved populations particularly relating to treatment of infectious diseases and substance abuse. Dr. Schackman has extensive experience conducting cost and cost-effectiveness analyses of HIV care and testing interventions in the US (and more recently in Haiti). He is the recipient of a 5-year mentored career development award (K01) from NIDA to assess the cost-effectiveness of treatment for chronic HCV in methadone maintenance treatment and other substance abuse treatment settings; in patients coinfect ed with HIV and HCV; and in HCV-infected pregnant women. He has been the lead cost evaluator for HRSA-funded multi-site evaluations of the cost of HIV adherence interventions and of integrated HIV care and substance abuse care with buprenorphine, and is also conducting a cost-effectiveness evaluation of bupremophine maintenance therapy for opioid dependence funded by the Robert Wood Johnson Foundation. Since 1999 he has been an active member of the CEPAC HIV cost-effectiveness modeling group based at the Massachusetts General Hospital. He is also a member of the NIH-funded AIDS Clinical Trials Group, serving as a member ACTG Outcomes Committee from 2001 to 2006 and as a member of the ACTG Optimization of Antiretroviral Therapy Committee from 2005 to 2008. He has provided cost and quality-of-life expertise as a member of several clinical trial protocol teams, including 3 ACTG protocol teams and an NIAID-funded HIV treatment trial in Haiti (CIPRA HT001). In 2008, Dr. Schackman was designated as Lead Investigator for CTN 0032A, an economic analysis ancillary study to a NIDA-funded randomized clinical trial of HIV testing in substance abuse treatment settings. He is on the Board of Trustees of the Society for Medical Decision Making.

Dr. Schackman is the course director for "Economic Evaluations in Health Care" in the K-30 program. He also teaches in the Department’s Foundations of Clinical Research course for the K-30 program and other participants. Additionally, he is an instructor for
the course “Health services research and cost-effectiveness analysis” in the Masters in Public Health Program at the Université Quisqueya in Port-au-Prince, Haïti. The Program is run jointly by GHESKIO (the Haitian Group for the Study of Kaposi’s Sarcoma and Opportunistic Infections), the Université Quisqueya, and Weill Cornell Medical College.

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Dr. Finkel earned her undergraduate degree from University College of New York University as well as an M.P.A, and a Ph.D. in epidemiology and health services research from the Graduate School of Arts and Sciences of New York University. Her professional career has been spent at the Weill Cornell Medical College where she holds the rank of Professor of Clinical Public Health, as well as Course Director for the Department of Public Health (Epidemiology, Biostatistics, Evidence-Based Medicine, Introduction to the Health Care System, and Clinical Clerkship in Health Care Policy). Dr Finkel was named Director of the Office of Global Health Education by the Dean in 2005. As Director, she administers and oversees the Medical College’s international programs for student (clinical and research international electives).

Dr. Finkel was instrumental in establishing Cornell Analytic Consulting Services, which is designed to provide expert epidemiological consulting services to health care organizations locally and nationally based. In addition to her faculty appointment at Weill Cornell Medical College, Dr. Finkel also holds the rank of Professor of Research in Medicine at SUNY Stony Brook and was a Visiting Professor at the School of Public Health, University of Sydney (Australia). She continues to collaborate with the University of Sydney on global health and student exchange programs.

Dr. Finkel has been involved in epidemiological research and health care policy studies for three decades. In addition to her writings on the American health care system, her research focus most recently has been on women's health issues including hormone replacement therapy, mammogram screening, screening and treating women for cervical cancer in resource-poor areas such as rural India and Brazil, and initiating maternal health programs in Peru. She is the author of over 75 publications, including 10 books on public health topics. She is presently serving as Editor of a multi-volume text of Public Health issues (Praeger Press). She is a frequent invited speaker at professional meetings and serves on the Board of several international professional associations.

Dr. Finkel's educational responsibilities involve coordinating and directing medical school course modules in Years 1 and 2, as well as the Public Health Clerkship in Year 4. She twice received Excellence in Teaching Awards for her accomplishments in teaching
Dr. Finkel was recently named a Fulbright Senior Specialist, which is an award given to recognize an individual’s global health work. The program is administered by the Council for International Exchange of Scholars and the J. William Fulbright Foreign Scholarship Board. She also currently serves as a member of the World Health Organization Expert Advisory Panel on Drug Evaluation.

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Dr. Bao comes to Weill Cornell Medical College from the University of North Carolina at Charlotte, where she was Assistant Professor in the Department of Public Health Sciences. She previously was an Adjunct Assistant Professor at the University of California at Los Angeles School of Medicine. She received her B.A. from Fudan University in Shanghai, China, her M.A. from the University of Alabama in Tuscaloosa, and her Ph.D. from the RAND Graduate School in Santa Monica, California. Her current interests include studying the cost of and payment strategies for the implementation of evidence-based depression care management in medical settings and understanding mechanisms underlying racial/ethnic and socioeconomic disparities in health care with a special focus on mental health and substance abuse services. Dr. Bao also maintains interests in methodological issues in health services research including modeling service utilization and costs and making causal inferences based on observational data.

Dr. Bao is currently the Principal Investigator for a Pfizer Scholars Grant in Health Policy. This project will assess the comparative effectiveness and cost-effectiveness of two policy strategies to improve appropriate use of pharmaceuticals, medication management and improved pharmacy benefit coverage, using depression treatment among the elderly as a case example. She is developing a research agenda in assessing the costs of implementing evidence-based depression care management in general medical settings (such as primary care and home care) and related implications for payment policies by Medicare and other payers. Dr. Bao works closely with colleagues at the Weill Cornell Advanced Center for Interventions and Services Research (ACISR) in the Department of Psychiatry.

Her research interests also include investigating the effectiveness of services for the treatment for substance abuse. Her paper published in the December 2006 issue of Health Services Research, “Is some provider advice on smoking cessation better than no advice? An instrumental variable analysis of the 2001 National Health Interview Surveys,” was
selected as the journal’s 2007 John M. Eisenberg Article of the Year for excellent original research in health care policy. Her other awards include Most Outstanding Abstract, AcademyHealth Annual Research Meeting in 2003, 2004, and 2006. In the summer of 2008 she was a Fellow in the 14th Annual Summer Research Institute in Geriatric Mental Health, sponsored by the National Institute on Mental Health and the University of California at San Diego.

Dr. Bao teaches in Economic Evaluations in Health Care, an elective course in the Clinical Investigation Training Program. She has published 16 journal articles, all but one as first or last author.

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Dr. Elkin joined the faculty of Memorial Sloan-Kettering Cancer Center and Weill Cornell Medical College in 2003, after receiving her Ph.D. degree from Harvard University. In addition, she is an Assistant Attending Outcomes Research Scientist at Memorial Hospital for Cancer and Allied Disease and an Adjunct Assistant Professor of Health Policy and Management at the Robert F. Wagner Graduate School of Public Service of New York University. Dr. Elkin’s primary research interest is the application of health services research methods to issues in the treatment and outcomes of breast and other cancers. She is also interested in the use of methods to improve health care decision-making. She is currently studying the relationship between the availability of mammography resources and mammography utilization, with a particular focus on geographic and racial disparities in access to and use of mammography. Her other research interests include the economic and quality-of-life impacts of cancer treatment, economic implications of targeted cancer therapies, the effects of economic incentives and barriers to care on variations in cancer treatment, and the clinical decision-making process from both patient and provider perspectives. She has contributed to about 30 publications, 13 as first or last author. Dr. Elkin teaches in Economic Evaluations in Health Care, an elective course in the Clinical Investigation Training Program. She also teaches in the Epidemiology and Biostatistics Module of Medicine, Patients and Society I for first-year medical students.

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Dr. Gold received her Ph.D. in Health Services Research and Policy from the University of Rochester School of Medicine and Dentistry. Prior to that, she earned an M.A. degree in public policy studies from the University of Chicago, after which she was a health policy analyst working on major policy issues in Washington, DC. Dr. Gold holds a B.S. degree in biology from the University of California at San Diego. Her interests include studying disparities in access to appropriate clinical services and outcomes assessment particularly related to cancer. Her research aims to understand health and economic implications of suboptimal cancer treatment, given that care provided in the community is different than that given in clinical trials. She evaluates large, population-based databases to assess treatment at the community level using econometric models to overcome selection bias; conducts cost-effectiveness analyses using population-based data as much as possible; and studies how treatment decisions are made that might lead to suboptimal care. Her article in the December 2008 issue of Cancer titled “Correlates and effect of suboptimal radiotherapy in women with ductal carcinoma in situ or early invasive breast cancer.” found that many women received delayed or incomplete radiotherapy following surgery for early invasive breast cancer or ductal carcinoma in situ. For those with early invasive breast cancer, the delay increased the risk of a cancer reoccurrence or new breast malignancy. This study received an enormous amount of publicity including interviews by the New York Times and CBS News. Dr. Gold also studies the adoption, diffusion, and cost effectiveness of new technologies, such as pharmacogenetic testing to tailor drug therapy to an individual’s genetic makeup. As an example, she led a study to evaluate the cost effectiveness of using pharmacogenetic testing for UGT1A1 before irinotecan administration for metastatic colorectal cancer. The publication based on this study will be published in the journal Cancer in late 2009. Dr. Gold is also a coinvestigator of the HMO Cancer Research Network where her research focuses on the impact of racial disparities and suboptimal care in breast cancer treatment.

Dr. Gold is currently a Trustee of the Board of the Society for Medical Decision Making (SMDM) and was Co-Chair of the Scientific Review Committee for two years for the annual SMDM meeting. Dr. Gold was previously the Mentoring Program co-coordinator and an active member of the Education Committee (2002-2006). Under her leadership, the Mentoring Program expanded from a one-time activity to include a year-long mentoring program, as well as an informal program to encourage involvement by newer Society members (Meandering Meeting Mentors). Dr. Gold developed and helped run the Career Panel (2003, 2005) and was a panelist for the short course, “How to successfully obtain a career development award” (2007). She has been on the Scientific Review Committee since 2003, including as a subcommittee co-chair (2003-2005), and has also served on the SMDM Nominations Committee (2005) and the Lee Lusted Student Prize Committee (2004, 2006). She received a Lee Lusted prize from SMDM in 2002 for her dissertation research.

Dr. Gold is currently an investigator on a National Cancer Institute-funded study of long-term survivorship in older women with early stage breast cancer (with Rebecca A Silliman, M.D., Ph.D. [PI], of Boston University). She is also a Co-Investigator on the Economics Core of Centers for Education and Research on Therapeutics (Medical
Devices) (CERT) to Weill Cornell Medical College. She recently completed a CERT pilot study to evaluate the cost-effectiveness of accelerated partial breast irradiation using Mammosite™ in early breast cancer patients. She is also the Principal Investigator on an American Cancer Society study of Disparities in Radiotherapy for Breast Cancer and DCIS (ends June 30, 2009).

Dr. Gold has co-directed the Foundations of Clinical Research course, a core component of the Masters Degree and Certificate Programs in Clinical Investigation, and she continues to teach in that course. She has also taught Health Economics in the Baruch College Healthcare MBA program and for third-year medicine residents at Weill Cornell Medical College and Columbia University. She has contributed to 13 full-length, peer-reviewed, published journal articles, 4 as first author.

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Dr. Ghomrawi earned his Bachelors and Masters of Public Health degrees from the American University of Beirut, and his PhD in Health Services Research and Policy from the University of Minnesota with a concentration in outcomes research. He specializes in health economics and health outcomes research, with particular interests in the fields of orthopedics and functional outcomes. Among the projects he is currently involved with is the Weill Cornell Centers for Education and Research on Therapeutics (CERT), which is evaluating outcomes in orthopedic devices in collaboration with researchers at the Hospital for Special Surgery (HSS). He is primarily involved in the implementation of the new total joint replacement registry, a joint effort by HSS and Weill Cornell Medical College which is funded in part by the CERT grant. He is also involved in the evaluation of orthopedic devices using the SPARCS data. His projects currently include evaluating the relationship of patient expectations of recovery to timing and outcomes of total joint replacement patients. He recently completed a pilot grant from HSS titled “Discordance in Patients’ and Surgeons’ Expectations for Total Joint Arthroplasty,” with Co-PI Dr. Alejandro Gonzalez Della Valle of HSS. The study explores the extent and direction of discordance between patients’ and surgeons’ expectations prior to total joint arthroplasty (TJA) surgery. Based on the results of this study, Dr. Ghomrawi was awarded a 5-year K99 mentored career development award from the National Institute of Child Health and Human Development. Dr. Ghomrawi has co-authored 11 published journal articles.

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Dr. Joseph J. Fins is Chief of the Division of Medical Ethics at Weill Cornell Medical College where he serves as Professor of Medicine, Professor of Public Health and Professor of Medicine in Psychiatry. Dr. Fins is also Director of Medical Ethics at New York-Presbyterian Weill Cornell Medical Center and a member of the Adjunct Faculty of Rockefeller University and a Senior Attending Physician at The Rockefeller University Hospital.

A recipient of a Robert Wood Johnson Foundation Investigator Award in Health Policy Research, Dr. Fins has also received a Soros Open Society Institute Project on Death in America Faculty Scholars Award, a Woodrow Wilson National Fellowship Foundation Visiting Fellowship and support from the Dana and Buster Foundations. He was appointed by President Clinton to *The White House Commission on Complementary and Alternative Medicine Policy* and currently serves on *The New York State Task Force on Life and the Law* by gubernatorial appointment. Previously Dr. Fins was a member of New York’s *Attorney General’s Commission on Quality Care at the End of Life*.

Dr. Fins graduated from Wesleyan University (B.A. with Honors, The College of Letters, 1982) and Cornell University Medical College (M.D., 1986). He completed his residency in Internal Medicine and Fellowship in General Internal Medicine at The New York Hospital-Cornell Medical Center and is a Diplomat of the American Board of Internal Medicine.

An Attending Physician at New York Presbyterian-Weill Cornell Medical Center, Dr. Fins chairs the hospital’s ethics committee and teaches medicine and bioethics. The author of over 200 publications in medical ethics and health policy, his most recent book is *A Palliative Ethic of Care: Clinical Wisdom at Life’s End* (Jones and Bartlett, 2006). His current scholarly interests include ethical and policy issues in brain injury and disorders of consciousness, palliative care, research ethics in neurology and psychiatry, medical education and methods of ethics case consultation. He is a co-author of the 2007 *Nature* paper describing the first use of deep brain stimulation in the minimally conscious state.

Dr. Fins has lectured widely in the US, Europe and Latin America and delivered the 2006 *American Osler Society John P. Mc Govern Annual Award Lecture*. He has served as
Dr. Fins is a Governor of the American College of Physicians and a member of the Editorial Boards of *Neuroethics, Journal of Pain and Symptom Management, The Cambridge Quarterly of Healthcare Ethics, The Oncologist* and *BioMed Central Medical Ethics*. He is a Trustee of the American College of Physicians Foundation and has served on the Board of Trustees of Wesleyan University, the Fund for Modern Courts and the American Society of Bioethics and Humanities.

Dr. Fins is a Fellow of the American College of Physicians, The New York Academy of Medicine and The Hastings Center.

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Dr. de Melo-Martín received a Licenciatura in Philosophy from the University of Oviedo, Spain, a Ph.D. in Philosophy from the University of South Florida, and an M.S. in Molecular Biology from The University of Texas at San Antonio. She also did graduate work in Philosophy of Science and Philosophy of Technology at the University of Valencia, Spain. Before joining the Department of Public Health in 2005, Dr. de Melo-Martín was an Associate Professor of Philosophy at St. Mary’s University in San Antonio, Texas, where she taught graduate and undergraduate courses in bioethics and philosophy of science and served as a member of the IRB. She has also been a visiting professor at the Universidad National Autónoma de México and the Universidad Autónoma Metropolitana. Her research interests include Bioethics and Philosophy of Science, and she has published widely on ethical and epistemological issues related to reproductive technologies, molecular genetics, and research ethics. A paper she published this year with her colleague K. Intemann, “How do disclosure policies fail? Let us count the ways” (*FASEB Journal*, January 28, 2009), won a prize as the best paper submitted to the Annual Meeting of the Association for Practical and Professional Ethics. She has also written two books: *Making Babies: Biomedical Technologies, Reproductive Ethics, and Public Policy*, and *Taking Biology Seriously: What Biology Can and Cannot Tell Us About Moral and Public Policy Issues*, and a number of book chapters. She is regularly invited to present at conferences around the country and internationally. She currently holds a two-year grant from the National Science Foundation called “Biology and Ethics: Evaluating the Claim that Biotechnologies Pose a Threat to Human Dignity.” It will provide the first systematic assessment of the ways in which the concept of human dignity is used in current debates about contentious biotechnologies such as human genetic enhancement, the creation of human-nonhuman chimeras, and embryonic stem cell research. Her professional memberships include serving on the Executive Board for the Society for Philosophy and Technology and on the Nominating Committee of the American Society for Bioethics and Humanities.
Dr. de Melo-Martín is Vice-Chair of the IRB at Weill Cornell Medical College. As a member of the Weill Cornell Research Ethics Consultation Service, she is responsible for consulting with and assisting Cornell investigators in the preparation of research protocols, and collaborating with Medical College leadership to develop programs to intensify the institutional commitment to the highest ethical standards in research. She has extensive experience teaching graduate and undergraduate students and professionals on topics related to philosophy of science, research ethics, ethical theory, and responsible conduct in research. At Weill Cornell Medical College, she teaches in the Medical Ethics components of Medicine, Patients, and Society II and III; in the Foundations of Clinical Research course; and Advanced Seminars in the Ethics of Clinical Research in the Masters Program in Clinical Investigation.

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Dr. Rodríguez del Pozo completed JD and MD degrees from the Universidad Nacional de Córdoba, Argentina. He went on to post-doctoral training at the Universidad Complutense in Madrid, as a Specialist in Legal and Forensic Medicine at the School of Legal Medicine. At the Universidad Complutense he also earned a Specialist in Human Rights degree and an MA degree in Bioethics. He then completed a PhD from the Universidad Carlos III in Madrid, where his dissertation on the right to health care was unanimously voted to receive the highest grade of Magna Cum Laude. He has held academic positions at universities and organizations in four continents: He was an Invited Lecturer in the Department of Public Health and History of Science at Universidad Complutense after graduating from the Master in Bioethics program. He was a Visiting Scholar at The Hastings Center in Briarcliff Manor, New York; a Consultant and Professor at the Regional Bioethics Program of the Pan-American Health Organization in Santiago, Chile; a Visiting Professor of Bioethics at the Universidad El Bosque in Bogotá, Columbia; and a Lecturer on Health Care and Economics at the School of Public Health of the Universidad de Buenos Aires, Argentina. He has been a Researcher at the Universidad Complutense Law School, the Universidad Carlos III, and the Novum Millenium Foundation in Buenos Aires He was also a Consultant for a number of ministries in the government of Argentina as well as for the World Bank Program for the Reconversion of the Health Care System. His professional memberships have included but are not limited to being a Founding Member of the Spanish Bioethics Association in Madrid; a Senior Advisor for the Institute for the Argentine Social Development; a Member of the American Society for Bioethics and Humanities; and a Member of The Hastings Center. He is internationally esteemed as one of the leaders in his generation in bioethics in the Spanish-speaking world. His accomplishments before coming to Weill Cornell Medical College include 17 peer-reviewed papers and 19 chapters and essays, as well as teaching activities and consultancies throughout the Spanish-speaking world. Pablo’s reputation in Spanish bioethics led Dr. Daniel Callahan, the founder of The
Hastings Center, to ask him to translate his essay: “The Goals of Medicine” into Spanish. In 2004 he received the Premio Fulvio S. Pagani Annual Award on Applied Economics from the Fundación Arcor in Buenos Aires for a monograph on the Argentine health care system.

Dr. Rodríguez del Pozo has brought his unique multicultural perspective and sensitivity to his teaching and scholarship since becoming one of the founding faculty members of Weill Cornell Medical College in Qatar in 2003. Along with Dr. Joseph Fins, he launched its ethics and humanities program and designed the undergraduate premedical curriculum. The development of this course led to the first scholarly publication to come from the Doha campus (Rodríguez del Pozo and Fins Academic Medicine 2005). He also teaches in the Medicine, Patients and Society courses levels I, II (for which he is Course Segment Director), and III (for which he is Clerkship Director) in the Qatar Medical College, and has instituted other innovative educational programs. In his educational activities he serves as a bridge between the ethical conceptualizations of both campuses. He also has done a superb job in developing relationships with the Hamad Medical Corporation, which is essential for MPS III. As well as teaching the Medical Ethics Curriculum, Dr. Rodríguez del Pozo has lectured in a number of other courses in the Medical College at Qatar. These include Molecules, Cells and Genes; Human Structure and Function; Host Defenses, and Genetics (Pre-Medical Program). He has also taken on significant administrative duties, serving as a member of the Admissions Committee, the Dean’s Committee on the Hippocratic Oath, the Clinical Curriculum Committee, and the Promotions and Graduation Committee.

Dr. Rodríguez del Pozo has made substantial scholarly contributions since joining the Weill Cornell Medical College faculty. In addition to the Academic Medicine paper, he and Dr. Fins collaborated on a number of other articles about the Doha experience. Among these are several published in Cambridge Quarterly of Health Care Ethics, including a paper on Spanish bioethics and a jointly edited and translated collection of essays from Spain and South America to be published in 2009. For these efforts he was invited to join the Cambridge Quarterly editorial board. He also serves on the Qatar National Health Authority Committee on Research Ethics and Bio Bank Scientific Committee. This past year he presented the inaugural session of the Education City Liberal Arts and Social Sciences Research Forum as the representative for Weill Cornell Medical College/Qatar.

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Dr. Cereste is a Physician Ethicist and Assistant Professor of Public Health and Medicine in the Division of Medical Ethics. She is also a Hospitalist Physician in the Division of
Hospitalist Medicine of the Department of Medicine. Dr. Cereste received her medical degree from the University of Vermont College of Medicine. She completed her residency training in Internal Medicine at Maine Medical Center and St. Lukes-Roosevelt Medical Center, and she trained in Geriatrics at Mount Sinai School of Medicine. She also completed certificate programs in Health Care Ethics from the University of Washington School of Medicine and in Bioethics and Medical Humanities from Montefiore Medical Center. Dr. Cereste is board certified in geriatrics and internal medicine. From 2006 to 2009, she served as a Major in the United States Air Force. Her academic appointment was as an Assistant Professor of Medicine in the Uniformed Services University of Health Sciences (Bethesda, MD) at the Wilford Hall Medical Center Campus in San Antonio, Texas. She was also an Attending Internist/Geriatrician at Wilford Hall, as well as a Consulting Physician and Ethicist, the Clinical Team Chief of the Internal Medicine Outpatient Clinic, the Acting Director of the Internal Medicine Inpatient Service, and the Director of Geriatric Medicine Service. Dr. Cereste spent six months as an Attending Physician at the Air Force Expeditionary Trauma Hospital Intensive Care Unit in Balad, Iraq. In this position she gave lifesaving care to wounded coalition forces and Iraqi civilians, prepared and coordinated care of wounded with flight surgeons to evacuate patients from airplanes, volunteered in the OR as a surgical assistant, and obtained additional training in trauma medicine and neurosurgery.

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Dr. Simmerling is Assistant Professor of Public Health in the Division of Medical Ethics and the Assistant Dean for Research Integrity at Weill Cornell Medical College. She comes to the Medical College from Chicago, where since 1994 she has had academic positions in a number of departments both at the University of Illinois and the University of Chicago. In addition to directing programs for research integrity at both institutions, she has also held appointments as a Senior Fellow and Instructor in the MacLean Center for Clinical Medical Ethics and Research Associate for Ethics in the Department of Surgery at the University of Chicago. Her many publications and presentations have dealt with ethical issues surrounding organ transplantation, human subject research ethics, and research integrity. Dr. Simmerling holds an M.A. and Ph.D. from the University of Illinois in Chicago. She completed a Post-Doctoral Fellowship in Clinical Medical Ethics at the University of Chicago's MacLean Center for Clinical Medical Ethics.

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Cathleen Acres received a B.S. in Zoology from the University of Michigan and a B.S. in Nursing from what was then The New York Hospital-Cornell University School of Nursing. She later received an M.A. in Nursing Administration from Columbia University Teacher's College. Ms. Acres spent her years as a nurse in the New York Hospital Burn Center- the last five years as Nurse Manager. She went on to become a Patient Representative at New York Presbyterian Hospital-Weill Cornell Center where she specialized in ethics case consultation and end-of-life decision-making.

Ms. Acres joined the Division of Medical Ethics in 2001. Her research interests include research ethics, end-of-life decision-making, ethics case consultation, and medical ethics education. She serves as a Research Subject Advocate in the Medical College’s Clinical and Translational Science Center, where she works with investigators, staff, the IRB, and research participants to promote the safe and ethical conduct of human subjects research.

Ms. Acres is a member of the NewYork-Presbyterian/Weill Cornell Medical Center Ethics Consultation team and Ethics Committee, and the NewYork-Presbyterian Healthcare System Bioethics Committee.

Ms. Acres teaches in the medical ethics components of the Medicine, Patients and Society (MPS) courses II & III, which are required for all medical students at Weill Cornell Medical College. She has contributed to five journal articles on end-of-life care, ethics case consultation, and palliative care education.

**Division of Outcomes and Effectiveness Research**

**Lawrence Casalino, M.D., Ph.D.**
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Dr. Casalino completed a B.A. degree in philosophy from Boston College and an M.D. from the University of California at San Francisco. After a general internship at Santa Clara Valley Medical Center in San Jose, California, he worked from 1980 to 2000 as a family physician in a private group practice in Half Moon Bay, California. During this period he held Attending Physician appointments at Mills-Peninsula Hospital in San Mateo, CA; at Seton Medical Center in Daly City, CA; and at Seton Medical Center Coastside in Half Moon Bay, CA. From 1984 to 1986, he was Medical Staff President the latter hospital. During the 1990s, while continuing in his medical practice, he earned an M.P.H. and a Ph.D. in health services research, with an emphasis on organization theory, institutional sociology, and institutional economics, from the University of California at
Berkeley. From 1995 to 2000, he was Clinical Assistant Professor in the Department of Medicine at Stanford University. He comes to NewYork-Presbyterian/Weill Cornell from the University of Chicago Department of Health Studies, where he was Assistant Professor (2000-2007), and then Associate Professor with tenure (2007-2008). He joined the Department of Public Health as Chief of the Division of Outcomes and Effectiveness Research in November 2008.

Dr. Casalino’s research focuses on the organization of physician and hospital practice, with “organization” taken to mean both the structures of practice and the processes used to provide health care. He studies the effects of different forms of organization of practice on the quality and costs of health care, as well as the influence of public and private policies on the ways in which practice is organized. He is particularly interested in unintended consequences of policies and in the effects of policies and of the organization of practice on physician professionalism and on racial/ethnic and socioeconomic disparities in health care delivery. He is the recipient of an Investigator Award in Health Policy Research from the Robert Wood Johnson Foundation. He has served on numerous national advisory committees including, most recently, the National Advisory Committee for the RWJF Investigator Award program. He has worked extensively with the Federal Trade Commission and with physician groups and hospitals on anti-trust issues related to clinical integration of physicians and of physician-hospital organizations.

Dr. Casalino has focused on several research methods, including medical record review, surveys, and interviews and case studies. In addition, he has written a number of conceptual articles and reports intended to introduce new problems and/or to help provide new frameworks for thinking about problems. He has published nearly 50 articles in leading journals, including the Journal of the American Medical Association, the New England Journal of Medicine, Health Affairs, and Health Services Research. He was first or last author of 33 of these. He has also written 16 book chapters, monographs, and reports. His writings have received well over 900 citations in the literature of health services research, and his papers have had a direct effect on the development of health policy in this country. His conceptual articles have helped to increase awareness of (1) the potential for quality measurement to have unintended, undesirable consequences; (2) the potential for pay for performance and public reporting programs to increase racial/ethnic and socioeconomic disparities in health care delivery; (3) the conflict between disease management programs based in physician organizations and those operated by health plans, and the possible consequences of this conflict; (4) the lack of data on the organization of physician practice and on the effects of this organization; (5) the potential for Medicare to act to encourage the development of “Accountable Care Systems.”

Dr. Casalino’s empirical work has provided new information about (1) the organization of physician practice and about physicians’ use (or lack of use) of organized processes to improve the quality of care; (2) physician-hospital relations; (3) hospital strategies; (4) pay for performance programs; (5) the cost to physician practices of interactions with health plans; and (6) the frequency with which physicians fail to inform patients of
clinically significant abnormal outpatient test results, and the processes that may reduce this frequency.

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Dr. Nathaniel Hupert is a primary care internal medicine specialist and a researcher in public health and medical decision making in the Departments of Public Health and Medicine, Weill Medical College of Cornell University. He trained at Harvard Medical School, the University of Pittsburgh Medical Center, and the Harvard School of Public Health.

His research focuses on computational modeling of public health emergencies and disasters, with a focus on operations research approaches to major logistical issues like mass prophylaxis. This field of "computational public health" involves the application of mathematical and simulation modeling techniques to health problems that extend beyond the bounds of traditional epidemiology.

Since September 2000, he has directed a series of federally financed research projects on hospital and clinical preparedness for bioterrorism and other public health emergencies. In the course of this research, Dr. Hupert created a number of computer models to study mass antibiotic distribution and hospital capacity in the event of a large-scale anthrax attack or smallpox release. From 2000-2003 he collaborated with the NYC Office of Emergency Management (OEM) and the NYC Department of Health to provide critical computer simulation expertise to the City in development of specific emergency response protocols for bioterrorism.

Since 2005, Dr. Hupert has worked in close collaboration with colleagues in the Cornell College of Engineering, School of Operations Research and Information Engineering, to bring state-of-the-art engineering solutions to critical public health problems. These collaborative efforts have been formalized with the creation of the cross-campus Institute for Disease and Disaster Preparedness, co-led by Dr. Hupert and Professor Jack Muckstadt, the Acheson-Laibe Professor of Engineering at Cornell.

His current research focuses on advancing the science of public health response logistics, with three main modeling projects underway: refinement of the AHRQ Surge Model which provides health resource consumption estimates for pandemic influenza; extension of the Weill Cornell Bioterrorism and Epidemic Outbreak Model (BERM), one of three computer models specifically promoted by the U.S. Centers for Disease Control and Prevention (CDC) for public health preparedness planning nationwide, and the only planning model cited by name in the Federal government's Pandemic Influenza Plan; and a collaboration with University of California-Davis and the State of California
Department of Health (funded by the Department of Homeland Security) to study the use of telemedicine to improve regional hospital management of mass casualty events.

Dr. Hupert has served on a variety of panels including the Medical Management Committee, Bioterrorism Planning Section (NYC OEM, 2000-2003); the Anthrax Modeling Working Group of the U.S. Department of Health and Human Services Secretary's Council on Public Health Preparedness (2004-5 and 2008-present); and RAND Corporation's Expert Panel on Defining Public Health Preparedness (2007). He has lectured nationally on bioterrorism preparedness for the CDC and the Strategic Pharmaceutical Stockpile program and for the DHHS Agency for Healthcare Research and Quality. In September 2008 he was named the inaugural Director of the Preparedness Modeling Unit of the U.S. Centers for Disease Control and Prevention (CDC), under a 50% Interagency Personnel Agreement (IPA) with Weill Cornell.

In addition, in collaboration with the Clinton Foundation HIV/AIDS Initiative (CHAI) Dr. Hupert's research team developed resource planning models for antiretroviral treatment and HIV prevention activities in resource-limited countries. In addition to his published models, Dr. Hupert’s publications include over 20 peer-reviewed journal articles (many as first or last author), and 13 books, book chapters, reviews, and technical reports.

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Dr. Lyman is Assistant Professor in the Division of Outcomes and Effectiveness in the Department of Public Health at Weill Medical College of Cornell University and Director of Epidemiology & Biostatistics at the Hospital for Special Surgery. He received his Ph.D. in Epidemiology from the University of Alabama at Birmingham School of Public Health. Prior to that, he earned an M.S.P.H. degree in epidemiology the University of South Florida. After finishing his PhD, Dr. Lyman conducted sports injury epidemiology research at the American Sports Medicine Institute in Birmingham, Alabama and subsequently conducted highway safety research at the Insurance Institute for Highway Safety in Arlington, Virginia.

His expertise is in clinical research design in orthopedics, using administrative databases to explore health policy related to orthopedics, repeated measures analysis, sports injury prevention research, and surgical trial development. Dr. Lyman’s interests include studying outcomes and safety pertaining to orthopedic procedures, identifying disparities in access to appropriate orthopedic surgical care, exploring practice patterns in orthopedics, and evaluating non-surgical alternatives for the treatment of cartilage degeneration. Dr. Lyman is the principal investigator for a NIAMS funded study of
referral patterns in joint replacement surgery. He also serves as a core investigator on the AHRQ-funded Weill Cornell/Hospital for Special Surgery Center for Education & Research on Therapeutics (CERT). For the CERT, he has studied volume outcomes relationship in the use of implantable cardioverter defibrillators, outcome variations for total joint replacement based on volume and region, assessing the performance of a new pain measurement instrument in patients undergoing total joint arthroplasty, and the feasibility of registry merger between CERT and CORRe hip and knee registries.

He serves on the editorial board and as a referee for a number of orthopedic, sports medicine, and general medical journals. He is a member of the Multi-Center Total Joint Replacement Health Services Research Group, chairman of the data safety monitoring board for a NIAMS-funded randomized controlled trial, a member of the International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine (ISAKOS) Scientific Committee, and serves on a study section for AHRQ.

His awards have included the O’Donoghue Sports Injury Research Award in 2003 for best overall paper in clinical based or human in-vivo research from the American Orthopedic Society for Sports Medicine, and the Neer Award in 2006 from the American Shoulder and Elbow Surgeons in recognition of outstanding clinical science research in the field of surgery.

Dr. Lyman’s teaching contributions include instructing in the Department of Public Health’s Foundations of Clinical Research course, as well as in the Department’s Evidence-Based Medicine and Introduction to Epidemiology and Biostatistics modules in the Medical College’s Medicine, Patients and Society I course.

And he makes movies in his spare time.

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Dr. Ryan is an Assistant Professor of Public Health in the Division of Outcomes and Effectiveness Research and the Walsh McDermott Scholar in Public Health. He has a PhD in Social Policy with a concentration in Health Policy from Heller School of Social Policy and Management, Brandeis University. He also completed a Postdoctoral Fellowship at the Heller School. Dr. Ryan’s research focuses on pay-for-performance and public quality reporting in health care, disparities and discrimination in health care, policy analysis, and applied econometrics. His awards and honors include an AHRQ Training Grant in Health Policy, a Jewish Healthcare Foundation Fellowship, and “Best Abstract” or “Most Outstanding Abstract” awards for 3 of his abstracts presented at AcademyHealth Research Meetings. He won the 2009 AcademyHealth Dissertation Award for his dissertation, “The Design of Value Based Purchasing in Medicare: Theory and Empirical Evidence.”
Dr. Xiong completed his B.S. in Mechanical Engineering and M.S. in Systems Engineering at Tianjin University in Tianjin, China, and then completed another M.S. and a Ph.D. in Industrial and Systems Engineering at Rutgers University in New Brunswick, New Jersey. He has worked as a Lecturer at School of Management, Tianjin University, teaching undergraduate courses Production Analysis and Engineering Economics. Since joining the Weill Cornell Department of Public Health in 2005 as a Research Data Specialist, he has worked with Dr. Nathaniel Hupert on emergency preparedness and global health issues. These have included developing simulation models for staffing and capacity planning of HIV/AIDS ART clinics in resource-limited settings.

Dr. Xiong’s research focuses on stochastic processes, queueing theory, simulation, and their applications to public health related problems. He has contributed to over ten published articles in the fields of public health emergency preparedness, epidemiology, simulation, and queueing theory. Dr. Xiong has been a co-investigator of a number of Federally-funded projects to develop health system preparedness tools to improve mass prophylaxis, bioterrorism response, and hospital emergency preparedness. Currently, he is a co-investigator in an AHRQ funded project to develop a “Hospital Preparedness Exercise Evaluation Resource Guidebook” that provides specifics on the planning, conducting, evaluation, and after action processes for healthcare organizations to consider, in order to meet the intent of exercise program requirements in federal funding programs, accreditation, and regulatory agencies. He is also working on a CDC funded project “Collaborative Planning for Delivery of Essential Healthcare Services”, which aims to create a customized modeling tool in assisting local governments to implement the Modular Emergency Medical System (MEMS) for all types of catastrophic emergencies, with a particular focus on pandemic influenza preparedness.

Division of Prevention and Health Behavior

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Dr. Botvin holds a Ph.D. from Columbia University (1977) with training and experience in developmental and clinical psychology. He is a Professor in both the Department of Public Health and the Department of Psychiatry at Weill Cornell Medical College, Chief of the Division of Prevention and Health Behavior, and Director of Cornell’s Institute for Prevention Research. Dr. Botvin is widely recognized as an expert in the field of tobacco, alcohol, and drug abuse prevention. He has published over 250 peer-reviewed articles and
book chapters, and has presented over 300 papers and invited addresses at national and international scientific meetings.

In 1997, Dr. Botvin was the first prevention researcher to receive a prestigious MERIT award from the National Institute on Drug Abuse, an award given to the most outstanding senior scientists funded by NIH. He is also the recipient of the Presidential Award for Prevention Excellence from the Society for Prevention Research (SPR), is the founding Editor of the Society's journal, *Prevention Science*, and served a two-year term as President of SPR.

Dr. Botvin has served on numerous expert panels and advisory committees for federal agencies such as the National Institute on Drug Abuse, the National Cancer Institute, the Center for Substance Abuse Prevention, the Centers for Disease Control, the U.S. Department of Education and the White House Office on Drug Policy. In 2008, he received a Special Recognition award from the Society for Prevention Research (SPR), a multidisciplinary professional organization that seeks to advance science-based prevention programs and policies through empirical research for his vision, leadership, and years of service as the founding editor of *Prevention Science*, a post he held from 2000 to 2006. Under his leadership, the journal grew to become the preeminent journal for the field of prevention science and one of the top journals in public health.

Dr. Botvin has been a principal investigator on 20 federally funded tobacco, alcohol, and drug abuse prevention projects involving over 300 schools and 40,000 students. He is the Principal Investigator on several studies funded by NIDA to build upon and enhance implementation of an award-winning substance abuse prevention program for junior high and middle school students, called Life Skills Training (LST), that he developed more than 25 years ago. The program consists of 30 sequential classes conducted over three years, which work to prevent future substance use by increasing psychological well-being, reducing the appeal and positive expectations of the social and emotional benefits of smoking and drug use, and increasing assertiveness skills for resisting social influences to engage in the use of tobacco, alcohol, and illicit drugs.

A problem frequently encountered when implementing school-based prevention programs, such as LST, is a lack of adherence to some of the program components. This can occur for a variety of reasons, including difficulties with classroom management and discipline, lack of teacher training, lack of program materials, low levels of funding, decentralized decision making, or lack of program guidance from school district personnel. To address these issues, Dr. Botvin is leading a NIDA-funded study to enhance implementation fidelity for the LST program in a variety of school settings. The project is comparing a group of students receiving program enhancements, such as additional support and workshops for teachers, to a control group using the standard LST curriculum. This will help the investigators to determine if these additional training and support activities improve fidelity as well as the knowledge, attitudes, personal skills, and behaviors of the students. He is also the Principal Investigator for another NIDA-funded study called “A Collaborative System Approach for the Diffusion of Evidence-Based Prevention.” The goal of this study is to provide critical new knowledge to facilitate the
widespread dissemination, adoption, implementation, and sustained utilization of evidence-based prevention in order to reduce tobacco, alcohol, and illicit drug abuse throughout the United States. This research is in the category of Type 2 translational research, which focuses on implementing research findings into community initiatives and policy. The project involves a multi-disciplinary group of senior scientists from Weill Cornell Medical College and Cornell University’s College of Human Ecology.

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Dr. Drusin earned his undergraduate degree at Union College and received his medical degree from Cornell University Medical College. He also holds an M.P.H. from the Columbia University School of Public Health. In 2004 Dr. Drusin stepped down as Program Director of the General Preventive Medicine Residency, a position he held for 17 years, to assume the role of Director of a new student faculty mentoring program under the direction of Dr. Carol Storey-Johnson, Senior Associate Dean for Academic Affairs. He was also formerly director of the Division of Epidemiology at NewYork-Presbyterian/Weill Cornell. He has been the hospital epidemiologist for 39 years. Since 2007, he has been chairman of the infection committee at Weill Cornell.

Dr. Drusin has made outstanding contributions to the prevention and study of nosocomial infections and sexually transmitted diseases, publishing more than 50 papers and book chapters. At Weill Cornell, he directs a program placing Public Health and Community Medicine clerkship students in field locations, and has helped establish an endowment that offers international rotations to medical students. He served as president of the American Venereal Disease Association (now the American STD Association), and he has held prominent roles in many international scientific congresses and study groups relating to sexually transmitted diseases. From 1986 to 1995, he was Regional Director for North America for the International Union Against Venereal Diseases and Treponematoses. Since 1995, he has served as the main representative of the International Union Against Sexually Transmitted Infections to the Economic and Social Council of the United Nations. He is a fellow of the American College of Physicians, a fellow of the Royal College of Physicians of London and one of only two American honorary life members of the British Association for Sexual Health and HIV.

Dr. Drusin was elected the 2008 recipient of the prestigious James D. Bruce Memorial Award from the American College of Physicians for his distinguished contributions in preventive medicine. He was also inducted into Delta Omega, the national honorary public health society. He was inducted as a member of the Beta Iota Chapter of the State University of New York, Downstate Medical Center, Graduate Program in Public Health. Membership in Delta Omega reflects the dedication of an individual to the promotion of
the health of all people and the advancement of public health. From 1990 to 1992, he was President of the Weill Cornell Medical College’s alumni association. He received the 2001 Frank H.T. Rhodes Exemplary Alumni Service Award from Cornell University.

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Dr. Kenneth Griffin earned his undergraduate degree at the University of Chicago and his Ph.D. in psychology from the State University of New York at Stony Brook. Prior to joining Cornell, Dr. Griffin spent two years as a postdoctoral fellow at Columbia University in the Department of Psychiatry and the HIV Center for Clinical and Behavioral Studies. As a postdoctoral fellow at Columbia, Dr. Griffin earned an M.P.H. in epidemiology from the Mailman School of Public Health at Columbia University. Dr. Griffin received the Early Career Award for outstanding contributions to prevention science from the Society for Prevention Research in 2002.

His research interests focus on the etiology and prevention of substance use and HIV risk behaviors among adolescents and young adults. His etiology work has focused on how social competence and effective self-regulation strategies act as protective factors that reduce the onset and escalation of substance use among youth. His work has also focused on the design, implementation, and evaluation of preventive intervention programs for youth, the mechanisms through which effective programs work, and the long-term prevention effects on risky behaviors. Dr. Griffin has also published studies examining how psychosocial factors such as social support and coping styles affect psychological adjustment in patients with chronic illnesses such as rheumatoid arthritis and HIV/AIDS. His research has been supported by the National Institute on Drug Abuse, the National Cancer Institute, and the National Institute on Alcoholism and Alcohol Abuse. He is currently the Principal Investigator for a three-year R01 grant from the National Institute on Drug Abuse that examines the long-term effects of a prevention program on substance use and HIV risk behaviors among urban minority young adults who previously received the program in school during early adolescence. He is also the PI on an R21 grant from the National Institute on Alcohol and Alcohol Abuse to examine how the early onset of adolescent alcohol abuse is related to later risk behaviors among young adults, including alcohol and drug use, HIV risk behaviors, driving under the influence of alcohol or drugs, psychological adjustment, physical activity, and dietary behaviors. He is a Co-Investigator on several other major grants as well. Dr. Griffin has authored or co-authored over 70 peer-reviewed journal articles and over 20 book chapters. His publications are frequently cited, many of them world-wide.

Dr. Griffin has significantly contributed to teaching, mentoring, and supervising students in the Medical College and the K30 Master’s Program in Clinical Investigation. He designed a course on survey research methods for the K30 program and has taught it for the past three years.
Dr. Griffin has worked with community agencies in developing and evaluating programs to combat human trafficking in Eastern Europe and the United States, to promote life skills among Dominican girls, and to prevent bullying in middle schools in the United States. He has participated in scientific conferences and staff trainings in prevention methods in Eastern Europe, Southeast Asia, and Europe.

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Dr. Jennifer A. Epstein earned her undergraduate degree at New York University. She earned her Ph.D. in social/personality psychology from Columbia University. She joined the Institute for Prevention research as part of Dr. Gilbert J. Botvin’s team for his NIDA-funded Center at Cornell University Medical College (now Weill Cornell Medical College). Dr. Epstein’s research interests are in the etiology and prevention of alcohol and drug use, smoking, and other risk behaviors, particularly in inner-city adolescents. Her work includes models of substance use that support competence enhancement prevention programs. She has also explored issues of substance use concerning ethnicity, acculturation and gender.

Dr. Epstein has been a Principal Investigator for six projects, funded by NIH (National Cancer Institute, National Institute on Alcohol Abuse and Alcoholism, and National Institute on Drug Abuse) and two foundations. The projects primarily focused on the secondary data analysis of data collected from participants in the control condition from prevention trials on smoking or drug use longitudinally. In this way, it was possible to examine the natural relationships between potential predictors of substance use and self-reported adolescent substance use longitudinally. The samples consisted of middle school or junior high students, a critical time when substance use begins. Most recently, for a study called “Indicators of Suicidal Behaviors Using National Adolescent Samples” funded by the American Foundation for Suicide Prevention. The key aim was to examine the relationship between indicators of suicidal behaviors (i.e., self-reported suicidal ideation and suicide attempts) and risk behaviors (e.g., alcohol use, delinquency). To date, she authored 64 peer-reviewed journal articles, the majority as first author. Several of these have received significant media attention.

Dr. Epstein has been a reviewer for a variety of journals including Addictive Behaviors, Psychology of Addictive Behaviors, Journal of Studies of Alcohol and Drugs, Prevention Science, and Archives of Pediatrics and Adolescent Medicine. She is on the editorial board of the Journal of Child and Adolescent Substance Abuse. In addition, she has served as action editor for Prevention Science. Dr. Epstein also was Reviewer and Trainer for the National Registry of Effective Prevention Programs in the National Center of the Advancement of Prevention under the Center for Substance Abuse Prevention, part of the Substance Abuse and Mental Health Services Administration.
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Dr. Murphy holds a B.Sc. and an M.P.H. from the University of Miami at Coral Gables and a Dr.P.H. from the Mailman School of Public Health of Columbia University. Since joining the Department in 2005, she has been the project manager of a multi-site drug prevention dissemination trial funded by the National Institute of Health's National Institute on Drug Abuse (NIDA), a role in which she oversees the planning, implementation and day-to-day management of the study. The study aims to determine if additional training and support activities improves the implementation fidelity of drug prevention curricula in middle schools.

Dr. Murphy’s primary interest is in qualitative research, which is well suited for exploratory research. Qualitative research can include focus groups, oral histories, in-depth interviews and case studies. It can reveal nuances and unforeseen aspects of the issues under study that more quantitative studies could miss. For example, she recently explored women’s health issues as they pertain to partner drug use. Specifically, she has studied the experiences of Indo-Trinidadian women who are in relationships with drug users by conducting multiple in-depth interviews with 10 women to understand why they stay in these relationships. She has also conducted focus groups with breast cancer survivors of various ethnicities to investigate the issues related to returning to work after treatment, in collaboration with Dr. Victoria Blinder. Currently, she is developing a study to explore drug use in West Indian Immigrant Adolescents in New York City. Her current research collaborations also include examining the use of new breast cancer therapies with Dr. Heather Taffet Gold, and along with Drs. Linda Gerber and Heejung Bang, Dr. Murphy is also embarking on a women’s health research project in Qatar.

Dr. Murphy has co-authored three published journal articles: “Program implementation fidelity and substance use outcomes among middle school students in a drug prevention program” (Salud y Drogas 2006); “Smoking Cessation and Stress Among Teenagers” (Qualitative Health Research July 2007); and, “Examining anger as a predictor of drug use among multiethnic middle school students” (Journal of School Health September 2008)

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Dr. Reissman earned a Dr.P.H. from the Johns Hopkins School of Hygiene (Bloomberg School of Public Health) in 1980. She holds an M.P.H. from the Columbia School of Public Health (1975) and a B.A. from Lake Forest College (1971).
Dr. Reissman’s field is environmental health—specifically food and water sanitation. She served as the Director of Quality Assurance for Amtrak from 1981 to 1988 and was the Deputy Commissioner for Environmental Health Services at the New York City Department of Health from 1988 to 1990. She managed field staffs that conducted inspections monitoring all environmental health conditions nationwide and citywide in these capacities. Dr. Reissman has been at Cornell since 1995. She organizes and teaches the Environment component of the Medicine, Patients, and Society II class for medical students, which deals with environmental and occupational health topics.

Division of Quality and Medical Informatics

Rainu Kaushal, MD, MPH
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Rainu Kaushal, MD MPH is the Chief of the Division of Quality and Medical Informatics at Weill Cornell Medical College, Director of Pediatric Quality and Safety for NewYork-Presbyterian Komansky Center for Children's Health, and the Executive Director of the Health Information Technology Evaluation Collaborative (HITEC). She is currently an Associate Professor in the Departments of Pediatrics, Medicine and Public Health.

Dr. Kaushal is an expert in quality, patient safety and health information technology (health IT). She has particular expertise in pediatric medication safety and in measuring the effects of health IT on health care quality and costs. Dr. Kaushal is engaged in research, patient care, management and operations activities at Weill Cornell Medical College and NewYork-Presbyterian Hospital, all geared toward using health IT to optimize the value of health care today.

Dr. Kaushal holds multiple leadership positions. In 2005, Dr. Kaushal founded and became the Executive Director of HITEC, a consortium of four universities in New York State. Its mission is to conduct rigorous evaluations of initiatives being undertaken as part of a novel and ambitious $250 million New York State program called "HEAL NY." HITEC has been recognized as the New York State-designated entity for HEAL NY evaluation.

In 2007, Dr. Kaushal became the first Chief of the Division of Quality and Medical Informatics at Weill Cornell, a dynamic new Division established by the Medical College to address the importance of health IT as a cornerstone of health care reform. In this role, she has assembled an extensive team of faculty members, including health service researchers, biostatisticians, and policy experts, supported by multiple project managers.
and research coordinators. The Division recently created a formal training program in quality and medical informatics.

In addition, Dr. Kaushal serves as the Director of Pediatric Quality and Safety at the Komansky Center, striving to translate research learning into operational improvements. She also continues to clinically attend on the inpatient pediatric service at the Komansky Center.

Dr. Kaushal has published more than 60 scholarly publications and is a frequent invited speaker. She has served on numerous national advisory committees focused on health information technology and/or patient safety. Dr. Kaushal has formally consulted with other researchers on methodological issues as well as with policy makers on state and federal issues. Finally, Dr. Kaushal has served on editorial boards for health care journals and on several study sections for the Agency for Healthcare Research and Quality.

Dr. Kaushal attended Harvard Medical School and completed her residency at Brigham and Women's Hospital and Children's Hospital in Boston, attaining double board certification in Internal Medicine and Pediatrics. She then completed the Harvard Clinical Effectiveness Fellowship while obtaining a Masters in Public Health from Harvard School of Public Health. She joined and remained on faculty at Harvard Medical School until 2006 when she joined the faculty of Weill Cornell Medical College.

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Erika Abramson, MD is an Assistant Professor of Pediatrics and Assistant Professor of Public Health at Weill Cornell Medical College. She is also an Assistant Attending Pediatrician at NewYork-Presbyterian Hospital/Weill Cornell Medical Center. Dr. Abramson is board certified in General Pediatrics and is a health services researcher with expertise in medication safety and health information technology (health IT). She is a member of the Health Information Technology Evaluation Collaborative (HITEC), a multi-institution academic collaborative that evaluates the effects of initiatives in interoperable health IT, including health information exchange, in New York State. Dr. Abramson is currently conducting several research studies on the effects of health IT on ambulatory medication safety. Dr. Abramson is also an attending pediatrician with patient care responsibilities on the general inpatient pediatric unit at the Komansky Center for Children's Health and in the resident group practice clinic in the Helmsley Medical Tower.

A native of New York City, Dr. Abramson completed her undergraduate work at Yale University in 1999. She received her medical degree (M.D.) at New York University
School of Medicine in 2003, achieving membership into the Alpha Omega Alpha Medical Honors Society. In 2006, Dr. Abramson completed her residency in pediatrics at New York-Presbyterian Hospital, where she also served as Chief Resident from 2006-2007, earning a Distinguished Housestaff Award.

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Jessica Ancker, MPH, PhD is an informatics researcher who has studied information visualization, decision-making, health literacy, risk communication, and the use of the internet and patient health records (PHRs) among underserved populations. As a member of HITEC (the Health Information Technology Evaluation Collaborative), she is involved in studies of interoperable health information technology in New York State.

A former Associated Press journalist, Dr. Ancker returned to school to earn her MPH from the department of biostatistics at Columbia University's Mailman School of Public Health. She subsequently worked as a statistician and writer for an NIH-funded clinical trials consortium and adjunct professor of biostatistics at Columbia, where she was proud to have earned such student comments as, "She really made an otherwise dull sorry subject very interesting!"

She earned her PhD from the department of biomedical informatics at Columbia University with the support of a National Library of Medicine fellowship. Her dissertation work combined her interests in statistics and medical communication by developing and evaluating ways of visualizing risk information for patient decision-making, including novel game-like graphics that allowed patients to "play" with the information before making a decision. She conducted qualitative research as part of the development team for www.GetHealthyHarlem.org, an online health-oriented community, and quantitative analysis of PHR use at the Institute for Family Health in New York City. Dr. Ancker has also been active in the scientific publishing community, serving on the board of the Council of Science Editors and chairing two conferences on scientific publication ethics. Her undergraduate degree in history and science is from Harvard University.

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Vaishali Patel, PhD MPH is an assistant professor in the Department of Pediatrics and Public Health at Weill Cornell Medical College in the Division of Quality and Medical Informatics. She is a member of the Health Information Technology Evaluation Collaborative (HITEC), a multi-institution academic collaborative that evaluates projects supported by New York State's interoperable health information technology (HIT) initiative.

Dr. Patel is a health services researcher whose interests relate to consumers' and physicians' attitudes and usage of interoperable health IT. She is currently conducting research examining consumers' perceptions of health information exchange and personal health records. She is also conducting studies that characterize physicians' adoption and usage of interoperable health IT, including web portals that provide physicians' access to community-wide clinical data. She is studying the usage of interoperable health IT by clinicians and examining its effects on healthcare utilization. She is also conducting policy analyses of state and national efforts to develop infrastructure and policies to support interoperable health IT. She has also conducted research related to physicians' usage and perceptions of e-prescribing systems in ambulatory care settings.

Prior to joining Weill Cornell Medical College, Dr. Patel completed a post-doctoral fellowship in the Departments of Epidemiology & Biostatistics and Psychiatry at McGill University. Her postdoctoral fellowship was funded by the Canadian Institute of Health Research. As a member of McGill University's Clinical and Health Informatics Research Group, she conducted research related to primary care physicians' response to alerts from an electronic prescribing system. Additionally, she helped design and evaluate the impact of newly designed electronic prescribing alerts that provide physicians with patient-specific risk estimates.

Dr. Patel received awards from the National Institute of Mental Health to fund her graduate studies, training and research at Johns Hopkins University School of Public Health, where she completed a masters in public health and PhD in health services research within the department of health policy and management. Prior to graduate school, she worked at a health plan for over four years, focusing on information technology and operations, as well as Medicaid managed care. She completed her undergraduate studies at Yale University.

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Dr. Kern received her undergraduate and medical degrees from Harvard University. She completed her internship and residency in internal medicine at Mount Sinai Hospital in New York and then completed the Robert Wood Johnson Clinical Scholars Program at Johns Hopkins, where she also earned a master’s degree in Public Health.
Dr. Kern is a general internist and health services researcher with expertise in evaluating health information technology (health IT) and quality of care. She is the Deputy Director of the Health Information Technology Evaluation Collaborative (HITEC), a multi-institution academic collaborative that evaluates the effects of interoperable health IT, including health information exchange, on health care quality and cost in New York State. Dr. Kern is also working to evaluate the effects of pay-for-performance and medical home implementation on health care quality, utilization and patient satisfaction, as well as develop a new set of metrics for capturing the effects of interoperable health IT on ambulatory quality.

Dr. Kern’s research is funded through grants and contracts from organizations including the Agency for Healthcare Research and Quality, New York State, the Commonwealth Fund, and the Taconic Independent Practice Association. She is currently a Principal Investigator on a three-year grant from The Commonwealth Fund, entitled “The Effects of Primary Care Practice Redesign on Quality, Cost and Patient Experience in the Hudson Valley,” to determine the effects of medical home implementation on quality, cost and the patient experience in the Hudson Valley of New York. She is also a co-Principal Investigator on three other grants and a co-Investigator on several others.

Dr. Kern has published her work in several major journals, including having first-author publications in Health Affairs, Annals of Internal Medicine and the Journal of General Internal Medicine, among others. Her honors and awards include receiving the Mack Lipkin, Sr. Associates Award for outstanding scientific presentation at the national meeting of the Society of General Internal Medicine (2002) and serving as the Nanette Laitman Clinical Scholar in Public Health, with a focus on Clinical Evaluation (Weill Cornell Medical College, 2006-2009).

Dr. Kern has co-directed the Foundations of Clinical Research course, a core component of the Masters Program in Clinical Investigation, and she continues to teach in that course. She is a member of the American College of Physicians and the Society of General Internal Medicine. Dr. Kern recently served as President of the Mid-Atlantic Region of the Society of General Internal Medicine and currently serves on a 7-member Board of Regional Leaders, advising the Society’s National Council.

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Dr. Mamtani is a public health, occupational and preventive medicine physician specialist. As a professor of public health and clerkship director, Dr. Mamtani teaches and directs public health and preventive medicine courses at Weill Cornell Medical College in Qatar. In his collaborative role, he participates in meetings, workshops and projects organized and sponsored by local agencies/health institutions on issues of public
importance. He is currently also Acting Associate Dean for Student Affairs, for which he holds the responsibilities of student counseling; medical student career development, including fourth-year scheduling and assistance with the residency process and the Match; oversight of the Office of the Registrar; and support of the Student Community Service Programs.

Prior to joining WCMC-Q in 2007, Dr. Mamtani was a professor of community and preventive medicine, and associate professor of clinical medicine at New York Medical College and an attending at Westchester Medical Center in Valhalla, New York. At New York Medical College, Dr. Mamtani developed and directed the Master of Public Health (MPH) in International Health, and Diploma in Tropical Medicine programs. Additionally, as a Principal Investigator of an NIH (National Cancer Institute) grant, he developed new curriculum on nutrition and cancer for medical students at the College (1991-95).

Dr. Mamtani is a keen teacher, educator and takes pride in his clinical and research accomplishments. His interests include developing innovative medical and public health education programs, evidence based approach to patient and chronic disease management, occupational medicine, global health, and emerging health care trends such as integrative medicine. He won the best teaching awards in 2008 and this year for his teaching in Medicine Patients and Society (MPS) 1. He also won the best teaching award in teaching Advanced Biomedical Sciences this year. Dr. Mamtani chaired the Medical Student Performance Evaluation Task Force (Qatar), findings of which have been submitted to the Dean and Executive Committee for their consideration.

Over the years Dr. Mamtani’s research has included a diversity of public health issues, including occupational health, tetanus and malaria, nutrition, cancer, and complementary and alternative medicine. He has had 18 articles published in peer-reviewed journals, including international publications such as the International Journal of Epidemiology, the Indian Journal of Medical Research, Lancet, and the British Medical Journal, and he has written 3 book chapters and 7 abstracts. He has also delivered many lectures/seminars on various topics in the US and abroad. As a monthly columnist (2001-2007) for a local newspaper in New York, he wrote on contemporary health issues such as vegetarian diets, health care costs, life style medicine, and mind body medicine.

Dr. Mamtani is a Diplomate of the American Board of Preventive Medicine in the specialties of general preventive medicine and public health, and occupational medicine. As a consultant member of the New York State Department of Education site-visit teams, he has had the opportunity to evaluate foreign medical schools. Service that deserves special mention is his appointment to the New York State Board of Professional Medical Conduct, and membership to its advisory committee.

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Dr Levine has been a researcher, consultant and teacher of nutrition at some of the most prestigious medical institutions in the country. After obtaining her doctoral degree at New York University, she served as Director of the first NIH-funded Nutrition Information Center at Memorial Sloan-Kettering Cancer Center, Weill Cornell Medical College, The Rockefeller University, Hospital for Special Surgery and Strang Cancer Prevention Center. Under the auspices of the Nutrition Information Center she also established and is the Director of the Calcium, Magnesium, Zinc and DHA Information Centers. Dr Levine later helped to establish the Human Nutrition Program at The Rockefeller University. She has practiced clinical nutrition for many years, translating current research as it applies to the prevention of obesity, cardiovascular disease, diabetes, hypertension, cancer and osteoporosis. Her earlier work surveying attitudes and practices of primary care physicians on their dietary recommendations to patients has helped to develop strategies for enhancing the use of clinical nutrition in medical practice. Dr Levine has held academic positions including Associate Clinical Professor of Nutrition in Pediatrics at Weill Cornell and Associate Scientist at the Hospital for Special Surgery. Her research centers on the nutritional interactions between genetics and the prevention of chronic diseases throughout the lifecycle, as well as the optimal diet for cognitive function and visual acuity. Dr. Levine holds numerous professional memberships and is actively involved with local and national committees related to diet, nutrition and health issues. She has presented to Congress on the importance of the regulation and responsible use of dietary supplements, emphasizing the need for additional calcium, folic acid and omega-3 fats in the diet, and has served as a consultant to the National Institutes of Health on many occasions.

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Before joining the Department of Public Health, Dr. Bornstein held faculty positions at the Weill Cornell Divisions of Pediatric Cardiology, Cardiothoracic Surgery, and Cardiovascular Pathophysiology; as well as in the Department of Medicine at Columbia University College of Physicians and Surgeons. He has held clinical positions at New York-Presbyterian Hospital, St. Luke’s Roosevelt Hospital Center, St. Joseph Medical Center, The Stamford Hospital, and Norwalk Hospital. He was also Scientific Director at Corbett Accel Healthcare Communications and a Medical Consultant at Rogers Medical Information Systems. He is Co-founder and Director of the International Medical Forum Center for Multimedial Education. Dr. Bornstein received his MD degree from Tufts University School of Medicine. He completed a Residency in Internal Medicine and a Fellowship in Cardiology from Tufts, and a Fellowship in Cardiac PET from Columbia-Presbyterian Medical Center. He has further training in Nuclear Cardiology from St. Luke’s Roosevelt Hospital. His research and publications have focused on issues in cardiology assessment, treatment, and epidemiology. He has extensive teaching experience and has won nine teaching awards. In the Department of Public Health, he collaborates with Drs. Madelon Finkel and Oliver Fein.