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Albert Einstein College of Medicine
OF YESHIVA UNIVERSITY

Note: The research projects included in this report are those that were active during the calendar period 2013-2014 and for which a DEPH faculty member was the Principal Investigator or the Co-Principal Investigator of the grant.

CHAIRMAN'S INTRODUCTION

I am pleased to introduce this research report, which summarizes work undertaken by members of the Department of Epidemiology and Population Health (DEPH) at Einstein in 2013 and 2014. (More information about the department is available on our website at <https://epi.aecom.yu.edu>.) Despite the challenges of operating in an environment in which resources are severely constrained, the department's faculty members have maintained their record of securing substantial grant funding that enables them to engage in cutting-edge research across a wide range of topics. The energy and enthusiasm of both the faculty and the staff contribute to the ongoing success of the department.

Thomas E. Rohan, MBBS, PhD
Professor and Chairman
January 2015

DEPARTMENTAL MISSION STATEMENT

The mission of the Department of Epidemiology and Population Health is to generate and disseminate knowledge, and to inform policy and practice, in order to improve the health of the individual and society.

OFFICE OF THE CHAIRMAN

MISSION

The Office of the Chairman is responsible for overall administration of the departmental research and educational programs. The Office also hosts and collaborates on a number of ongoing studies of the etiology and prevention of cancer. Current projects are focused on cohort investigations of the roles of genetic/molecular and environmental factors in the etiology and molecular pathogenesis of various cancers (e.g. breast, colon, endometrium, ovary).

FUNDED RESEARCH

Thomas E. Rohan, MBBS, PhD

MicroRNA Expression Profiling of Benign Breast Tissue and Breast Cancer Risk
NIH/National Cancer Institute; 7/15/10-5/31/15

The goal of this project is to study the association between microRNA expression in benign breast disease tissue and risk of subsequent breast cancer.

A Population-Based Study of TMEM and Breast Cancer Prognosis
Metastat, Inc.; 4/14/11-4/13/14

The goal of this study was to examine the association between tumor microenvironment of metastasis (TMEM), a marker of the intravasation microenvironment, and risk of metastasis in a large, population-based cohort of breast cancer patients.

Obesity-Related Pathways and Risk of Benign Proliferative Breast Disease, and Further Development of the Canadian Study of Diet, Lifestyle, and Health
Breast Cancer Research Foundation; 10/1/12-9/30/13

The goals of this project were to investigate the independent associations of baseline fasting serum levels of insulin, estradiol, C-reactive protein, and adiponectin with risk of benign proliferative breast disease among women enrolled in the WHI Clinical Trial and to continue further development of the Canadian Study of Diet, Lifestyle, and Health, a large prospective study of diet, lifestyle, genetic factors and cancer risk.

Prediction of Breast Cancer Risk Using Next Generation Sequencing of DNA and

RNA, and Analysis of Risk Factors for Breast Cancer in the Canadian Study of Diet, Lifestyle, and Health

Breast Cancer Research Foundation; 10/1/13-9/30/14

The goals of this project were to evaluate the feasibility of using next generation sequencing of DNA and RNA extracted from the FFPE BBD tissue to identify changes related to risk of progression to breast cancer and to analyze data from the Canadian Study of Diet, Lifestyle, and Health.

Molecular Profiling of Ductal Carcinoma In Situ and Risk of Subsequent Invasive Breast Cancer, and Analysis of Risk Factors for Breast Cancer in Two Cohort Studies

Breast Cancer Research Foundation; 10/1/14-9/30/15

The goals of this project are to assess the feasibility of conducting a multi-center study of molecular changes related to risk of progression from ductal carcinoma in situ of the breast to subsequent invasive breast cancer, and to conduct analyses of risk factors related to breast cancer risk in two cohort studies.

Olivier D. Loudig, PhD

The laboratory of Dr. Loudig focuses on identification of early biological markers of breast cancer development by analyzing nucleic acids recovered from archived non-invasive, pre-invasive or benign breast specimens, for which the clinical history is known. His laboratory is currently working on the development of a robust RNA-sequencing protocol to examine mRNA expression profiles of archived breast specimens. In addition, his laboratory recently developed procedures to analyze the miRNA content of circulating exosomes (in the serum of normal or breast cancer patients), in order to identify circulating miRNA biomarkers.

DIVISION OF BIOMEDICAL & BIOETHICS RESEARCH TRAINING MISSION

The Mission of the Division of Biomedical and Bioethics Research Training is to foster the training of clinical researchers for the Einstein-Montefiore Medical Center Community and to foster training in and the practice of bioethics.

In association with Einstein's Institute for Clinical and Translational Research (supported by the CTS Award), the educational programs include an MS-conferring Clinical Research Training Program (CRTP) and a PhD in Clinical Investigation, which is a scholarly track in Einstein's PhD and MD-PhD (MSTP) Graduate Division programs. There is also a Master's in Bioethics at Einstein/Montefiore. Another program fostered by the Division is a Training Program in Research Ethics in the Americas (located in Buenos Aires, Argentina), funded by a grant from the NIH Fogarty International Center.

PROGRAMS and FUNDED RESEARCH

Ellie Schoenbaum, MD, Division Head

Dr. Schoenbaum's focus is on promoting clinical research and expanding effective mentorship support for junior researchers. Dr. Schoenbaum is Director of the Clinical Research Training Program, a Master's-degree granting program that aims to train physician scientists. She founded and directs a PhD in Clinical Investigation which is

part of Einstein's graduate division and accepts PhD and MD-PhD students. Recently she was appointed Director of Medical Student Research, for which she oversees the Scholarly Papers required of all Einstein students and is launching a new Scholarly Concentration Program, known as SOAR (Student Opportunities for Academic Research). Many of the Department's faculty teach and mentor the medical students and Scholars in Dr. Schoenbaum's programs.

Lauren Flicker, JD, MBE

Lauren Flicker is Assistant Director of the Einstein-Cardozo Master's of Science in Bioethics, and Director of the Certificate Program in Bioethics and Medical Humanities. Her research interests include reproductive ethics, end of life care, and ethics education.

Elizabeth Kitsis, MD, MBE

Social Media and Medical Professionalism: Perfect Match or Perfect Storm?

Institute of Medicine as a Profession and the Josiah Macy, Jr. Foundation; 7/1/12-6/30/14
To educate the Einstein faculty on the use and influence of social media on medical professionalism, and then incorporate this topic as a longitudinal educational theme throughout the four years of medical school.

Ruth Macklin, PhD

Program in Biomedical Ethics

Trachtenberg and Frackman Family Endowment; 11/1/90-open
Dr. Ruth Macklin is the Trachtenberg Frackman Faculty Scholar, with responsibility for teaching and research in bioethics, organizing an annual lecture at Einstein by a distinguished scholar in the field, and for conducting an annual essay contest open to medical students throughout the United States and Canada. An award is given for the best essay on the physician-patient relationship.

Training Program in Research Ethics in the Americas

NIH/Fogarty International Center; 9/30/00-5/31/16

This is a training program in international research ethics, designed to educate individuals from developing countries who conduct research in the biomedical and social and behavioral sciences. The aim is to contribute to capacity building in research ethics in Latin America and foster ongoing collaborations in the Americas. The program is designed as a full collaboration between the Program Director in New York and the Co-director in Buenos Aires, Argentina. Trainees are from Latin American countries. Trainees spend three months in Buenos Aires and continue for the remainder of their training year taking distance-learning courses and implementing a required practicum in their home institutions. The program includes an annual intensive course open to anyone free of charge, and a distance-learning course required for the trainees and open to others throughout the region.

Aileen P. McGinn, PhD

Dr. McGinn is the Associate Director of the Clinical Research Training Program (CRTP) and directs the statistical computing lab in the CRTP. Her research interests include educational research, investigating hormonal, inflammatory, and metabolic influences on risk of cardiovascular disease, and applying Geographic Information Systems (GIS) to health issues.

Tia Powell, MD

Tia Powell is Director of the Einstein-Cardozo Master's of Science degree in Bioethics, and Director of the Montefiore Einstein Center for Bioethics. She was awarded a 2013-2014 Health and Aging Policy Fellowship, funded by Atlantic Philanthropies. For the fellowship, she spent a year commuting to Washington, DC to work on two projects related to dementia, health policy and ethics. First, she joined an Institute of Medicine

workgroup on the public health impact of cognitive aging; a report is due out in the spring of 2015. Second, she also worked with a policy arm of HHS to identify and prioritize ethics issues related to dementia, developing recommendations for Congress to be included in the National Alzheimer's Project Act.

DIVISION OF BIOSTATISTICS

MISSION

Biostatistics is the development and application of quantitative methods to address questions arising in medicine, biology, and public health. Our goal is to advance knowledge in these fields by using mathematics, statistics, and computational approaches in all stages of research to ensure that scientific evidence is gathered, analyzed, and interpreted in a valid and efficient manner. Our methodologic research areas include clinical trials, epidemiologic methods, survival analysis, longitudinal data analysis, classification and regression trees, frailty models, measurement error, and statistical genetics. Collaborative research activities include studies in cancer, AIDS, aging, cardiovascular disease, neurology, rheumatology, health behaviors, and environmental health.

PROGRAMS and FUNDED RESEARCH

Mimi Y. Kim, ScD, Division Head

In addition to being Head of the Division of Biostatistics in DEPH, Dr. Kim is Director of the Biostatistics, Epidemiology, and Design Resource of the Institute for Clinical and Translational Research. Dr. Kim's research interests include clinical trials methodology; effects of misclassification and measurement error; interval-censored survival data, and multivariate survival data.

An Integrated Analysis of Data from Multi-Center Trials in Lupus

Lupus Foundation of America; 2/1/10-10/30/15

In the past two decades, more than a dozen investigational products for lupus have entered phase II/III clinical trials and have failed. These trials have been burdened by the inherent heterogeneity of the disease and variation in the severity of symptoms. The goal of this project is to use statistical modeling approaches to identify predictors of disease outcomes in lupus patients randomized to the placebo arms of multiple clinical trials. The knowledge gained from this study will be used to design more efficient trials of future investigational agents.

LFA-RAPID Evaluation of Activity in Lupus System (LFA-REAL)

Lupus Foundation of America; 9/1/14-8/31/15

Current tools and instruments for assessing the disease status of patients with systemic lupus erythematosus have major limitations including the need for specialized training to use them correctly and difficulty in interpreting results. The goal of the LFA-REAL project is to develop and validate a new lupus disease activity measure that will be more efficient, accurate, and simple to use in both the clinical research and clinical practice settings.

Jaeun Choi, PhD

Dr. Choi collaborates on clinical and translational research with investigators in the Department of Pediatrics at Montefiore Medical Center. Her research interests include methods for observational studies, survival analysis, correlated responses and longitudinal data analysis.

Hillel W. Cohen, DrPH, MPH, FAHA

Dr. Cohen heads the biostatistics core for the Clinical Research Center which is part of the Institute for Clinical and Translational Research (ICTR). He provides consultations for Einstein investigators through the Biostatistical Consultative and Services Support Resource of the ICTR, teaches Biostatistics I and II in the Clinical Research Training Program (CRTP), and leads seminars in biostatistics for faculty, residents, fellows and post-docs. In addition he provides biostatistical support as a collaborating co-investigator on several clinical research grants.

Charles B. Hall, PhD**For How Long is WTC Exposure Associated with Incident Airway Obstruction**

National Institute for Occupational Safety and Health/Centers for Disease Control;
9/1/12-8/31/14

The study used innovative statistical methods – parametric survival models with change points – to study the incidence of new onset obstructive airway disease (OAD) diagnoses and symptoms over the first ten years following World Trade Center exposure, with the goal of determining the length of time that exposure response gradients are observed among exposed FDNY firefighters. This study will allow estimation of the length of time that a relatively short-term, high intensity exposure may be associated with incident respiratory illness.

For How Long is WTC Exposure Associated with Chronic Rhinosinusitis

National Institute for Occupational Safety and Health/Centers for Disease Control;
7/1/14-6/30/16

This study continues the use of parametric survival models with change points to address a similar question in relation to the incidence of chronic rhinosinusitis, another common respiratory condition associated with exposure to the World Trade Center rescue/recovery effort, with the goal of determining the length of time that exposure response gradients are observed among exposed FDNY firefighters.

Moonseong Heo, PhD

Dr. Heo collaborates with faculty in the Division of General Internal Medicine at the Montefiore Medical Center and in the Center for AIDS Research. His research interests include mixed-effects modeling, design of randomized clinical trials, sample size determinations, meta-analysis, and the epidemiology of obesity.

Ryung S. Kim, PhD

Dr. Kim is a biostatistician for the Albert Einstein Cancer Center. He conducts research on epidemiological study methods, big data analysis (e.g., on statistical genomics), and monitoring and evaluation of community health programs.

Juan Lin, PhD

Dr. Lin is a biostatistician in the Albert Einstein Cancer Center. Her research interests are in high dimensional data analysis and in cancer epidemiology.

Yungtai Lo, PhD

Dr. Lo collaborates with investigators in the Departments of Medicine, Pathology, Pediatrics, and Orthopedics on the design and analysis of clinical trials and epidemiologic studies. He also serves as a statistical mentor to Fellows in the CRTP. His methodological research interests focuses on developing methods for determining the number of components in mixture models, applications of mixture models in biomedical research, and two-part models for longitudinal semi-continuous data.

Wenzhu Mowrey, PhD

Dr. Mowrey collaborates with the Einstein Aging Study, the Cognitive Neurophysiology Laboratory, and the Departments of Neurology, Neuroscience and Medicine to study aging, Alzheimer's disease, epilepsy, Rett Syndrome and systemic lupus. Her statistical methodology interests include analysis of imaging data from all modalities (PET, MRI, fMRI, DTI, EEG, MEG and optical imaging), sparse clustering and dimension reduction of high dimensional data, and survival and longitudinal data analysis.

Abdissa Negassa, PhD

Dr. Negassa is a biostatistician for the Albert Einstein Cancer Center. He is also a collaborating biostatistician with the Division of Cardiology and the Clinical Cardiovascular Research Unit, Department of Medicine. His research interests include tree-based methods, survival analysis, analysis of correlated data, omitted covariates, developing prognostic/predictive models, biomarker discovery, and epidemiological methods. He also collaborates on observational studies based on large databases and clinical trials.

Shankar Viswanathan, DrPH

Dr. Viswanathan collaborates with investigators in the Department of Radiation Oncology and in the Albert Einstein Cancer Center. Dr. Viswanathan's research interests include multivariate survival analysis, methods for analyzing missing data, and agreement statistics. His applied areas of interest are injury epidemiology and infectious disease epidemiology.

Cuiling Wang, PhD

Dr. Wang is Director of the Statistical Core for the Einstein Aging Study. She collaborates extensively on aging, cognition, mobility and Parkinson Disease studies with the Department of Neurology and is a biostatistician in the Institute for Clinical and Translational Research. Her research interests include methods for handling missing data, analysis of longitudinal data, mediation analysis, and ROC and survival analysis.

Detecting Early Disease Using Variability in Markers Under Informative Censoring
NIH/National Institute of Aging; 9/30/13-6/30/15.

The goal of this project is to develop time-dependent ROC approaches that utilize the heterogeneous variance in markers and take non-random censoring into account for detecting early disease.

Tao Wang, MD, PhD

Empirical-Bayesian Testing for Family Genome-Wide Association Data

NIH/National Human Genome Research Institute; 4/1/11-3/31/13

The goal of this study was to develop statistical approaches for complicated GWAS with both family and individual data.

Statistical Method for Identifying Genetic Modifiers of Conotruncal Heart Defects

NIH/National Heart, Lung, and Blood Institute; 8/1/13-04/30/15

The main goal is to develop novel statistical methodology for testing genetic association using a novel three-stage polynomial logistic regression model, which takes genetic heterogeneity among disease subtypes into account. The investigators plan to apply the proposed methodology to investigate genetic associations of structural cardiovascular malformations in 22q11DS children.

Xianhong Xie, PhD

Dr. Xie is a biostatistician in the Women's Interagency HIV Study (WIHS). His research interests include methods for analyzing longitudinal data with missing values and measurement errors, survival analysis, image data analysis, and nonparametric smoothing splines.

Xiaonan Xue, PhD

Dr. Xue is the Director of the Biostatistics Shared Resource of the Albert Einstein Cancer Center and is a member of the Institute for Clinical and Translational Research. She collaborates on epidemiologic and clinical studies of cancer, cardiovascular disease, and aging. Dr. Xue's methodologic research interests include survival analysis, longitudinal studies, and cancer screening methods.

Kenny Ye, PhD

Dr. Ye collaborates on the design and analysis of studies in genetics and genomics. He conducts methodological research in statistical modeling and data mining with high dimensional data. He is developing new statistical and computational approaches for the analysis of next generation sequencing data, especially methods that detect structure variations and methods that detect de novo mutations. He is also developing novel statistical approaches that take advantage of the latest sequencing technology in associating the genetic variants with disease traits.

An Integrative Analysis of Structural Variation for the 1000 Genomes Project

NIH/National Human Genome Research Institute; 7/1/13-7/1/17

The goal of this study is to identify structural variations for the 1000 Genome Project.

New Methods to Uncover Global Transcriptional Programs for Disease Risk Variants

NIH/National Institute of General Medical Sciences; 4/1/13-3/31/17

The objective of this project is to investigate the link between the disease locus and alterations in global transcriptional programs by establishing the three-dimensional network of short- and long-distance genomic region interactions, the local and global alterations in gene transcription, and the key role of enhancer-RNA harboring risk alleles.

Yiting Yu, PhD

Meta-Analytical Online Repository of Gene Expression Profiles of MDS Stem Cells

Department of Defense; 6/1/12-5/30/15

The major goal of this project is development of a database of gene expression profiles from MDS marrow CD34+ stem cells and healthy controls. The project will also involve construction of a website with an easily searchable interface.

DIVISION OF COMMUNITY COLLABORATION & IMPLEMENTATION SCIENCE

MISSION

The primary emphasis of the division is on the dissemination and implementation of effective approaches to reduce barriers and improve standard of care. The division has conducted several projects to promote evidence-based practice through collaborative research. This Division is among the first focused on the science and practice of community implementation in academic medicine.

PROGRAMS and FUNDED RESEARCH

Bruce D. Rapkin, PhD, Division Head

Education and Navigation to Support Participation in Cancer Research; The PRISM Program

Susan G. Komen for the Cure Greater New York City; 4/1/11-3/31/13

A major objective of PRISM was to promote awareness about and access to breast cancer clinical trials.

Development of Practical Outcome Measures to Account for Individual Differences and Temporal Changes in Quality of Life Appraisal

Patient-Centered Outcomes Research Institute (PCORI); 3/1/14-2/28/17

This project builds upon earlier work on the in depth assessment of patients' personal criteria for evaluating their own quality of life. This study will develop more streamlined measures of appraisal for use in wide-scale surveys and clinical trials.

Minority-Based Community Oncology Research Program

NIH/National Cancer Institute (NCORP); 8/1/14-7/31/19

The overall goals of the Montefiore Medical Center (MMC) minority-based NCORP community site are to advance the diagnosis, prevention, and management of early and advanced cancer by participating in the NCORP as a minority/underserved community site.

Expanded HIV Testing Program

NYS AIDS Institute/CDC; 1/1/14-12/31/16

The goal of this grant is to conduct a comprehensive dynamic trial to improve HIV testing in emergency departments throughout New York State.

Evaluating the Impact on Patient Engagement and Outcomes of the American College of Pathologists' See Test & Treat Cancer Screening Program

Robert Wood Johnson Foundation; 5/1/14-4/30/15

College of American Pathologists

This project will support an evaluability assessment (EA) of the College of American Pathologists (CAP) Foundation's See Test & Treat Program.

Adebola A. Adedimeji, PhD, MPH, DLSHTM

Dr. Adedimeji's research interests are focused on (i) health systems strengthening, (ii) improving population health and (iii) understanding the social epidemiology of communicable and non-communicable diseases of poverty and how these interact to determine health outcomes among disadvantaged population groups, including adolescents, women, ethnic minorities living in low and middle income countries of the world and among communities in transition (migrants crossing international borders). Current research includes Project HOPE, which aims to improve access to resources for HIV prevention, care and treatment among African immigrants in Western Europe, increasing health literacy for cancer prevention in Nigeria and the International Epidemiological Databases to Evaluate AIDS in Africa-Central Africa Region. Dr. Adedimeji also has programmatic interests in operations research, intervention design/implementation, and monitoring and evaluation.

David W. Lounsbury, PhD

Education and Navigation to Support Participation in Cancer Research; The PRISM Program

Susan G. Komen for the Cure Greater New York City; 4/1/11-3/31/13

A major objective of PRISM was to promote awareness about and access to breast cancer clinical trials.

Improving Post-Treatment Resources for Latina Breast Cancer Survivors

American Cancer Society; 7/1/12-6/30/16

With narratives from Latina breast survivors about life after cancer treatment and with educational information provided by a national panel of breast cancer care experts, this project will develop and assess the utility of an interactive multi-media program to support sustained annual breast cancer screening. System dynamics modeling will be

used to inform policies for community-wide dissemination of the DVD.

Feasibility of Using Social Media for HIV Prevention in Young Men of Color who have Sex with Men (YMCSM)

Einstein-Montefiore Center for AIDS Research; 6/1/12-5/31/13

This study was intended to inform the development and implementation of HIV preventive services and programs by investigating the utility and feasibility of using social media (SM) to promote HIV prevention messages and to encourage routine HIV testing. The study primarily targeted YMCSM who reside in the Bronx, but effectively reached YMCSM in other parts of New York City and its neighboring communities.

The Feasibility of Population Level Epidemiological Research on Prostate Cancer in Ibadan, Nigeria

Global Health Center, Albert Einstein College of Medicine; 2/1/11-1/31/13

The goal of this study was to test the feasibility of conducting a large study of prostate cancer, as well as to assess knowledge, attitudes and beliefs about participating in clinical research and genetic studies in Nigeria.

Formative Research in Cancer Prevention through Health Literacy for Ibadan, Nigeria

Global Health Center, Albert Einstein College of Medicine; 5/2/13-4/30/14

The goal of this study was to gather opinions and perceptions of community members from Ibadan, Nigeria about what people do to keep healthy. Specifically, this study sought opinions and perceptions at the local level about how to reduce the risk of getting cancers, such as breast cancer, cervical cancer, prostate cancer and colorectal cancer. Information about these topics will be used to help plan a larger, future project that will create, disseminate and test educational materials for an Ibadan-based, community-level health literacy intervention.

DIVISION OF EPIDEMIOLOGY

MISSION

Epidemiology plays a major role in elucidating disease etiology, determining the distribution of disease and its risk factors in the population, and in bringing about changes in approaches to disease treatment and prevention. Our mission is the design and implementation of translational research in three areas/phases: translation of basic science discoveries to clinical investigation; translation of clinical discoveries to population-based research; translation of population-based research findings to health services delivery and health policy. Members of the Division study molecular and genetic variables, as well as environmental and lifestyle variables, in their efforts to determine the factors that increase or decrease disease risk. The major areas of research include cancer, cardiovascular disease, diabetes, nutrition and obesity, women's health, adolescent health, infectious diseases including HIV and HPV, epidemiologic research methods, as well as research aimed at elucidating and ultimately helping to reduce racial/ethnic and sex disparities in disease burden and health care access.

PROGRAMS and FUNDED RESEARCH

Howard D. Strickler, MD, MPH, Division Head

HPV & Cervix Neoplasia in a Large, Long Term HIV+ Cohort

NIH/National Cancer Institute; 6/22/10-4/30/15

This large prospective study based in the Women's Interagency HIV Study (WIHS) is examining: (i) the impact of menopause and aging on HPV/SIL in HIV+ and HIV- women; (ii) the levels of CD4+ and CD8+ T-cells by differentiation phenotype to determine the specific T-cell deficits that drive the HIV-HPV/SIL relationship; (iii) local immune cell levels in CIN-1 biopsies that predict progression to CIN-2+ versus regression, and whether following treatment the lesions rapidly recur; (iv) HLA/KIR and other immunogenetic risk factors for cervical pre-cancer.

Molecular Methods to Improve Cervical Cancer Screening in HIV+ Women

NIH/National Cancer Institute; 5/1/13-4/30/2017

This study will determine the sensitivity / specificity / positive predictive value / negative predictive value for the detection of cervical cancer and pre-cancer in HIV+ women related to promising, commercially available molecular assays that have previously been found to perform well in HIV- women.

Role of the Sex Hormone and Insulin/IGF Axes in Endometrial Cancer Recurrence

NIH/National Cancer Institute; 7/1/09-6/30/15

This study investigates the prognostic value of both serologic and tissue levels of sex hormones and insulin/IGF axis components in relation to endometrial cancer recurrence. The study is being conducted in a large (N=4,500), prospective cohort study of endometrial cancer patients (GOG-0210).

The Insulin-Like Growth Factor (IGF) - Axis and Type 2 Diabetes

NIH/National Institute of Diabetes and Digestive and Kidney Diseases; 7/1/08-5/31/13

This was the first large prospective study to evaluate the associations between fasting plasma levels of total IGF-I, free IGF-I, IGFBP-1, IGFBP-2 and IGFBP-3 at baseline and risk of incident type 2 diabetes. The study built upon an existing nested case-control investigation of the risk of type 2 diabetes (900 incident cases and 900 individually matched controls), within the Nurse's Health Study (NHS), a large cohort of women aged 30-55 years at recruitment.

Ilir Agalliu, MD, ScD

The Feasibility of Population Level Epidemiological Research on Prostate Cancer in Ibadan, Nigeria

Global Health Center, Albert Einstein College of Medicine; 2/1/11-1/31/13

The goal of this study was to test the feasibility of conducting a large study of prostate cancer, as well as to assess knowledge, attitudes and beliefs about participating in clinical research and genetic studies in Nigeria.

Insulin/IGF-axis and Aggressive Prostate Cancer

American Cancer Society; 7/1/11-6/30/15

This study investigates the role of serum levels of insulin, total and free IGF-1, IGF-2, and IGFBP-3, tissue expression levels of insulin receptor (IR), IGF-1 receptor (IGF-1R), and P-IR/IGF-1R, as well as tissue expression levels of IGF-1, IGF-2, and IGFBP-3 proteins in aggressive prostate cancer, and examines associations between these serum and tissue markers with short-term prostate cancer recurrence/progression.

Prospective Oral HPV and Subsequent Risk of Head and Neck Cancers

NIH/National Cancer Institute; 4/1/11-3/31/14

The goal of this study was to test the hypothesis that detection of HPV in exfoliated cells collected in an oral rinse is a biomarker for head and neck cancers (HNSCC). HPV16, oncogenic HPV types and 'any HPV' in the oral rinse were investigated in this study using mouthwash sample collected from participants in the American Cancer

Society CPS-II Cohort and the Prostate Lung Colorectal and Ovarian Cancer Trial Cohort.

***LRRK2* Mutations and Cancers**

Michael J. Fox Foundation; 5/1/12-4/30/15

The goal of this study is to better understand the association between *LRRK2* mutations and non-skin cancers through meta-analysis of previously collected data at different sites. The goal is also to implement standardized measures for cancer collection across centers and better understand the biology of the presumed *LRRK2*-related effect through the determination of cancers in family history of first and second degree relatives of *LRRK2* carriers.

Michael H. Alderman, MD

ACCORDION/Cardiovascular Disease & Diabetes

NIH/National Heart, Lung, and Blood Institute (Columbia University); 5/1/11-10/31/14

A prospective, observational follow-up study of at least 8,000 participants who were treated and followed in the Action to Control Cardiovascular Risk in Diabetes (ACCORD) Trial. Treatment in ACCORD ended in 2009 and ACCORDION was designed to further elucidate and clarify the long-term effects of the ACCORD treatment strategies and provide additional data on the long-term relationships among various cardiovascular and diabetic risk factors.

CANVAS (CANagliflozin Cardiovascular Assessment Study)

Janssen Research & Development, LLC; 11/1/09-10/31/13

A randomized, multicenter, double-blind, parallel, placebo-controlled study of three effects of JNJ-28432754 on cardiovascular outcomes in adult subjects with Type 2 diabetes mellitus.

Peer Review Journals

Editor-in-Chief of the American Journal of Hypertension

Jeannette M. Beasley, PhD, MPH, RD

Evidence for Establishing Optimum Protein Intake in Older Adults

NIH/National Institute of Aging; 9/30/10-1/31/15

This study nested within the Women's Health Initiative aims to refine optimal protein intake among older women by examining associations between biomarker-calibrated protein intake, renal function, and physical function.

The Role of Sugar Intake in the Development and Prevention of Major Non-Communicable Diseases

Sackler Institute for Nutrition Sciences; 4/1/13-6/30/14

The overarching objectives of this project were to assess associations between consumption of sugars and obesity, diabetes, and cardiovascular disease within a nationally representative sample of predominantly Mexican-American adults participating in NHANES. The project also measured correlations between intake of sugars using a validated biomarker with self-reported intake within a prospective cohort comprised of 16,000 Mexican, Cuban, Dominican, and Puerto Rican Americans in the Hispanic Community Health Study: Study of Latinos.

Quantitative Methods in Nutrition Workshop at St. John's Research Institute, Bangalore, India

Global Health Center, Albert Einstein College of Medicine; 10/1/14-12/31/14

This microgrant supported travel expenses for developing research collaborations with St. John's Research Institute and conducting the second annual workshop entitled "Quantitative Methods in Nutrition".

Philip Castle, PhD

Dr. Castle studies the molecular and clinical epidemiology of human papillomavirus (HPV) and anogenital cancer. His work is focused particularly on optimizing cervical cancer screening in high-resource settings and developing cervical cancer screening strategies for low- and middle-income countries (LMICs). Dr. Castle is a member of the CDC's National Breast and Cervical Cancer Early Detection Program (NBCCEDP) Advisory Panel and a member at large of the Board of the American Society for Colposcopy and Cervical Pathology (ASCCP).

Hillel W. Cohen, MPH, DrPH, FAHA

Dr. Cohen studies hypertension and other risk factors for cardiovascular disease. Recent work has examined associations of plasma renin activity and sodium intake with cardiovascular outcomes. He is also a Fellow of the American Heart Association in the Council for High Blood Pressure Research.

Peer Review Journals

Co-Executive Editor of the American Journal of Hypertension

David B. Hanna, PhD, MHS

Dr. Hanna's current research examines HIV treatment and care outcomes, cardiovascular disease in HIV infection, and geographic health disparities, based on data from large cohort studies and population-based databases. His methodological interests include the use of causal inference techniques to answer questions of clinical and policy relevance, and public health surveillance data to complement research from cohort studies.

Gloria Y. F. Ho, PhD, MPH

Serum Levels of EGFR-Signaling-Network Activators/Inhibitor and Risk of Lung Cancer

NIH/National Cancer Institute; 7/1/10-6/30/15

This case-control study nested within the Women's Health Initiative examines whether plasma levels of 6 activators/inhibitors of the EGFR-signaling-network, namely IGF-I, HGF, NGF, insulin, IL-6, and IGFBP-3, are associated with risk of lung cancer, and whether the associations vary depending on smoking status and histological subtype.

Dean Hosgood, III, PhD, MPH

Coordination of Information Technology Systems

NIH/National Cancer Institute; 9/1/12-2/28/13

The purpose of this contract was to coordinate the information technology systems being used in the AsiaLymph study.

The Feasibility of Studying Disease Specific Deaths in the Asia Cohort Consortium (ACC)

Global Health Center, Albert Einstein College of Medicine; 11/1/13-11/30/13

The purpose of this study was to determine the number of subjects with environmental exposure and mortality data available for analysis in a consortium of more than 1 million subjects from China, South Korea, Bangladesh, Iran, Japan, and India.

Environmental, Occupational, Biological, and Pathological Data Integration

NIH/National Cancer Institute; 9/27/13-8/26/14

The purpose of this contract was to integrate various data components in the AsiaLymph study.

Feasibility of an Epidemiological Study of Wood Burning and Lung Cancer Risk Among Never Smoking Females in Thailand

Global Health Center, Albert Einstein College of Medicine; 12/1/13-11/30/14

This pilot was designed to help inform the best design and methods for carrying out a

full-scale epidemiological study of never smoking lung cancer in Thailand, which will elucidate the relationship between lung cancer and in-home wood burning, as well as genetic and other environmental risk factors.

Data Integration for a Hospital-Based Case-Control Study for Asia Lymph and Leukemia Study

NIH/National Cancer Institute; 9/27/14-8/26/15

The purpose of this contract is to coordinate the retrieval, cleaning, and quality control analysis of electronically collected data in hospitals throughout Hong Kong, Taiwan, and China.

The Feasibility of the Mitigation of Biomass Smoke Exposures in Kenyan and Ethiopian Populations

Global Health Center, Albert Einstein College of Medicine; 11/1/14-11/30/15

The purpose of this study is to evaluate the potential reduction of environmental exposures and health effects associated with changing a home's heating and cooking source to a stove that burns clean fuels (i.e., ethanol).

Robert C. Kaplan, PhD

Hispanic Community Health Study, Bronx Field Center

NIH/National Heart, Lung, and Blood Institute; 9/30/06-3/31/20

The overall goal of this project is to recruit 4,000 Hispanic/Latino adults 18-74 years of age in Bronx, NY and obtain long-term follow-up on CVD, asthma, COPD, diabetes, cancer, and other health outcomes, as part of the multicenter Hispanic Community Health Study.

Epidemiology of IGF and Aging

NIH/National Institute of Aging; 9/30/09-8/31/13

Using data from the Cardiovascular Health Study, a longitudinal cohort study of adults 65+ years and older, this protocol addressed the hypothesis that among older adults, levels and trajectories of insulin-like growth factor-1 (IGF-I) and IGF binding proteins (IGFBPs) predict the likelihood of remaining alive and free of functional decline.

Inflammatory and Immune Mechanisms of Atherosclerosis in HIV-Infected Women

NIH/National Heart, Lung, and Blood Institute; 9/25/08-6/30/13

This investigation examined immune, inflammatory, coagulation, and lipid disturbances as potential mediators of increased atherosclerosis in HIV-infected women participating in the Women's Interagency HIV Study (WIHS).

CVD and Inflammation Across the Lifespan in HIV Infected Adults and Children

NIH/National Heart, Lung, and Blood Institute; 7/22/13-6/30/15

The overarching goal of this proposal is to study how determinants of CVD change with aging among HIV-infected persons. This project will significantly extend and build upon the NHLBI HIV-CVD Consortium, which includes 9 R01 investigations on atherosclerotic CVD in adults and children with HIV. Scientific aims will involve the identification of risk factors, including standard clinical CVD risk factors such as lipids, blood pressure and diabetes, as well as novel biomarkers of inflammation and hemostasis, that are associated with the presence of subclinical atherosclerosis in patient groups across the lifespan.

Role of Innate Immunity in HIV Related Vascular Disease: Biomarkers & Mechanisms

NIH/National Heart, Lung, and Blood Institute; 9/15/14-5/31/18

The project will provide insights into the observed links of HIV infection and related comorbidities with cardiovascular disease risk, identifying the innate immune system as a novel and modifiable explanatory pathway. This will be done by identifying

mechanisms linking innate immunity with CVD in the setting of chronic, treated HIV infection; developing novel serum biomarkers for monocyte/macrophage related inflammation and coagulation that may stratify CVD risk in the HIV-infected population; and using global sequencing of RNAs to define HIV- and CVD-associated gain and/or loss of function of specific signaling pathways. Extensively characterized HIV-infected and HIV-uninfected enrollees from the Women's Interagency HIV Study (WIHS) and Multicenter AIDS Cohort Study (MACS) are brought to bear in this interdisciplinary, multi-site investigation.

Mark H. Kuniholm, PhD

Dr. Kuniholm's research focuses on understanding how polymorphisms in genes, important for the immune system, influence the pathogenesis of HIV and hepatitis C virus. An additional focus is the impact of direct acting antiviral (DAA) therapies for hepatitis C on inflammation and systemic immune activation.

Qibin Qi, PhD

Dr. Qi's research focuses on the inter-relationships of genetic variants, biomarkers, and dietary intakes and other environmental factors with obesity, type 2 diabetes and related diseases by using genome-wide association analysis, G*E interaction and Mendelian randomization approaches. He is also interested in studies of gene-diet interactions in relation to weight-loss and improvement of related metabolic risk factors in clinical trials.

Nicolas F. Schlecht, PhD, MSc

Cervical, Anal, and Oral HPV Among Inner City Adolescents

NIH/National Institute of Allergy and Infectious Diseases; 5/15/07-11/30/17

This prospective study examines the prevalence, incidence and persistence of anogenital and oral HPV in sexually active adolescents following prophylactic vaccination for HPV.

The Lifecourse Approach to Study the Etiology of Head and Neck Cancer: HeNcE Life Study

Canadian Institutes of Health Research; 7/1/07-3/31/16

This study investigates the relationship between social and psychosocial circumstances at different periods of people's lives and the occurrence of mouth and throat cancers in Canada, and how these circumstances are related to genetic risk associations and HPV infection.

Developing a HPV-Mediated DNA Methylation Panel in Oropharyngeal Squamous Cell Carcinoma

NIH/National Institute of Dental and Craniofacial Research; 9/1/13-8/31/15

This is a study to test a novel host DNA methylation panel for HPV associated oropharyngeal squamous cell carcinoma and test the epigenetic events that may regulate key effector proteins.

Natural History of Oropharyngeal Cancer Precursors: A Pilot Study

Canadian Institutes of Health Research; 7/1/09-3/31/14

This prospective study described the role of HPV, methylation and gene expression in the natural history of precursor lesions of the oral cavity and oropharynx in Canada.

Oral HPV and Lesions in an HIV-Positive Population

NIH/National Institute of Dental and Craniofacial Research; 8/1/11-7/31/14

This study investigated the associations between HPV, risk behavior and immune-related factors in an urban ethnic minority population of HIV-infected and uninfected patients with oral lesions.

Quantitative and Pathway-Specific Assessment of Epigenetic Modulation in CIN and Cancer in HIV-Infected and Uninfected Women

Albert Einstein Cancer Center-Center for AIDS Research; 7/1/11-6/30/14
This study built on our initial data in HIV-negative women to investigate the epigenetic differences that occur in progressive early cervical intraepithelial neoplasia (CIN), high-grade CIN and cancer, common in HIV-infected women.

Sylvia Wassertheil-Smoller, PhD, FAHA

Hispanic Community Health Study, Bronx Field Center

NIH/National Heart, Lung, and Blood Institute; 9/30/06-3/31/20

HCHS is an NIH-initiated multi-center longitudinal study of the health of Hispanic/Latino populations. The study includes 16,000 Hispanic adults, aged 18-74, to investigate the role of diet, health behaviors, clinical factors, genetics, and biomarkers on risk of cardiovascular disease, respiratory diseases including asthma and chronic obstructive pulmonary disease, diabetes, cognitive impairment, and sleep, hearing, dental, kidney, and liver disorders. In the current phase, participants are returning for a second clinic visit.

Women's Health Initiative (WHI) Extension 2010-2015

The Women's Health Initiative Regional Field Center Program (WHI)

NIH/National Heart, Lung, and Blood Institute – University of Buffalo; 10/1/10-9/30/15

This 2010-2015 extension study aims to use the WHI cohort to launch the next generation of critically important cardiovascular and cancer research projects that target older women. WHI, initiated in 1993, consists of a set of multi-center Clinical Trials and an Observational Study to address the health problems of post-menopausal women. The WHI serves as a platform for ancillary studies in cardiovascular disease, cancer and other diseases. The rich resources of data and specimens are being made widely available to the investigator community and for training young investigators.

The NINDS Stroke Genetics Network (SiGN) Study: A Genome-Wide Association Study of Ischemic Stroke

NIH/National Institute of Neurological Disorders and Stroke; 7/1/10-6/30/15

The NINDS SiGN Study has been established as a consortium with 22 sites in the U.S. and in Europe with the overall goal of discovering ischemic stroke susceptibility genes and, ultimately, enabling the exploitation of these discoveries to reduce the burden of stroke.

Mayris P. Webber, DrPH, MPH

Cohort Studies of Incident Cancer in the FDNY Responder Population.

NIH/National Institute of Occupational Safety and Health; 7/1/11-6/30/14

The main objective of this research contract was to analyze the cohorts of FDNY firefighters and EMS workers, both WTC-exposed and non-WTC exposed, to compare cancer incidence by WTC-exposure status during the early post-9/11 years. To achieve this objective, we conducted active surveillance of cancer diagnoses in ~30,000 individuals.

Post-9/11 Cancer Incidence in FDNY Firefighters

NIH/National Institute of Occupational Safety and Health; 7/1/14-6/30/16

The main objective of this research is to further our understanding of the association between World Trade Center exposure and cancer risk.

Post-9/11 Incidence of Systemic Autoimmune Diseases in the FDNY Cohort

NIH/National Institute of Occupational Safety and Health; 7/1/13-6/30/15

The goal of this research is to calculate the incidence of selected systemic autoimmune diseases (SAID) in 21,786 World Trade Center-exposed and unexposed firefighters and emergency medical service workers and to estimate their association with intense WTC exposure.

**DIVISION OF
HEALTH PROMOTION & NUTRITION RESEARCH
MISSION**

Behavior and lifestyle play roles in disease prevention and control. Our mission is to advance understanding of how behavior and lifestyle affect indices of physical health, psychosocial wellbeing, and disease. Faculty research in the Division includes assessment of lifestyle and community environment, nutritional determinants of health-related biomarkers, investigation of psychological, behavioral and socio-cultural factors that improve health outcomes, evaluation of coping with acute illness and chronic disease, investigation of the precision of lifestyle assessment instruments, investigation of mind-body interventions, and assessment of the clinical and cost-effectiveness of behavioral interventions.

PROGRAMS and FUNDED RESEARCH

Judith Wylie-Rosett, EdD, RD, Division Head

Reducing Diabetes Risk in Chinese Immigrants

NIH/National Institute of Diabetes and Digestive and Kidney Diseases; 4/1/11-3/31/13

This pilot project was designed to adapt the Diabetes Prevention Program (DPP) intervention for a Chinese immigrant population and test the feasibility of implementation in a larger scale trial.

Comprehensive Family Weight Management Study

NIH/National Institute of Diabetes and Digestive and Kidney Diseases; 5/1/08-4/30/15

The study is evaluating a comprehensive family weight management program in a large municipal Bronx hospital primary care program of 7-12 year-old Bronx children who have a standardized BMI > 85th percentile. The multidimensional intervention framework focuses on the family and addresses the community environment. In a two arm randomized controlled clinical trial, children and their families are being assigned to an Experimental (Intensive) Intervention or a Control (Minimal) Intervention. One-year endpoints include the child's BMI (z-score change), key biomarkers (fasting glucose and insulin levels, lipid profile, blood pressure, and liver enzymes), and lifestyle variables. Two-year weight changes will be used to determine the sustainability of the intervention effects. Intervention cost-effectiveness will be determined from the institutional perspective.

Diabetes Research and Training Center

NIH/National Institute of Diabetes and Digestive and Kidney Diseases; 4/1/10-3/31/15

Director of Behavioral Intervention and Evaluation Methods (BIEM) Unit

The Center provides an administrative organization, a series of biomedical cores, a feasibility study program, and a Prevention & Control effort, which includes consultation services from the BIEM Unit.

Wellness Program Implementation: School & Student Toolkits

NIH/National Institute of Diabetes and Digestive and Kidney Diseases; 9/1/13-8/31/18

This study will evaluate a participatory implementation model to address barriers to school-based programming related to obesity-related health recommendations.

Barriers will be addressed at both the school and student level. Outcomes will include the impact of wellness programming on student health behaviors in relation to their

school environment, and will use simulation modeling to evaluate the process by which wellness programming is adapted and sustained over time.

Carmen R. Isasi, MD, PhD

Hispanic Community Children's Health: Study of Latino Youth (SOL-Youth)

NIH/National Heart, Lung, and Blood Institute; 12/1/10-11/30/14

This is a multicenter study that examined a wide range of socio-cultural factors and biological markers associated with obesity and cardiometabolic risk in a sample of 1,600 Latino boys and girls aged 8-16 years old from 4 field centers (Bronx, Chicago, Miami, and San Diego).

Gut microbiome, obesity, and cardiometabolic risk in children.

Einstein Clinical and Translational Science Award (CTSA); 11/10/14-4/30/15

This is a feasibility study to examine gut microbiome composition in minority children and its relation to obesity and cardiometabolic risk factors.

Alyson B. Moadel-Robblee, PhD

Bronx Oncology Living Daily (BOLD Living) Program

Entertainment Industry Foundation; 4/1/14-3/31/15

Yankees Community Benefits Fund; 5/1/14-4/30/15

Ovarian Cancer Research Foundation; 1/1/14-12/31/14

Avon Foundation Safety Net Grant; 1/1/15-12/31/15

The BOLD Living Program was developed in response to a psychosocial needs assessment of Bronx cancer patients and family members who expressed interest in a variety of supportive services. To address these unmet needs, the BOLD Program offers culturally-tailored workshops and peer support designed to enhance the physical, emotional, and spiritual well-being of those affected by cancer. Workshop themes focus on health promotion, mind-body therapies, and creative arts, with new topics and refinements made regularly in response to participant feedback. The BOLD Buddies Program and Woman-to-Woman Program include volunteer treatment companions and phone support services for breast and gynecologic cancer patients.

Psychosocial Oncology Program (PSOP)

Montefiore-Einstein Center for Cancer Care; 2006-ongoing

The PSOP is a clinical service program that offers no-cost counseling and support to anyone affected by cancer in the Bronx and surrounding areas. Services are delivered by psychology graduate students (interns/externs) who receive supervision from Dr. Moadel-Robblee, a licensed health psychologist. Training for oncology and palliative care fellows is also provided to address communication skills and stress management during the first or second year of fellowship. Self-care groups for other oncology staff are also offered. Research conducted within the PSOP is aimed at identifying the psychosocial needs of the diverse oncology community and addressing them through culturally-aligned interventions towards improving quality of life, adherence, patient/provider communication and health outcomes among cancer patients, family members, and providers. Major areas of focus include cancer-related quality of life, oncology staff burnout, parental cancer, and mind-body therapies (e.g., yoga).

Yasmin Mossavar-Rahmani, PhD, RD

Study of Latinos: Nutrition & Physical Activity Assessment Study (SOLNAS)

NIH/National Heart, Lung, and Blood Institute; 4/25/10-3/30/15

This study is being conducted in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL), an NIH-NHLBI funded study of Hispanics/Latinos in the Bronx,

Chicago, Miami and San Diego. The principal aims of the proposed study are: 1) To compare energy and protein data from the 24 hr dietary recall to the gold standard biomarkers Doubly Labeled Water (DLW) for energy, and urinary nitrogen for protein; to compare physical activity energy expenditure data from study questionnaires to the Actical (an accelerometer for measuring physical activity), DLW and indirect calorimetry. 2) To contrast measurement error properties of: (i) the 24 hr dietary recall; (ii) the 24 hr dietary recall with the addition of the Food Propensity Questionnaire (FPQ) (iii) SOL Physical Activity Questionnaire; (iv) the Tufts University Puerto Rican/Dominican Food Frequency Questionnaire (Bronx only); 3) To use the fitted measurement error model to produce calibrated intake and physical activity measures in the full HCHS/SOL cohort for use in analyses of clinical outcomes.

Sueño: Sleep Habits in the Hispanic Community Health Study

NIH/National Heart, Lung, and Blood Institute; 7/1/10-4/30/14

The specific aims of this proposal were: 1) To define the prevalence of objectively assessed abnormal sleep habits in five domains (sleep duration, sleep continuity, circadian phase, variability in sleep patterns, and daytime napping) in a subset of the Hispanic Community Health Study and define differences in these domains across age, gender, and ethnic subgroups. 2) To identify predictors of sleep habits by assessing the association between measures of socioeconomic status, social networking, acculturation, and mood with sleep patterns. 3) To understand the effects of abnormal sleep habits on health by assessing the association between sleep patterns and both prevalent and incident cases of obesity, hypertension, diabetes, and cardiovascular disease.

CJ Segal-Isaacson, EdD, RD

Dr. Segal-Isaacson has an Einstein internally funded grant to develop and pilot test a six session food-based nutrition education curriculum for undergraduate medical trainees. The specific aims for this CHEF course at Einstein are to increase participating medical students' skills at preparing healthy, minimally processed fresh foods and to achieve proficiency with the basic cooking techniques of steaming, braising, sautéing and baking. Students will also develop several recipes for a particular medical disease or condition (irritable bowel syndrome, diabetes, etc.) that may nutritionally ameliorate the condition or its symptoms.

Natania Wright Ostrovsky, PhD

Dr. Ostrovsky is a clinical psychologist whose research interests include obesity, mood, and health behaviors. Dr. Ostrovsky is currently working with Dr. Judith Wylie-Rosett on a research study to develop innovative wellness programming for NYC high school students.

OTHER NOTABLE FACULTY

Eran Bellin, MD, VP Clinical IT Research and Development

Dr. Bellin is VP of Clinical IT Research and Development at Montefiore Information Technology. For 15 years, he led the development of Clinical Looking Glass, a user-friendly self-documenting software system that allows clinicians and administrators to define patient cohorts and track outcomes across time. This novel software supports quality improvement projects, house staff education, and IRB approved research, setting new standards for transparency and medical care management by objectives. In 2014, commercial development rights were sold to Streamline Health. Dr. Bellin's ongoing research involves the application of new computer-based epidemiologic analytic techniques to observational data in electronic medical records to inform population health policies, interventions, and evaluation.

Paul R. Marantz, MD, MPH

Clinical and Translational Science Award (CTSA)

NIH/National Center for Advancing Translational Science (NCATS); 9/26/13-4/30/18
A national consortium of medical research institutions, funded through Clinical and Translational Science Awards (CTSAs), is working together and shares a common vision to improve the way that biomedical research is conducted across the country, reduce the time it takes for laboratory discoveries to become treatments for patients, engage communities in clinical research efforts, and train the next generation of clinical and translational researchers. There are currently 62 institutions funded under the CTSA. This grant supports the Harold and Muriel Block Institute for Clinical and Translational Research (ICTR) at Einstein and Montefiore.

Education and Training Program in Patient-Centered Outcomes Research

Agency for Healthcare Research and Quality (AHRQ); 6/1/14-5/31/19

This project will develop a new, multifaceted education and training program in patient-centered outcomes research (PCOR) set in the medically underserved community of the Bronx. The project represents a partnership between Albert Einstein College of Medicine and Montefiore Medical Center (a community-oriented academic medical center and primary-care focused healthcare delivery system).

Strengthening Behavioral and Social Science in Medical School Education

Office of Behavioral and Social Science Research (OBSSR, administered by NICHD); 5/19/11-4/30/16

The major goal of this project is to enhance, in collaboration with the Warren Alpert Medical School of Brown University, medical students' learning of population health.

Education Connecting Laboratory Investigation and Population Science at Einstein (eCLIPSE)

Burroughs Wellcome Fund; 2/1/13-6/30/19

The major goal of this project is to develop and implement an innovative predoctoral PhD program to provide interdisciplinary cross-training in laboratory sciences and population sciences.

ADMINISTRATION

Brian Pelowski, Interim Unified Administrator

Tom Aprea, Interim Administrator, Einstein Campus

Elizabeth Abbate, Secretary, Einstein Campus

Cheryl Bates, Secretary, Einstein Campus

Celeste Broquadio, Assistant to the Chairman

Maureen DeLouise, Administrative Secretary, Einstein Campus

Connieann Delvecchio, Administrative Secretary, Einstein Campus

Margie Salamone, Office Coordinator, Einstein Campus

Maria Vlasaty, Office Coordinator, Kossuth – Einstein

EPIDEMIOLOGY INFORMATICS & STUDY MANAGEMENT UNIT

Mindy Ginsberg, Resource Director

Gregory Aidinov, Applications Manager

Luis Bonilla, Data Analyst

Edith Brown, Data Analyst

Tom Cavuoto, Senior Systems Manager

Carlo S. Garcia, Senior Developer/DBA

Jeffrey Geizhals, Bioinformatics Analyst

Molly Gilmore, Software Architect

Victor Kamensky, Statistical Programmer

Minerva Manickchand, Project Coordinator

Martin Packer, Bioinformatics Analyst

Noel Relucio, Systems/Network Administrator

Gregory Rosenblatt, Software Architect

Jatin Solanki, Lead Applications Developer

Allan Spielman, Software Architect

Daniel Tracy, Data Manager

2013-2014 FACULTY

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Qibin Qi, PhD
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DIVISION OF HEALTH PROMOTION & NUTRITION RESEARCH

Judith Wylie-Rosett, EdD, RD, Head
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CJ Segal-Isaacson, EdD, RD*
Natania Wright Ostrovsky, PhD*

OTHER NOTABLE FACULTY

Eran Bellin, MD
Paul R. Marantz, MD, MPH
Steven M. Safyer, MD*

EPIDEMIOLOGY INFORMATICS & STUDY MANAGEMENT UNIT

Mindy Ginsberg, BA

**Has a non-primary appointment and/or is part-time in the Department. For a listing of all faculty, see DEPH website.*

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Albert Einstein College of Medicine
OF YESHIVA UNIVERSITY

DEPARTMENT OF EPIDEMIOLOGY AND POPULATION HEALTH

The Albert Einstein College of Medicine of Yeshiva University and Montefiore Medical Center
Jack and Pearl Resnick Campus
1300 Morris Park Avenue, Bronx, New York 10461
<http://eph.aecom.yu.edu>