**DIANA HERNÁNDEZ, PhD**

CURRICULUM VITAE

December 2019

**Contact Information:**

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ACADEMIC APPOINTMENTS AND WORK EXPERIENCE

Assistant Professor,Department of Sociomedical Sciences, Mailman School of Public Health, Columbia University, February 2011- Present

Associate Research Scientist, Department of Sociomedical Sciences, Mailman School of Public Health, Columbia University, October 2009- February 2011

Doctoral Dissertation Fellow, National Science Foundation, Law and Society Association and American Bar Foundation, Chicago, IL, August 2008- July 2009

Summer Research Fellow,Mathematica Policy Research, Inc., Cambridge, MA,June 2007- August 2007

Graduate Research Assistant, *Latino National Survey (LNS),* Michael Jones-Correa, (Principal Investigator) Government Department, Cornell University, August 2006- August 2007

Summer Research Fellow,Cornell University Urban Scholars Program and Job Access Center, Bronx, NY, May 2003- August 2003

Research Assistant, *“Reshaping the American Dream: Immigrants, Minorities and the Politics of the New Suburbs.”* Michael Jones-Correa (Principal Investigator), Government Department, Cornell University, January 2003 - May 2003

Research Assistant, “*Curriculum Reform Funding Project*” Claus Mueller (Principal Investigator), Department of Sociology, Hunter College, August 2000- May 2001

FIELDS OF SPECIALIZATION

* *Disciplinary Foci*: Sociology and Public Health
* *Research Areas*: Energy and Environmental Studies; Poverty and Social Inequality; Housing and Urban Studies

**EDUCATION**

Cornell University, Ithaca, NY.

Ph.D. in Sociology

Dates in Attendance: August 2002- September 2009; Degree Awarded: February 2010

Dissertation- “Litigating Health Risks: Assessing the Impact of Legal Services to Combat Housing and Neighborhood-Related Health Risks”

Chair: David Harris; Committee Members: Gary Evans, Stephen Morgan and Maureen Waller

Cornell University, Ithaca, NY.

M.A. in Sociology, 2005

Master’s Thesis- “Mediating Spatial Mismatch: A Case Study on Facilitating Job Access for Inner-City Residents through Suburban Employment”

Advisor: David Grusky

Hunter College- City University of New York, New York, NY.

B.A. in Sociology and Black and Puerto Rican Studies.

Dates in Attendance: August 1999- May 2002; Degree Awarded: May 2002

Senior Honor’s Thesis- “Skin Tone and the Second Generation”

Advisor: Philip Kasinitz

TRAINING and PROFESSIONAL DEVELOPMENT\*

* National Institutes of Health- National Heart Lung and Blood Institute’s Programs to Increase Diversity among Individuals in Health Related Research (PRIDE) Scholarship in Comparative Effectiveness Research, Columbia Summer Research Institute, Columbia University Medical Center, Columbia University, June 2011 - August 2012
* Pre-Doctoral Research Fellow, National Institute of Mental Health- Career Opportunities in Research Education and Training Program (NIMH-COR). Mentor: Philip Kasinitz (Principal Investigator), *“The Immigrant Second Generation in Metropolitan New York Study.”* Department of Sociology, Hunter College and Graduate Center of the City University of New York, August 2001 - May 2002
* Summer Research Fellow, Commission on Institutional Cooperation (CIC) - Summer Research Opportunities Program (SROP). Mentors: Tyrone Forman and Amanda Lewis, Sociology Department, University of Illinois at Chicago “African Americans: Skin Tone, Life Chances and Mental Health.” May - August 2001

 \**Funded training grants are listed under grants*

**HONORS AND AWARDS**

* New York City Mayor’s Appointment to inaugural *Environmental Justice Advisory Board*, 2019
* Public Health Service Award, NY League of Puerto Rican Women, honored at 11th Anniversary Scholarship Gala, 2019
* IRP Scholar-in-Residence at Stanford University’s Center for Poverty and Inequality, sponsored by the Institute for Research on Poverty (IRP) at the University of Wisconsin-Madison, 2018
* Dean’s Junior Faculty Excellence in Leadership Award, Mailman School of Public Health, Columbia University, 2016
* Junior Faculty Teaching Award, Mailman School of Public Health, Columbia University, 2016
* Special Interest Leadership Group. TEDMED and Robert Wood Johnson Foundation, 2015-2017
* Young Leadership Coalition, New York Housing Conference, 2013
* Young Leader in Affordable Housing, National Housing Conference, 2013
* National Science Foundation, American Bar Foundation and Law and Society Association,

Law and Social Science Dissertation Fellowship- 2008-2009

* Cornell University Graduate School, Conference Travel Grant, 2007-2008
* Center for the Study of Inequality and Bronfrenbrenner Life Course Center-

Graduate Seed Grant Competition, Cornell University, 2006-2007

* Latino Studies Program, Graduate Research Grant. Cornell University, 2006-2007
* Provost’s Diversity Fellowship, Cornell University, 2005-2006
* Sage Fellowship, Cornell University, 2002-2004
* Ford Pre-Doctoral Minority Fellowship Alternate/Honorable Mention, 2002 and 2003
* Charlotte Hughes Devree Scholarship, Hunter College, 2002
* Institute for the Recruitment of Teachers, Phillips Andover Academy, Associate, 2001-2002
* Peter Vallone Merit Scholarship, Hunter College, 1999-2002
* Dean’s List, Hunter College, 1999-2002

**ADMINISTRATIVE LEADERSHIP AND ACADEMIC SERVICE**

*Departmental and School-wide Service Positions*

* *Director of Community Engagement Core and Member*, Center for Environmental Health in Northern Manhattan, Environmental Health Sciences Department, Mailman School of Public Health, April 2017-present
* *Director of Community Outreach and Translation Core and Member*, Columbia Center for Children’s Environmental Health, Mailman School of Public Health, May 2019-present
* *Member and Lead,* Faculty Innovation Group, Mailman School of Public Health, 2015-2016
* *Founding Director, “*Energy Equity Housing and Health (E2H2) Working Group,”Fall 2013- present
* *Facilitator*, “Self, Social, Global Awareness,” Mandatory Cultural Competency training program for incoming graduate students at Mailman, 2013-2015
* *Faculty Scholar*, Dean’s Initiative on the Prevention of Incarceration, 2013-2015
* *Co-convener and Member*, City Life Is Moving Bodies (CLIMB) Consensus Group, 2010-2014
* *Doctoral Program Committee Member*, Sociomedical Sciences, 2012-present
* *Sponsor and Reviewer*, Master’s Thesis, Sociomedical Sciences, 2010-present

*Columbia University Academic Service Affiliations*

* *Faculty affiliate*, Center for Global Energy Policy, Columbia School of International and Policy Affairs, 2016-present
* *Faculty affiliate*, Tamer Center for Social Enterprise, Columbia University Business School, 2014-present
* *Faculty affiliate*, National Center for Children in Poverty, Mailman School of Public Health, 2013-2019
* *Member*, Center for the Psychosocial Study of Health and Illness, Sociomedical Sciences Department, Mailman School of Public Health, Columbia University, 2012-present
* *Member (since 2011) and Co-Director of Urbanism Track (starting 2019)*, Columbia Population Research Center, Columbia University, 2011-present
* *Member*, Center for the Study of Social Inequalities and Health, Columbia University, 2010-2015

**PROFESSIONAL ORGANIZATIONS AND SOCIETIES**

* American Public Health Association
* Interdisciplinary Association for Population Health Science (IAPHS)
* American Sociological Association
* Law and Society Association

*External Advisory Positions*

Local

* *Mayoral Appointee,* New York City’s inaugural Environmental Justice Board, July 2019
* *Advisory Board Member*, Smoke-free Policy Implementation Advisory Group, New York City Housing Authority and Department of Health and Mental Health, March 2017- Present
* *Advisor to present and past Elected Officials* including: NY State Senators Jeffrey Klein and Gustavo Rivera; State Assemblyman Michael Blake and Former City Council Speaker Melissa Mark-Viverito, **2013- present**
* *Steering Committee Member*, “Healthy Housing and Indoor Environments Conference,” sponsored by the NIEHS Center for Environmental Health in Northern Manhattan and WE ACT. Fall 2014
* *Board Member,* South Bronx Overall Development Corporation, Bronx, NY **2013- 2018**
* *Board Member, Officer (Treasurer) and Research, Evaluation and Quality Assurance Committee Chair*, BOOM! Health (formerly Citiwide Harm Reduction and Bronx AIDS Services), Bronx, NY **2011- 2015**
* *Committee Member and Research Advisor*, City Life is Moving Bodies, **2011-2014**
* *Volunteer,* New York Cares(city-wide volunteer organization) **2011-2015**
* *Volunteer,* Career Day at NYC Public Schools (P.S.35, P.S. 114, P.S. 49) **2005- present**
* *Volunteer,* Yorkville Common Pantry- Project Dignity, New York, NY, **2001-02**
* *Volunteer,* Hebrew Home for the Aged at Riverdale, Bronx, NY, **1998-99**

National

* *Consultant*, Stewards of Affordable Housing for the Future- “Resident Benefits of Energy Upgrades” October 2018
* *Consultant*, Elevate Energy- “Documenting Energy Insecurity in Chicago” 2018-2019
* *Research Advisory Board Member,* American Council for an Energy Efficient Economy, 2017-present
* *Advisory Board Member*, Energy Efficiency for All, Green and Healthy Homes Initiative, April 2016- present
* *National Advisory Council Member*, Build Healthy Places Network 2016-2017
* *Academic Advisor*, Texas Energy Poverty Research Institute 2016-present
* *Board Member (Alumni Rep.)*, Committee on Diversity, Inclusion and Equity, Graduate School of Arts and Sciences, Cornell University; 2015-present
* *Consultant*, SAMHSA- HELP PSI, Bronx AIDS Services and Citiwide Harm Reduction. Young Men who have Sex with Men Bronx Health Collaborative. 2013-2014
* *Consultant*, Social and Scientific Systems. *Initiative on AIDS in Hispanic Communities* March - July 2012
* *Consultant*, National Alliance of State and Territorial AIDS Directors (NASTAD) and National Institute of Health- Office of AIDS Research. *Latino Gay Men’s Project*, 2010-2012
* *Graduate Student Representative,* Latino Studies ProgramAdvisory Board, Cornell 2003-05
* *Graduate Student Advisor,* Puerto Rican Student Association, Cornell University, 2004-05
* *Student Representative,* NIMH-COR Selection Committee, 2002

*Journals and Grants Reviews*

* *Journal Reviews*: American Sociological Review, Social Forces, Nature Energy, Journal for the Poor and Underserved; Housing Studies; Housing Policy Debate; Youth and Society, and Poverty and Public Policy, Journal of Family Issues, Energy Research and Social Science, Energy Economics.

*Grant Reviews*: Robert Wood Johnson (RWJ) Foundation- “Interdisciplinary Research Leaders;” National Academies of Sciences, Engineering and Medicine + RWJ- “Gulf Research Program;”

*Social Enterprise*

* Founder and Principal, Alchemy by Design, Corp. Private real estate enterprise dedicated to purchasing, renovating and managing formerly distressed and vacant properties in the South Bronx to attract upwardly mobile residents with Bronx roots to Mott Haven/Melrose. Portfolio includes 3 properties with 10 individual units since 2012. Featured on WNYC and StatNews.

**FELLOWSHIPS AND GRANT SUPPORT**

*Active Support* [\*Funded Training/Professional Development Grant]

1. Project Title: Visiting Scholar Program\*

Funder: Russell Sage Foundation

Project Period: September 2020-June 2021

1. Project Title: Smoke-Free Living: Evaluating Compliance and Refining Enforcement of Smoke-free Housing Policy (SFHP) in Low-Income Multiple Unit Housing

Funder: Housing and Urban Development

Grant Number: NYHHU0034-16 (Hernández)

Project Period: 1/03/17- 01/02/21; Budget $700,000

Role: Principal Investigator (with co-Investigators: Yumiko Aratani. Joyce Moon Howard, Angela Aidala, Chunrong Jia and Daniel Giovenco; Community Partner: WaveCrest Property Management and Catholic Charities)

Description: This study will evaluate an original intervention designed to increase SFHP compliance in established smoke-free affordable housing development, Betances Houses in the South Bronx, using a mixed methods, pre-post with comparison group study design.

1. Project Title: Energy Insecurity and Public Health: Going Further through Cross-Sector Collaboration\*

Funder: Robert Wood Johnson Foundation- Interdisciplinary Research Leaders Program

Project Number: ID 84643

Project Period: 09/15/19- 09/14/22; Budget $350,000

Role: Multiple Principal Investigator with Lauren Ross at American Council for an Energy Efficient Economy and Vjollca Berisha at Maricopa County Health Department.

Description: The proposed project aims to enable local health and sustainability officials to identify and tackle the problem of energy insecurity in their communities in a way that reduces household energy consumption while maximizing health impacts. For this project, we will target Arizona-based communities that are at an increased risk of extreme heat. Due to climate change, these communities are likely to face higher temperatures in the near future.

1. Project Title: Energy insecurity and Aging Populations: Exploring links to Alzheimer’s disease and related dementias\*

Funder: The Columbia Center for Interdisciplinary Research on Alzheimer's Disease Disparities (CIRAD)- CIRAD Scientist Training and Pilot Program funded by National Institute of Aging’s Alzheimer’s-related Resource Centers for Minority Aging Research (AD-RCMAR) at Columbia University Irving Medical Center.

Project Period: September 2019 - August 2020; Budget: $50,000

Role: Principal Investigator

Description: This pilor project builds on my existing national study of energy insecurity by focusing on older minority adults participating in existing cohort studies to better understand the prevalence of energy insecurity in this population and examine any associations with Alzheimer’s disease and related dementias indicators based on subjective and objective measures and cognition, sleep quality and perceived stress as primary outcomes of analysis.

1. Project Title: National Study of Energy Insecurity

Funder: JPB Foundation

Project Period: 10/01/18-09/30/20; Budget: $150,000

Role: Principal Investigator

Description: This funding support the national energy insecurity study started in the JPB fellowship. It extends the project by one year and supports project personnel and quantitative and qualitative data analysis.

1. Project Title: Center for Environmental Health in Northern Manhattan (CEHNM)

Funder: National Institute of Environmental Health Sciences

Grant Number: 5P30 ES009089-18 (Baccarelli)

Project Period: 4/1/2017-3/31/2022; Budget: $1,118,110

Roles: Director of Community Engagement Core

Description: The Center for Environmental Health in Northern Manhattan (CEHNM) examines diseases resulting from environmental exposures with a special focus on translating scientific evidence into prevention and an overarching goal to foster innovation and interdisciplinary science, career development, and community partnerships.

1. Project Title: To Maintain and Enrich Resource Infrastructure for Existing Environmental Epidemiology Cohorts

Role: co-Investigator and Director of Community Outreach and Translational Core

Funder: National Institutes of Health/DHHS

Project Period: October 2019- September 2024, Total Budget Amount: $ 2,010,698.00

Description: The Columbia Center for Children’s Environmental Health (CCCEH) has been awarded support to maintain retention and engagement of its unique environmental cohorts, enhance basic laboratory and data management resources, increase community outreach efforts, and set the stage for new partnerships and training opportunities to evaluate cumulative oxidative damage from prenatal exposure to mixtures of environmental pollutants.

1. Project Title: Enhanced HIV Care Access & Retention for Drug Users in San Juan, Puerto Rico

Funder: National Institute of Drug Abuse

Grant Number: 5R01DA035280-05

Principal Investigators: Lisa Metsch, PhD and Jorge Santana, MD

Role: Co-Investigator and Lead Ethnographer

Project Period: 2013-2020; Budget: $7,268,711

Description: This study evaluates both the effectiveness and cost of implementation of a community-level structural approach to maximize outcomes along the implementation cascade of testing, linkage, ART initiation, engagement and retention in care, for a disproportionately affected subpopulation of marginalized injection drug users in Puerto Rico.

*Past Support* [\*Funded Training/Professional Development Grant]

1. Project Title: Ecological Assessment of Health Interventions to Achieve Communities of Opportunity in Affordable Housing Settings

Funder: JPB Foundation; Supplemental funding from the Columbia Population Research Center

(CPRC), Columbia University

Project Period: 09/01/2018-11/30/2019; Budget: $250,000; $15,000 (CPRC seed grant)

Role: co-Principal Investigator with Virginia Rauh (co-PI) and Charles Branas (co-I)

Description: The proposed planning grant seeks to address a critical gap between housing research, practice and policies by developing and field testing a set of methods to be used in a formal study of the impact of housing-based health interventions.

1. Project Title: Evaluating Changes in Exposure of Pregnant Women to Air Pollution and the Benefits of Residential Oil Policy in NYC

Funder: New York Community Trust

Project Period: 12/19/17-12/18/19; Budget: $60,000

Role: co-Principal Investigator with Frederica Perrera (PI)

Description: The goal of the proposed study is to assess exposure levels of toxic pollutants within vulnerable populations (pregnant women and their children living in underserved communities of color), as it pertains to the NYDEP rule on heating fuels.

1. Project Title: Putting the Face on Fossil Fuel Pollution and Climate Change: Case Studies of the Benefits of Policy Change

Funder: The John Merck Fund

Project Period: 04/27/18-11/26/19; Budget $75,000

Role: co-Investigator, Frederica Perrera (PI), Dave Mills (Abt Associates) and Patrick Kinney (Boston University)

Description: Our interdisciplinary team will write up selected case studies of successful initiatives to transition to clean energy and a healthy environment. The cases will draw on the latest science on the health damage from fossil fuel combustion by-products, the advances in alternative energy and sustainable development, and the valuation of avoidable illnesses/deaths.

1. Project Title: JPB Environmental Health Fellowship Program, Harvard University\*

Funder: JPB Foundation

Grant Number: 259784 (Hernández)

Project Period: 10/01/14-02/28/19; Budget $350,000

Role: Principal Investigator

Description: This fellowship was developed to promote multidisciplinary research on how the social and physical environment interact to influence health and to look particularly at these determinants of health on underserved communities. Through internal grants, mentoring and training the JPB EH Fellows will be prepared to engage in community-based research addressing persistent and emerging environmental health challenges.

1. Project Title: Examining the Impact of Rental Assistance Demonstration on Children Living in Public Housing Communities

Funder: Housing and Urban Development

Principal Investigator: Yumiko Aratani, PhD

Role: Co-Investigator (also with Jeanne Brooks-Gunn)

Project Period: October 2013- February 2019; Budget: $400,000

Description: This study examined the impact of Rental Assistance Demonstration on the educational outcomes of low-income children living in public housing in California and how the effect of RAD varies by changes in housing stability and quality as well as the level of resident engagement in RAD implementation using mixed methods.

1. Project Title: Assessing the Impact of Clean Heat Policy Intervention in New York City

Funder: National Institute of Environmental Health Sciences

Grant Number: 1 R21 ES024108-01 (Hernández)

Role: Principal Investigator (with co-Investigators: Steven Chillrud, Xinhua Liu and Matthew Perzanowski; Community Partner: WE ACT for Environmental Justice)

Project Period: 1/20/2014-6/30/2017; Budget $476,000

Description: This project examined indoor/outdoor air quality and resident health in 50 Northern Manhattan buildings prior to and one-year post heating fuel conversion mandated by NYC Clean Heat Initiative.

1. Project Title: Inter-city study of community engagement in parks, children and adolescent health

Funder: National Institutes of Health- Eunice Kennedy Shriver National Institute of Child Health & Human Development

Grant Number: 1 R13HD071388-01(Hernández)

Role: Principal Investigator

Project Period: 01/01/2012 – 12/31/2015; Budget: $160,000

Description: This project supported the development of community-academic partnerships related to parks and health in Northern Manhattan and the Hill District in Pittsburgh, PA.

1. Project Title: Career Development Award, Center for Environmental Health in Northern Manhattan\*

Funder: National Institute of Environmental Health Sciences

Grant Number: 5P30 ES009089-18 (Baccarelli)

Project Period: 4/1/16-3/31/19; Budget: $100,000

Role: Awardee/Principal Investigator

Description: This funding supported manuscript development and professional development opportunities in advancement of research agenda on environmental health disparities, and tenure and promotion.

1. Project Title: Energy Insecurity: Examining Energy, the Built Environment and Health Among Vulnerable Populations in the Context of Climate Change\*

Funder: Provost Office, Columbia University

Role: Principal Investigator

Project Period: 2/15/2013- 2/14/2014; Budget $25,000

Description: This study examined the impact of energy efficiency interventions on health and finances of low-income householders

1. Project Title: Up in Smoke: A Community-based Participatory Research Project on the Conversion Process to Cleaner Burning Fuel in Northern Manhattan

Funder: NIEHS Center for Environmental Health in Northern Manhattan (ES009089)

Role: Principal Investigator (with Steven Chillrud, Matthew Perzanowski, Xinhua Liu)

Community Partner: WE ACT (Milka Rodriguez, Cecil-Corbin Mark)

Project Period: 7/1/2013-6/30/2014; Budget $25,000

Description: This pilot project examined indoor/outdoor air quality prior to and one-year post heating fuel conversion mandated by NYC Clean Heat Initiative.

1. Project Title: Qualitative Analysis of Client Retention in the NYC Nurse-Family Partnership (NFP) Program

Funder: Fund for Public Health in New York on behalf of the NYC Department of Health and Mental Hygiene and the Nurse-Family Partnership program.

Role: Co- Principal Investigator (with Amelie Petitclerc co- PI; Jeanne Brooks-Gunn, advisor; Sarah Berk, study coordinator; Anne Martin, consultant)

Project Period: November 2013 – May 2015; Budget: $40,000

Description: This project examined client attrition in the NYC NFP, in order to guide efforts to improve retention rates and better frame the issue of attrition in communications with the public and potential funders.

1. Project Title: Resilience and Sandy Response among NYC Public Housing Residents

Funder: Health and Human Services

Principal Investigator: Dave Evans, PhD

Role: Co-Investigator

Community Partner: WE ACT

Project Period: September 2013-2015; Budget $276,143

Description: This study assessed the resilience of residents of high-rise public housing in responding to Sandy’s impact and sought to develop training tools to improve preparedness and promote residents’ resilience in responding to future climate events and other emergencies.

1. Project Title: A Washington Heights Community Diagnosis

Funder: New York Presbyterian (Global Research and Analytics for Public Health- GRAPH)

Role: co-Investigator (with Crystal Fuller, Peter Muennig and Qixuan Chen)

Project Period: January 2014 – February 2016; Budget: $1,600,000

Description: This project examined the features of health systems that are responsive to community health needs and optimize health for lower costs by delivering a rigorous multi-modal community diagnosis of the local Washington Heights community while refining and extending methods that can be used in other settings.

1. Project Title: Bundled Rapid HIV/HCV Testing Intervention to Increase Receipt of Test Results

Funder: National Institute of Drug Abuse

Grant Number: 1 R34 DA038530-01

Principal Investigators: Jemima A. Frimpong, PhD and Thomas D'Aunno, PhD

Role: Co-Investigator

Project Period: 2015-2018

Description: This project developed and tested a bundled rapid HIV/HCV testing intervention (joint offer of HIV and HCV testing at the point of service), in order to increase the receipt of HIV and HCV test results among patients of drug abuse treatment programs.

1. Project Title: Gender, Power and Latino Men's HIV Risk

Funder: National Institute of Child Health and Development

Grant Number: 1R01HD056948-01A2

Principal Investigator: Miguel Muñoz-Laboy, DrPH

Role: Ethnographer

Project Period: 2009-2012

Description: This study examined the social determinants of HIV risk among behaviorally bisexual Latino men in New York City.

1. Project Title: Dorchester Housing and Neighborhood Study

Role: Principal Investigator

Funder: Atlantic Philanthropies; National Science Foundation and American Bar Foundation- Law and Social Science Dissertation Award

Project Period: 2006-2009, $90,000 (Hernández)

Description: My dissertation project examined the impact of Medical Legal Partnerships on health and legal outcomes of low-income patients.

*Pending Support*

1. Project Title: A randomized controlled trial to advance smoke-free policy compliance in public housing

Role: Principal Investigator (with Charles Branas, Ana Navas-Acien, Daniel Giovenco and David Albert)

Funder: National Cancer Institute/NIH/DHHS (PAR-18-675)

Project Period: 2019-2024, Total Budget Amount: $ 4,022,955.00

Status Information: Scored 23rd Percentile in first submission (October 2018), Resubmitted October 2019

Description: The broad objective of this proposal is to address a gap in knowledge by conducting a randomized controlled trial of resident-centered interventions that promote smoke-free housing policy compliance in public housing communities in New York City.

1. Project Title: Center for Urban Environmental Health Policy and Equity

Role: Multiple Principal Investigator (with Matthew Perzanowski and Charles Branas)

Funder: National Institute of Environmental Health Sciences-- Tracking # GRANT12975823

Status Information: Initial submission- November, 2019; Total Budget Amount: $ 4,777,105.00

Description: With increasing urbanization, promoting equitable public health and well-being requires that urban planning decisions incorporate public environmental health. The vision of the Center for Urban Environmental Health Policy and Equity (CUEHPE) is to determine who benefits from urban environmental policies that impact health, and to use this knowledge to inform more equitable policies. The mission of the CUEHPE is to conduct environmental health disparities research, train future independent researchers representative of affected communities, and establish partnerships between researchers and these communities to better determine how environmental and transportation policies can work to reduce urban health disparities.

1. Project Title: Communities of Opportunity: A Model of Public Health, Medical, and Social Services in Affordable Housing Settings

Role: Principal Investigator (with co-I: Virginia Rauh and subcontractor: Communities of Opportunity)

Funder: Robert Wood Johnson Foundation

Project Period: 2020-2023, Total Budget Amount: $ 500,000

Status Information: Submitted November 6, 2019; Notice of Award February 2020

Description: Our project will examine affordable housing as the site and delivery mechanism aligning the medical, public health, and social service systems at Grace West, a Jonathan Rose Companies (JRCo) affordable housing site in Newark, NJ.

1. Project Title: The Social Epigenetics of Housing on a High Risk Minority Cohort

Role: co-Investigator (with PI: Christina Hoven and co-I: Andrea Baccerrelli and others)

Funder: National Institute of Minority Health and Health Disparitites/NIMHD (PAR-19-372)

Total Budget Amount: $ 4,022,955.00

Status Information: Initial submission- November, 2019; Review- March 2020

Description: Children and adolescents living in poor quality housing conditions, of which there are millions in the US, are likely to experience lifelong health disparities. This investigation entails epigenetic study of youth affected by growing up in poor quality housing and will contribute toward understanding the complex pathways that lead from these conditions to epigenetic marker changes to poor outcomes in the realms of sleep, depression and anxiety. By identifying the role of epigenetics in these processes, this study will potentially contribute to developing innovative, preventive and ameliorative interventions to reduce these disparities.

1. Danny R01
2. Marianthi R01

**EDUCATIONAL CONTRIBUTIONS**

*Direct Teaching/Precepting/Supervising*

* P8785: “Qualitative Research Design in Public Health”

*Instructor*, Department of Sociomedical Sciences, MSPH, Columbia University

Taught: Fall 2011; Spring 2012; Fall 2012; Fall 2014; Spring 2016; Fall 2016; Spring 2017

* P8782 “Applied Qualitative Data Analysis with Atlas.ti”\*

*Instructor*, Department of Sociomedical Sciences, MSPH, Columbia University

Taught:Fall 2013; \*Original Course developed for SMS

* “Health Disparities and Cultural Competence”

*Instructor*, Summer Public Health Scholars Program, Office of Diversity - College of Physicians & Surgeons, Columbia University Medical Center

Taught: Summer 2012; Summer 2013

* NMED K4300: Research Methods in Narrative Medicine”

*Instructor*, Department of Narrative Medicine, School of Continuing Education, Columbia University

Taught: Spring 2012

* “Medical Sociology: Theory, Research & Critical Perspectives in Sociology of Health & Illness”

*Instructor*, Intensive Course for STAR Program, Hanoi Medical University, Vietnam

Taught: Spring 2011

* PAM 337: “Race and Ethnic Differentiation”

*Teaching Assistant*, Department of Policy Analysis and Management, Cornell University

Taught: Spring 2008

* SOC 217: “Race and Ethnic Relations”

*Adjunct Lecturer,* Department of Sociology, Hunter College, CUNY

Taught: Summer 2005

* “Race, Racism and the Law in the U.S.”

*Instructor,* Graduate Student School Outreach Program, Cornell University

Charles O. Dickerson High School, Trumansburg, NY- Spring 2005

* SOC 265: “Latinos in the USA”

*Teaching Assistant,* Department of Sociology, Cornell University- Spring 2005

* SOC 101: “Introduction to Sociology”

*Teaching Assistant,* Department of Sociology, Cornell University- Fall 2004

* GOV 210: “Race in the United States and at Cornell University”

*Teaching Assistant*, Government Department, Cornell University- Spring 2004

* “SOC 101: “Introduction to Sociology”

*Teaching Assistant,* Department of Sociology, Cornell University- Fall 2003

*Guest Lectures*

* “Introduction to Sociology Research Methods” Lehman College- CUNY; Department of Sociology; Instructor: Jennifer Laird, Fall 2018
* “Building Energy Workshop” Columbia University- Masters of Sustainability Management; Instructor: Lynnette Widder, Spring 2018
* “Energy Justice” School of Environment and Sustainability, University of Michigan. Instructor: Tony Reames, Fall 2017
* “Energy and Equity” Global Inequality Research Initiative, Duke University. Instructor: William Darity Fall 2016
* “Foundations of Environmental Health” School of Public Health, Boston University. Instructor: Madeleine Scammell, Summer 2015

*Student Advising and Mentorship*

**Doctoral Dissertation Committee Service**

* Stephanie Grilo, Dissertation Committee Sponsor, “Re-thinking Race Among Adolescents in a Multiracial Generation: An Emerging Research and Public Health Approach to Identity and Health” 2017- 2019
* Alejandra Aguirre, Dissertation Committee Member, “Community Integration among Latino Stroke Survivors: An ecological framework” 2013- 2018
* Ana Stefanick, Dissertation Committee Member, "If I stay by myself, I feel safer": Dilemmas of Social Connectedness among Persons with Psychiatric Disabilities in Housing First” 2014
* Kristin McCarthy, Dissertation Committee Member, “Social Capital and Health: A
* multidimensional approach” 2012-13

**Doctoral Student Mentor/Research Advisor**

* Tiana Moore, research mentor, Teacher’s College, 2017-present
* Carlos Gould, pre-dissertation advisor and IMSD mentor, Environmental Health Science Department, 2016- 2018
* Eva Siegel, research mentor, Epidemiology Department, 2015- 2019
* Daniel Carrión, pre-dissertation advisor and IMSD mentor, Environmental Health Science Department, 2014- 2019
* Brennan Rhodes-Bratton, pre-dissertation advisor and IMSD mentor, Sociomedical Sciences Department, 2012-2015

**Master’s Students Thesis Sponsorships**

2019

* Diana Ballesteros Gonzalez- “Examining Physical Activity among Adult Mexican Immigrants In New York City”
* Amelia Edwards- “Bringing Emergency Food Assistance Programs into the 21st Century: An examination of the potential for a digitally-based food delivery service to augment food pantries and decrease food insecurity rates”
* Deanna Jiang- “Renovating Healthcare Settings: Does it Benefit Everyone?”
* Julia Keim- “Empire State of Mind: An Exploration of Policy-Level Initiatives in New York City to Support Mental Health through the Built Environment”

2018

* Carolyn Swope- "Housing as a Determinant of Health Equity: A Conceptual Model."
	+ Recipient of the Department’s 2018 *Distinguished Master’s Thesis Award;* Results were published in *American Journal of Public Health* (2019) and *Social Science and Medicine* (2019)

2017

* Tim Le- “Understanding the social characteristics of air pollution: A Case study of New York City’s Clean Heat Program”
* Sydney Joyner- “Primary healthcare utilization in New York City: Understanding the geographic, personal, and interpersonal barriers to primary healthcare in NYC”
* Mayra Lemus Rangel- “SES, Maternal Mental Health and Stress: Examining the Effects on Mother’s Language Output”
* Nicholas Woo- “Adverse Childhood Experiences: A Literature Review of the Health Implications of Adverse Childhood Experiences and the Promise of School-Based Interventions”
* Caitlin Zuehlke- “Foundations for a Safe Future: An exploration of foundation-based grants for childhood trauma initiatives in New York City”

2016

* Cindi Azuogu- Harm Reduction & Proactive Smoke-Free Housing Policies: A Report on a Framework for Health Promotion in Multi-Unit Housing”
* Thana-Ashley Charles- “An evaluation proposal for the implementation of Rental Assistance Demonstration in New York City”
* Kara Dimon- “An Analysis of the U.S. Juvenile Justice System”
* Natalie Joseph-Pauline- “Waste Management and Environmental Justice: A case study in New York City”
* Charles Liriano- “Integrative Project: Case Study of Gail” [Teacher’s College]
* Mizuki Sato- “Flood-Risk Analysis of New York City Methadone Facilities: A Spatial Vulnerability and Disaster Preparedness Analysis”

2015

* Rick Aguilar. “Get it in: Branding Sexual Communication through Social Marketing and Educational Entertainment”
* Anne Celovsky. “Water Insecurity and Health Equity in the Developed World: Case Studies of Climate Change, Economic Inequality and Policy Impacts.”
* Carol Dreibelbis. “Eating at the Intersection of Health and Environmental Concerns: A Proposal for the Evaluation of SUNY Upstate Medical University’s Meatless Monday Program.”
* Sonia Duenas. “A review of Latino/a Entrepreneurship while Considering Factors Associated with Acculturation.”
* Praise Iyiewuare. “Black Women Sexual Violence, and Self-Perceptions: A Qualitative Study.”
* Celeste Russell. “Intervention Mapping: Reducing Stress by Reducing Household Energy Consumption.”

2014

* Jennifer Coico. “Food and the Environment.”
* Gloria Diaz, “Racial Identity and Food/Obesity among Black and Latino Youth”
* Megan Galeucia. “Food Justice: A new Public Health Paradigm.”
* Monica Khan, DREAM Project Diabetes among Bangladeshis in NYC (Thesis/Practicum)

2013

* Sarah Berk, “To Stay or Leave: A Grounded Theory study of Retention and Engagement in Home Visitation Programs”
* Yvonne Chang, “Family Support Among Formerly Incarcerated Women in the Bronx”
* Shintien Cheng, “Weapon of War: Understanding Sexual Violence in the Democratic Republic of Congo”

# Sasha Simon,“Group level interventions for African American females: A Literature Review”

2012

* Mallika Bhandarkar, “Who are we really helping? The role of gender in housing interventions in HIV treatment adherence for urban, HIV-positive populations with housing insecurity”
* Shula Melamed, “Self- Subjectification: Women and Pole Dancing” (Research Advisor)
* Margaret Wurth, “HIV Criminalization: A Review”
* Karent Zorogastua, “Barriers and Facilitators to Self-Management among Hispanic Patients with Severe Mental Health Illness and at Risk for Cardiovascular Disease”

**Master’s Student Practicum Advisor**

* Sonal Jessel, Population and Family Health, Mailman- 2018-2019
* Mandakini Mohindra, Population and Family Health, Mailman- 2017-2018
* Jamal Lewis, Environmental Health Sciences, Mailman- 2017-2018
* Paige Franklin, Sociomedical Sciences, Mailman- 2017-2018
* Eman Faris, Sociomedical Sciences, Mailman- 2017-2018
* Cindi Azuogu, Sociomedical Sciences, Mailman- 2015-2016
* Jennifer Coico, Environmental Health Sciences, Mailman, 2013-2014

**Undergraduate Student Research Practicum Advisor**

* Connor Yuwan- Yale University, Spring 2019
* Kristal Estrella- Barnard College 2018-2019
* Juan Gonzalez- Columbia College 2018-2019
* Miranda Simes- Columbia College 2018-2019
* Juan Gonzalez- Columbia University, Summer Public Health Scholars Program, 2018
* Karina Rosales- UC Berkeley, Summer Public Health Scholars Program, 2018
* Mark Iraheta- Cornell University, Summer Public Health Scholars Program, 2017
* Stephanie Michael- Summer Public Health Scholars Program, 2018
* Chanel Martinez- Barnard College 2017-2018
* Amenda Almonte- Lehman College, Summer Public Health Scholars Program, 2016
* Evanah Hill- Temple University, Summer Public Health Scholars Program, 2016
* Jamal Johnson- University at Albany, Summer Public Health Scholars Program, 2015
* Isaiah Wales- University of Washington, Summer Public Health Scholars Program, 2015
* Najeia Mention- Tufts University, Summer Public Health Scholars Program, 2014
* Marissa Robinson- Spelman College, Summer Public Health Scholars Program, 2013
* Janet Vidal- Skidmore College, Summer Public Health Scholars Program, 2013

*Instructional/Educational Materials used in Print or other Media*

* “Facilitating Focus Groups” 2013 <http://www.lowernysphtc.org/content/facilitating-focus-groups>

*Produced and starred in methods-related training aid on conducting focus groups*

* “Energy Insecurity” 2013 <http://vimeo.com/68167299>

*Mailman School faculty member Diana Hernández discusses a framework for understanding energy, the built environment, and health among vulnerable populations in the context of climate change.*

* “Latinas and HIV/AIDS: An Epidemic of Inequality” June 2012.

Mobilizing Latino/Hispanic Communities for the XIX International AIDS Conference,

National Latino AIDS Action Network.

<http://nlaan.org/wp-content/uploads/2012/06/4June2012_newsletter.pdf>

* “Atravez de Nuestros Ojos: A Video Report” 2011 <http://www.youtube.com/user/NASTAD1992>
* Post Exposure Prophylaxis in Pharmaceutical settings, Spanish language health promotion video

*Community Education*

**Community Events**

* Community Briefing: “Cosmetics, personal care products & women and children's health”
	+ Hosted at Schomburg Library January 2019 as part of NIEHS P30 CEC
* Invited Speaker: “Framing the Problem of Energy, Health and Justice” Philadelphia Energy Access Forum hosted by State Representative Emilio Vazquez, April 2018
* Resident meetings in over 20 affordable housing buildings to educate and inform tenants about the harms of second and third hand smoke in multiple unit housing

**Contributions to Popular Press**

* *NY Daily News*: Diana Hernández (2015) “Legionnaires’ deaths are just a symptom: Underlying health problems facing South Bronx residents make outbreaks like this one likelier and deadlier” <http://www.nydailynews.com/opinion/diana-hernandez-legionnaires-deaths-symptom-article-1.2322379>
* *Huffington Post*: Hernandez, D., & Borges, E. (2015). “NY Battles Legionnaires': Poverty Wins War” [http://www.huffingtonpost.com/diana-hernandez/ny-battles-legionnaires p\_b\_8012774.html](http://www.huffingtonpost.com/diana-hernandez/ny-battles-legionnaires%20p_b_8012774.html)
* *TEDMED* Diana Hernández (2015) “It Starts at Home: Making Health a Shared Value in Housing” <http://blog.tedmed.com/it-starts-at-home-making-health-a-shared-value-in-housing/>

**Media Coverage - Print**

* *NY Times* (2019). “Poverty Impacts Access to Health Care. These Women Are Trying to Change That.” <https://www.nytimes.com/2019/11/19/health/women-health-care-access.html>
* CityLab (2019). “Why the Bay Area Is Having a Massive Power Outage.” <https://www.citylab.com/environment/2019/10/california-power-outage-pge-shut-off-map-electric-grid/599749/>
* Gatehouse News (2019). “Hostage to Heat” <https://gatehousenews.com/hostagetoheat/>
* Public Health Post. (2019). Is Energy Insecurity Making Us Sick? <https://www.publichealthpost.org/research/is-energy-insecurity-making-us-sick/>
* ShelterForce (2018). “A Bad Mix: Utility Shut-Offs and Chronic Illnesses” <https://shelterforce.org/2018/07/12/a-bad-mix-utility-shut-offs-and-chronic-illnesses/>
* Mailman Newsletter. Transmission. (2018). “Power Dynamic: Energy Insecurity and Health.” <https://www.mailman.columbia.edu/public-health-now/news/power-dynamic-energy-insecurity-and-health>
* Public Health Post. (2018). “Pathways to Stress: The Problem Starts at Home.” <https://www.publichealthpost.org/research/pathways-stress-problem-starts-home/>
* Azavea Blog (2018). “Geospatial Analysis of Utility Insecurity in Philadelphia” <https://www.azavea.com/blog/2018/09/19/understanding-utility-insecurity-the-case-of-the-missing-data/>
* *WBUR* (NPR- Boston) (2016) “Study Of Boston Families In Poverty Finds 'Energy Insecurity' Can Also Bring Health Woes — From Asthma To Anxiety” <http://www.wbur.org/bostonomix/2016/09/12/energy-insecurity-health-effects>
* *CityLab*(2016) “Among the Powerless” <http://www.citylab.com/politics/2016/09/among-the-powerless/500261/>
* *Consumer Affairs* (2016). “Cold winter focuses attention on new 'energy crisis' <http://www.consumeraffairs.com/news/cold-winter-focuses-attention-on-new-energy-crisis->
* 022014.html
* *Broadly*(2016) “The Cost of High Utility Bills Is Mental Health” <https://broadly.vice.com/en_us/article/the-cost-of-high-utility-bills-is-mental-health>
* *Healthday* (2016) “High Utility Bills Strain More Than the Budget” <https://consumer.healthday.com/public-health-information-30/economic-status-health-news-224/high-utility-bills-strain-more-than-the-budget-714611.html>
* *LIHEAP* (2016) LIHEAP News Wrap-Up <http://liheap.org/september-2016-liheap-news-wrap-up/>
* *Medium*(2016) “The Poison of Poverty” [https://medium.com/@idxr/the-poison-of-poverty-111826ac2d2a#.peyw4zqea](https://medium.com/%40idxr/the-poison-of-poverty-111826ac2d2a#.peyw4zqea)
* *Transmission, Mailman School of Public Health* (2016) “Diana Hernández Brings It All Home” <https://www.mailman.columbia.edu/public-health-now/news/diana-hern%C3%A1ndez-brings-it-all-home>
* *National Low Income Housing Coalition* (2016) Medical Legal Partnership Interventions Improve Access to Safe, Decent, Affordable Housing. <http://nlihc.org/article/medical-legal-partnership-interventions-improve-access-safe-decent-affordable-housing>
* *NIEHS* (2016) Our Healthy Homes Work <https://www.niehs.nih.gov/research/supported/translational/peph/assets/docs/our_healthy_homes_work_508.pdf>
* *Statnews* (2015) “Diana Hernández: Promoting better health through better housing” <https://www.statnews.com/2015/12/05/diana-hernandez/>
* *Los Angeles Times* (2015) “Residents of low-income South Bronx want reassurance amid Legionnaire's disease crisis” <http://www.latimes.com/nation/la-na-legionnaires-bronx-20150813-story.html>
* *Model D Media* (2015). “Exploring the public health consequences of Detroit's water shutoffs.” <http://www.modeldmedia.com/features/water-shut-offs-100615.aspx>
* *Market Business News* (2014). Energy insecurity new concerns during cold snap. <http://marketbusinessnews.com/energy-insecurity-new-concerns-cold-snap/12333>
* *Eureka Alert* (2014). Amidst bitter cold and rising energy costs, new concerns about energy insecurity.
* <https://www.eurekalert.org/pub_releases/2014-02/cums-abc021314.php>

**Media Coverage- Television**

* *NY1 Noticias****:***La comunidad latina es la que más acude al hospital por el asma en NY

<http://www.ny1noticias.com/nyc/twc-ny1-noticias/noticias/2015/12/10/la-comunidad-latina-es-la-que-m-s-acude-al-hospital-por-el-asma-en-ny.html>

* *Bronx Talk 8/17/2015* <http://www.bronxnet.org/tv/viewvideo/5968/bronxtalk/bronxtalk--august-17th-2015>
* *NY1 8/11/2015 “*Experts Say South Bronx's Poor Health Caused Area to Be Hit Hard by Legionnaires” <http://www.ny1.com/nyc/bronx/news/2015/08/11/experts-say-south-bronx-s-poor-health-caused-area-to-be-hit-hard-by-legionnaires-.html>

**Media Coverage- Radio**

* *NPR*(2017)Public Health Minute with Bill Latimer, PhD MPH “Energy Insecurity”

<http://www.npr.org/podcasts/490333204/public-health-minute/partials?start=placeholder>

* *WNYC* (NPR-NYC) (2016) “Returning to Mott Haven and the South Bronx” <http://www.wnyc.org/story/returning-mott-haven-south-bronx/>
* *BBC*9/23/2015 “Live from South Bronx, NYC”

<http://www.bbc.co.uk/programmes/p032q0md#play>

* *State of opportunity* (2016) "Energy insecurity" can have negative health consequences for families in poverty” <http://stateofopportunity.michiganradio.org/post/energy-insecurity-can-have-negative-health-consequences-families-poverty>

**Media Coverage- Internet**

* *OZY**MEDIA* (2017) “Bronx Tales I: Defining Success in New York’s Most Maligned Borough”

<http://www.ozy.com/pov/bronx-tales-i-defining-success-in-new-yorks-most-maligned-borough/76230>

* “Bronx Tales IV: Success Depends on What you Value”

<http://www.ozy.com/pov/bronx-tales-iv-success-depends-on-what-you-value/76233>

* *Latinas Think Big* (2016) “Latinas Think Big Exchange in NYC features Diana Hernández” <https://www.latinasthinkbig.com/event/latina-think-big-exchange-nyc/>

**PUBLICATIONS**

**A. Peer-Reviewed Research Publications**

A1. Jessel, S., Sawyer, S. and **Hernandez, D.** (2019) “Energy, Poverty, Health and Climate Change: A Comprehensive Review of an Emerging Literature” [In Press at *Frontiers in Public Health*]

*Note: This manuscript is based on Sonal Jessel’s MPH ’19 (Pop Fam) capstone project which I supervised. This paper has been presented at the Improving Residential Energy Efficiency Conference in Brisbane, Australia in 2019.*

A2. Swope, C and **Hernández, D.** (2019) “Housing as a Determinant of Health Equity: A Conceptual Model” *Social Science and Medicine*. [Accepted, In Press] https://doi.org/10.1016/j.socscimed.2019.112571

 *Note: This paper is based on Carolyn Swope’s award-winning thesis that I supervised. I served as senior author on the manuscript and was instrumental in the conceptual design of the work*.

A3. **Hernández, D**, and Swope, C. (2019) “Housing as a Platform for Health and Equity: Evidence and Future Directions” *American Journal of Public Health*. doi: 10.2105/AJPH.2019.305210

A4. **Hernández, D**, Moore, T. Lazzeroni, S. and Nguyen, U. (2019) “The ‘projects’ are nice now: Public Housing Residents’ Perspectives on the Rental Assistance Demonstration (RAD) Program” *Housing Policy Debate.* https://doi.org/10.1080/10511482.2019.1586746

A5. **Hernández, D**, Hutchinson, C., Brooks-Gunn, J., Petitclerc, A. (2019) “Client attrition in the Nurse-Family Partnership®: Revisiting metrics of impact in a home visitation program in the United States” *Health and Social Care in the Community*. doi: 10.1111/hsc.12748

A6. Lewis, J, **Hernández, D** and Geronimous, A. (2019) “Energy Efficiency as Energy Justice: Addressing Racial Inequities through Investments in People and Places” *Energy Efficiency* [Special Issue from the American Council for an Energy Efficient Economy’s Summer Study] [Accepted, In Press]

*Note: I originated the concept for this paper. As noted in the publication, first-authorship is shared with former MPH student Jamal Lewis.*

A7. **Hernández, D**. (2019) “Housing-based Interventions: Harnessing the Social Utility of Housing to Promote Health” *American Journal of Public Health* [Special Issue on ‘Innovations in Health Promotion’] Feb;109(S2): S135-S136. doi: 10.2105/AJPH.2018.304914.

A8. **Hernández, D**, Swope, C., Azuogu, C., Siegel, E., Giovenco, D. (2019) “‘If I pay rent, I’m gonna smoke:’ Insights on the social contract of smoke-free housing policy implementation in affordable housing settings” *Health & Place. Feb 1; 56:106-117.* doi: 10.1016/j.healthplace.2019.01.007.

A9. **Hernández, D**., Siegel E. (2019) “Energy Insecurity and its Ill Health Effects: A Community Perspective in New York City” *Energy Research and Social Science.* pp. 78-83 <https://doi.org/10.1016/j.erss.2018.08.011>

A10. Hilpert M., Johnson, M., Kioumourtzoglou, M., Domingo-Relloso, A., Peters, A., Adria-Mora1, B., **Hernández, D**., Ross, J. Chillrud, S. (2019) “A New Approach for Inferring Traffic-Related Air Pollution: Use of Radar-calibrated Crowd-Sourced Traffic Data” Journal: *Environmental International.* https://doi.org/10.1016/j.envint.2019.03.026

*Note: I connected the community partner (South Bronx Unite) to the lead investigator on this study. We conceptualized the project together. I contributed to the interpretation of results from a translational perspective and reviewed drafts of the manuscript.*

A11. Aratani, Y., Lazzeroni, S., Brooks-Gunn, J., and **Hernández, D**. (2018) “Housing Subsidies and Early Childhood Development” *Housing Policy Debate.* 2019<https://doi.org/10.1080/10511482.2018.1515099>

*Note: I helped to conceptualize this review and collaborated in drafting and revising the manuscript for intellectual content.*

A12. **Hernández, D**., Chang, D., Hutchinson, C., Hill, E., Almonte, A., Burns, R., Shepard, P., Gonzalez, I., Reissig, N. and Evans, D. (2018) “Public Housing on the Periphery: Vulnerable Residents and Depleted Resilience Reserves post-Hurricane Sandy.” *Journal of Urban Health pp.1*-13. doi: 10.1007/s11524-018-0280-4

A13. Giovenco, D., Spillane, T., Mauro, C. and **Hernández, D**. (2018) "Evaluating the impact and equity of a tobacco-free pharmacy law on retailer density in New York City neighborhoods" *Tobacco Control*. http://dx.doi.org/10.1136/tobaccocontrol-2018-054463

A14. Gould, C. F., Chillrud, S. N., Phillips, D., Perzanowski, M. S., & **Hernández, D**. (2018). “Soot and the city: Evaluating the impacts of Clean Heat policies on indoor/outdoor air quality in New York City apartments.” *PloS one*, *13*(6), e0199783-e0199783.

*Note: I am the principal investigator on this study and mentored Mr. Gould, a doctoral student in EHS in the data analysis and write-up of the manuscript.*

A15. Fernandez, C., Jiang, Y., Aratani, Y., **Hernández, D**. (2018) “Dual Food and Energy Hardship and Associated Child Behavior Problems” *Academic* *Pediatrics.* https://doi.org/10.1016/j.acap.2018.07.002.

*Note: I mentored the primary author in the design and conceptualization of this study and collaborated in the writing of the manuscript.*

A16. **Hernández, D**. (2018). “What ‘Merle’ Taught Me About Energy Insecurity And Health.” *Health Affairs*, *37*(3), 504-507.

A17. Carrion D., Lee, V., and **Hernández, D**. (2018) “Residual Inequity: Assessing the unintended consequences of New York City’s clean heat transition.” *International Journal of Environmental Research and Public Health.* Special Issue *“Environmental Justice Research: Contemporary Issues and Emerging Topics.”* 15(1), 117.

*Note: I am the principal investigator on this study and mentored Mr. Carrion, a doctoral student in EHS and Dr. Lee a postdoc in the data analysis and write-up of the manuscript.*

A18. **Hernández, D**., Castellón, P., Fernández, Y., Cardona, F., Miranda de Leon, S., Vargas Vidot, J., Schackman Be, Rodriguez, A., Feaster, D., Santana Bagur, J., Metsch, L. (2017) “When “the cure” is the risk: Understanding how substance use impacts HIV and HCV in a layered risk environment in San Juan, Puerto Rico.” *Health Education & Behavior,* 44(5), 748-757.

A19. Leff, J. A., **Hernández, D.**, Teixeira, P. A., Castellón, P. C., Feaster, D. J., Rodriguez, A. E., ... & Schackman, B. R. (2017). “The structural and health policy environment for delivering integrated HIV and substance use disorder treatments in Puerto Rico.” *BMC health services research*, 17(1), 232.

*Note: I designed the qualitative aim of a broader study on which this paper is based. I also conducted the interviews and helped guide the analysis and interpretation of data. In addition I participated in drafting and revising the intellectual content of the manuscript.*

A20. **Hernández, D**. (2016). “Understanding ‘energy insecurity’ and why it matters to health.” *Social*

*Science & Medicine*, *167*, 1-10. doi:10.1016/j.socscimed.2016.08.029.

A21. **Hernández, D**., Phillips, D., & Siegel, E. L. (2016). “Exploring the housing and household energy pathways to stress: a mixed methods study.” *International journal of environmental research and public health*, *13*(9), 916. doi: 10.3390/ijerph13090916.

A22. **Hernández, D**. (2016) Clean Heat: A technical response to a policy innovation. *Cityscape. A Journal of Policy Development and Research.* 18(3)277-282*.*

A23. Frimpong, J. A., D’Aunno, T., Perlman, D. C., Strauss, S. M., Mallow, A., **Hernández, D**., ... &

Metsch, L. R. (2016). “On-site bundled rapid HIV/HCV testing in substance use disorder

treatment programs: study protocol for a hybrid design randomized controlled trial.” *Trials*, *17*(1), 1. doi: 10.1186/s13063-016-1225-4.

*Note: I designed the qualitative aim of this clinical trial and wrote up its description in this protocol paper.*

A24. **Hernández, D**., Jiang, Y., Carrión, D., Phillips, D., & Aratani, Y. (2016). “Housing hardship and

 energy insecurity among native-born and immigrant low-income families with children in the

 United States.” *Journal of Children and Poverty*, 1-15. doi:10.1080/10796126.2016.1148672.

A25. **Hernández, D.** (2016). “‘Extra oomph:’ addressing housing disparities through Medical Legal

Partnership interventions.” *Housing Studies*, 31(7), 871-890.

A26. **Hernández, D**. (2016). “Affording housing at the expense of health: Exploring the Housing and

Neighborhood Strategies of Poor Families.”*Journal of Family Issues, 37*(7), 921-946. doi:10.1177/0192513X14530970.

A27. **Hernández, D.**, Feaster, D. J., Gooden, L., Douaihy, A., Mandler, R., Erickson, S. J... & Metsch,

L. (2016). “Self-Reported HIV and HCV screening rates and serostatus among substance abuse treatment patients.” *AIDS and Behavior*, *20*(1), 204-214. doi:10.1007/s10461-015-1074-2.

A28. **Hernández, D**. (2015). Sacrifice along the energy continuum: a call for energy justice.

*Environmental Justice*, *8*(4), 151-156. doi:10.1089/env.2015.0015.

A29. **Hernández, D**., & Phillips, D. (2015). Benefit or burden? Perceptions of energy efficiency efforts

among low-income housing residents in New York City.*Energy Research & Social Science, 8*, 52-59. doi:http://dx.doi.org/10.1016/j.erss.2015.04.010.

A30. Valera, P., Chang, Y., **Hernández, D**., & Cooper, J. (2015). Exploring kinship and social support in women with criminal justice backgrounds.*Journal of Offender Rehabilitation, 54*(4), 278-295.

 doi:10.1080/10509674.2015.1025178

*Note: This paper is based on Chang’s master’s thesis which I supervised. I assisted in the conceptual development of this manuscript and participated in the analysis and interpretation of results.*

A31. **Hernández, D**., Carrión, D., Perotte, A., & Fullilove, R. (2014). Public health entrepreneurs:

Training the next generation of public health innovators.*Public Health Reports (Washington, D.C.:1974), 129*(6), 477-481. Retrieved from <http://europepmc.org/abstract/MED/25364047>

A32. Fuller, C. M., Turner, A. K., **Hernández, D**., Rivera, A. V., Amesty, S., Lewis, M. D., & Feldman, S. (2013). Attitudes toward web application supporting pharmacist–clinician comanagement of postexposure prophylaxis patients. *Journal of the American Pharmacists Association, 53*(6), 632-639. doi: http://dx.doi.org/10.1331/JAPhA.2013.12208.

*Note: I helped analyze and interpret the qualitative data and participated in drafting the manuscript and revising the intellectual content of this manuscript.*

A33. **Hernández, D**. (2013). Energy insecurity: A framework for understanding energy, the built environment, and health among vulnerable populations in the context of climate change. *Am J Public Health, 103*(4), e32-e34. doi:10.2105/AJPH.2012.301179

A34. Bird, S., & **Hernández, D**. (2012). Policy options for the split incentive: Increasing energy efficiency for low-income renters. *Energy Policy, 48*, 506-514. doi:http://dx.doi.org/10.1016/j.enpol.2012.05.053.

*Note: Dr. Bird and I contributed equally to the development of this paper, though we are co-first authors, we agreed to list the authors alphabetically.*

A35. **Hernández, D**., Weinstein, H., & Muñoz-Laboy, M. (2012). Youth perspectives on the

intersections of violence, gender, and hip-hop. *Youth & Society, 44*(4), 587-608. doi:10.1177/0044118X11408746

A36. **Hernández D** (2012) Energy Insecurity: Understanding Energy, the Built Environment and Health. J Community Med Health Educ 2:e112. doi: 10.4172/2161-0711.1000e112

A37. **Hernández, D**. and Bird, S. (2010), Energy Burden and the Need for Integrated Low-Income

Housing and Energy Policy. Poverty & Public Policy, 2: 5–25. doi:10.2202/1944-2858.1095.

A38. **Hernández, D**. (2010). “I’m gonna call my lawyer:” shifting legal consciousness at the intersection of inequality. In *Special Issue Interdisciplinary Legal Studies: The Next Generation* (pp. 95–121). doi:10.1108/s1059-4337(2010)0000051007.

**B. Reviews, Chapters, Monographs and Editorials**

B1. **Hernandez, D.** “Poor Families, housing and health” *Focus*- Institute for Research on Poverty. Fall Winter (2016/2017) https://www.irp.wisc.edu/wp/wp-content/uploads/2018/11/foc331e.pdf

B2. **Hernandez, D.** Bhandakar, Mallika and Aidala, Angela. “Housing as HIV Prevention” Encyclopedia of AIDS. 2017.

B3. Rivera Colón, E., Muñoz-Laboy, M., & **Hernández, D**. “Clean Sweeps & Social Control in Latino Bisexual Male Sex Markets in New York City” In HIV Prevention with Latinos: Theory, Research, and Practice. Edited by Kurt C. Organista. New York: Oxford Press. 2012

*Role on paper: I conducted the interviews and helped guide the analysis and interpretation of data. In addition I assisted in drafting and revising the manuscript for intellectual content.*

**C. Case Reports and Policy Briefs**

C1. **Hernández, D.**, Aratani, Y. and Jiang, Y. “Energy Insecurity among Families with Children.” New York: National Center for Children in Poverty. Columbia University Mailman School of Public Health 2014. <http://www.nccp.org/publications/pub_1086.html>

C2. **Hernández, D.** and Villanueva, A. 2012. “Initiative on AIDS in Hispanic Communities: Evaluation Findings for Activities Related to Increasing Access and Presence of Latinos at the XIX International AIDS Conference.” Washington, DC: Office of AIDS Research and Social Scientific Systems, Inc.

C3. Petitclerc, A, Senter, L., **Hernández, D.**, Topper, S., Kwon, M., Olds, D. and Brooks-Gunn, J. “Providing Services to High-Risk Mothers and Infants: A Qualitative Study of Nurses’ Experiences in New York City’s Targeted Citywide Initiative.” Report to New York City Department of Health and Mental Hygiene. 2012

C4. Ruiz, F., **Hernández, D.**, Rivera Colón, E. 2011. “Atravez de Nuestros Ojos, Through Our Eyes: Promoting Health and Social Equity to Address HIV/AIDS among Latino Gay Men.” Washington DC: National Alliance of State and Territorial AIDS Directors.

C5. **Hernández, D**.2005. *“*Mediating Spatial Mismatch: A Case Study on Facilitating Job Access for Inner-City Residents through Suburban Employment” Bronx, NY: Job Access Center and Urban Scholars Program (also Master’s Thesis).

**D. Unpublished Manuscripts and Works in Progress**

D1. Mango, M and **Hernández, D.** “Resilient Power: Solutions to address climate-related power outages for medically vulnerable populations” [Revise and Resubmit at *Environmental Justice*]

D2. Grilo SA, Santelli JS, Klein JK, Li B, Liu Y, Urqhuart G, Gorzkowski J, Kaseeska K, **Hernández D**, Catallozzi M. “Adolescent and Young Adult Risk Behaviors: Are Youth who Identify as Multiracial Riskier than their Single-race Peers?” [Under Review at *Journal of* *Adolescent Health]*

*Note: This manuscript is based on Stephanie Grilo’s dissertation which I sponsored..*

D2. **Hernández, D.,** Swope, Carolyn, Burns, Rachel, Tang, Sammie, Liang, Carol. “Optimizing Digital Health: A Framework for Delivering on Technology's Promise to Improve Public Health. [Under Review at *Digital Health*]

*Note: I conceptualized this commentary and mentored MPH students (Swope, Tang and Liang) in the drafting and revising the manuscript.*

D5. Jenkins, Kirsten, Stephens, J, Reames, T and Hernández, D. “Enhancing an impactful agenda for energy justice research” [Under Review at *Energy Research and Social Science*]

D6. **Hernández, D** and Laird, Jennifer. "Disconnected: Estimating the National Prevalence of Utility Shut-offs and Related Coping Strategies" [Target journal: *Social Problems*]

 *Note: This paper is the first known study to estimate the national prevalence of utility disconnections in the US. It has been presented at the 2019 Annual Conferences of the American Sociological Association and American Public Health Association*.

D7. **Hernández, D**. Pan, Y., Graves, K., Cardenas, G., Miranda de León, S., Davila-Torres, G., Rodriguez A., Yanez, I., Maisonet Alejandro, M., Calderón Alicea, W., Meléndez, Héctor, Gooden, L., Feaster, D., Metsch, L., and Santana-Bagur, J. “Hurricane Maria’s Viral Impact: HIV Care Outcomes Among Substance Users in Puerto Rico Following Hurricane Maria” [Target journal: American Journal of Public Health]

*Note: This paper estimates the impact of HIV care outcomes among cohort of people living in with HIV that use drugs after Hurricane Maria. It has been presented at the 2019 Annual Conferences of Conference on Retroviruses and Opportunistic Infections (abstract) and the Puerto Rico Meeting on Hepatitis and HIV, San Juan, Puerto Rico (oral presentation).*

D8. **Hernández, D.**, Lewis J. and Arline Geronmimus. "“De-weathering” through Weatherization: A Conceptual Application of the Weathering Hypothesis to the Energy Insecurity and Stress Nexus" [Target journal: Environmental Health Perspectives]

*Note: This paper has been presented at the Improving Residential Energy Efficiency Conference in Brisbane, Australia in 2019 and parts of it were presented at the American Council for an Energy Efficient Economy’s 2018 Summer Study.*

**CONFERENCES AND WORKSHOPS ORGANIZED**

1. “Energy, Health, and Justice: A Select Convening of Stakeholders.” Lead organizer, host and keynote speaker. Sponsored by the Community Engagement Core, Center for Environmental Health in Northern Manhattan and WE ACT for Environmental Justice. Held at Environmental Protection Agency, Region 2 Headquarters in New York City on September 30, 2019.
2. “Water Design Challenge: Addressing the Inequalities of Lead in Drinking Water” Columbia University-wide Initiative led by Center for Environmental Health in Northern Manhattan, Community Engagement Core, Columbia Design Studio November 15-16, 2019
3. “Environment, Energy and Health Conference” hosted by the American Council for an Energy Efficient Economy (Steering Committee member and research advisory board member) New Orleans, December, 2018.
4. “Struggling to Keep the Lights on: Understanding Why ‘Energy Insecurity’ Matters for Health and Equity in the US.” Organizer and host of the event. Sponsored by the Center on Global Energy Policy's Women in Energy program, March 23, 2017
5. “Housing and Health Mini-Conference” at the Mailman School of Public Health. Sponsored by the JPB Environmental Health Fellowship. April, 2016
6. “The Bronx Community Activation Dinner.” Organizer and Host. Sponsored by Robert Wood Johnson Foundation and TEDMED. Held at Metropolitan College of New York, October, 2015
7. “New York City Healthy Homes Summit.” Sponsored and led by Center for Environmental Health in Northern Manhattan, Community Engagement Core and WE ACT for Environmental Justice. (Steering Committee member and Presenter). September, 2015

**PRESENTATIONS**

1. Invited Panelist. “The Green New Deal: A Public Assembly” Co-hosted by the Queens Museum, the Temple Hoyne Buell Center for the Study of American Architecture at Columbia University, together with the American Institute of Architects New York, the Architecture Lobby, Francisco J. Casablanca (¿Quién Nos Representa?), and Gabriel Hernandez Solano. November 17, 2019
2. Keynote Speaker. “Building Equity: Lessons in Sustainability from Community to College Campuses.” The World Town Planning Day, Georgia Tech University. November 8, 2019.
3. Presenter, "Disconnected: Estimating the National Prevalence of Utility Disconnections and Related Coping Strategies" (Abstract, 449745), American Public Health Association. Oral Presentation. November 2019
4. Presenter, "‘If I pay rent, I’m gonna smoke’: Insights on the social contract of smokefree housing policy in affordable housing settings" (Abstract, 449741) American Public Health Association. Round Table Presentation. November 2019
5. Presenter, "“De-weathering” through Weatherization: A Conceptual Application of the Weathering Hypothesis to the Energy Insecurity and Stress Nexus" (Abstract, 449722), American Public Health Association. Round Table Presentation. November 2019
6. Invited Speaker. “Power to the People: Uncovering America’s hidden Energy Crisis.” Institute at Brown for the Environment and Society (IBES) Lunchtime Seminar Series. Brown Univerity. October 24, 2019
7. Invited Participant. “Economic Justice Scholar Network Roundtable” Co-hosted by the Brookings Institure and The Kirwan Institute for the Study of Race and Ethnicity at The Ohio State University. September 2019.
8. Invited Participant. “Social Determinants of Health: Business Perspectives and Opportunities for Impact” World Economic Forum’s Working Meeting. September 2019.
9. Invited Speaker, “Power to the People: Uncovering America’s Hidden Energy Crisis” University of Texas-Austin, September 2019
10. Invited Speaker, “Power to the People: Exposing America’s Hidden Energy Crisis in the Bronx”

Lehman College Annual Sociology Colloquium, September 2019.

1. Presenter, “Disconnected: Estimating the National Prevalence of Utility Disconnections and Related Coping Strategies” American Sociological Association, Poverty Session, August 2019
2. Presenter, “Hurricane Maria’s Viral Impact: HIV Care Outcomes among Substance Users in Puerto Rico Following Hurricane Maria.” Puerto Rico Meeting on Hepatitis and HIV, San Juan, Puerto Rico, August 2019
3. Participant and Presenter. Energy Justice Workshop, Indiana University, June 2019
4. Presenter, “Developing Data and Analysis in Support of Home Energy Security Programs and Policies,” Organized by the National Consumer Law Center. Chicago (virtual), June 2019
5. Presenter, “Developing Data and Analysis in Support of Home Energy Security Programs and Policies,” Organized by the National Consumer Law Center. Atlanta (in person), May 2019
6. Panelist, Energy Efficiency For All-Network for Energy Water and Health in Affordable Buildings, Annual Convening, May 2019.
7. Faculty Panelist. Housing New York: Policy Solutions towards Equity and Affordability- 5th Annual Policy Forum for Elected and Appointed Officials, Office of Government and Community Affairs, Columbia University, May 2019.
8. Presenter, Poverty and Power: Policy Gaps in Ensuring Energy Services for the Poor in the United States” Inequalities and Social Policies Conference, The Columbia Population Research Center's Crosscutting Primary Research Area Group, April 2019
9. Presenter, “De-weathering” through Weatherization: A Conceptual Application of the Weathering Hypothesis to the Energy Insecurity and Stress Nexus.” Improving Residential Energy Efficiency Conference, Brisbane, Australia, April 2019.
10. Presenter, “Energy, Poverty, and Health: A Conceptual Review of Dimensions, Applications, and Implications for Health.” Improving Residential Energy Efficiency Conference, Brisbane, Australia, April 2019.
11. Presenter, “Energy Justice Panel, Unitarian Universalist United Nations Office, United Nations Church, April 2019
12. Presenter, “Energy Insecurity and Health” Energy Markets: Poverty, Access, Security, and Justice Panel, New Horizons in Conservation Conference: *Diversity, Equity, and Justice.* April 2019*.*
13. Presenter, “Energy Insecurity, Justice and Health in the United States.” Elevate Energy, April 2019
14. Presenter, “Energy Insecurity and Energy Justice: Implications for the Green New Deal.” Green New Deal Dialogue: the Politics of Implementation of U.S. Climate Policy. Johns Hopkins University, March 2019
15. Presenter, Community Engagement Core- Collaborating and Translation Research to promote Environmental Health in Northern Manhattan. Interfaith Public Health Consortium, March, 2019
16. Presenter, “HIV Care Outcomes among Substance Users in Puerto Rico Following Hurricane Maria” Conference on Retroviruses and Opportunistic Infections (CROI) Annual Conference, March 2019.
17. Presenter, Energy Insecurity and Energy Justice: Intersections with the Black Experience in the US.” Black Solidarity Conference, Yale University, February 2019.

1. Panel Moderator, “Energy, Health and Social Equity” American Council for an Energy Efficient Economy, Conference on Health, Environment and Energy, New Orleans, December 2018
2. Moderator for Keynote Address. Social Enterprise Conference- “Capital for Good.” Columbia University. November 2018.
3. \*Panelist, Disease and Disparity: Realities of the Uneven Playing Field of Public Health. New York Academy of Medicine in Collaboration with the Museum of the City of New York. November 2018.
4. \*Invited Speaker, “Energy Insecurity and the Aged: Implications for Health Disparities Research and Social Policy” John Ruffin Health Disparities Research Seminar Series, Health Disparities Research Section, National Institute of Aging, November 2018
5. \*Invited Speaker, “Let there be Light: Energy, Health and Justice in the United States,” 50th Anniversary Food for Thought Lecture Series, Sociomedical Sciences, Columbia University, November 2018
6. Invited Speaker, “The Energy, Health and Justice Nexus: Insights from Big Data and the Frontlines in the US” Indiana University, October 2018
7. \*Invited Speaker, “Energy Justice and Community Health” Liam’s Legacy Symposium, Center for Serve, Learn, Sustain, Georgia Tech, September 2018
8. \*Presenter, “Creating Policy in the Grid Modernization Era with Equity in Mind” National Alliance of State Energy Officers (NASEO) Annual Conference, September 2018
9. Invited Speaker, “DE-weathering through Weatherization” Summer Study on Energy Efficiency in Buildings, American Council for an Energy Efficient Economy, August 2018
10. Panelist, “Affordable Housing/Multifamily Housing panel,” Centering Equity in the Sustainable Buildings Sector Summit, National Association for the Advancement of Colored People (NAACP), August 2018
11. \*Invited Speaker, “Understanding Energy Insecurity and Why it Matters to Health,” End Shut-offs for Healthy Communities Convening, The Utility Reform Network, San Francisco, California, May 2018
12. \*Invited Speaker, “Energy Insecurity in the US: Links to Health, Equity and Justice” Stanford Center on Poverty and Inequality, Stanford University, May 2018
13. Invited Panelist, “Energy Insecurity in the United States: New Estimate of Prevalence and Potential Policy Responses.” New Frontiers in Poverty Research Conference, Center on Poverty and Social Policy, Columbia University, May 2018
14. Invited Speaker: “Framing the Problem of Energy, Health and Justice” Philadelphia Energy Access Forum hosted by State Representative Emilio Vazquez, April 2018
15. \*Invited Speaker, “Energy Insecurity and Energy Justice: An Emerging Issue for Public Health” *Commissioner’s Brown Bag Lecture Series*, New York City Department of Health and Mental Hygiene, March 2018
16. Invited Speaker, “Energy Insecurity: Dimensions, Locations and Consequences on the Path to Energy Justice” Transformative Infrastructures: Second Energy Vulnerabilities and Pathways Symposium, University of Manchester, UK February 2018
17. \*Invited Speaker, “Energy Insecurity, Energy Justice” Presentation on Environmental Justice before the Value of Distributed Energy Resources and the Low and Moderate Income Customers Working Groups to inform the Reforming the Energy Vision, sponsored by New York State Energy Research and Development (NYSERDA), February 2018.
18. Featured Speaker, “Language Landscape: Energy Insecurity and Energy Justice” at Energy and Poverty Convening hosted by Elevate Energy, Chicago, January 2018.
19. Invited Speaker, “Understanding ‘Energy Insecurity’ and its Implications for Health and Equity” Dornsife School of Public Health, Drexel University, January 2018
20. Invited Speaker at Equity in Energy Convening: Aspirations and Principals for our Shared Future, Joyce Foundation, December 2017
21. \*Invited Panelist, “Cities Matter: the Role of Cities in Promoting Health” Columbia Population Research Center in partnership with the School of International Affairs, Columbia University, December 2017
22. Presenter, “Harm Reduction & Smoke-Free Housing Policies: A Report on a Framework for Health Promotion in South Bronx Multi-Unit Housing” American Public Health Association, Atlanta, GA November 2017
23. Presenter, “Assessing and Strengthening Post Storm Resilience in Public Housing: Hurricane Sandy” American Public Health Association, Atlanta, GA November 2017
24. Invited Speaker and Class Lecture, “Housing as a Venue for Health Interventions” and “Energy Insecurity in the US: Implications for Health and Justice along the Energy Continuum” Northeastern University, November 2017
25. Presenter “Developing your Elevator Pitch: Self-Branding with Confidence” Professional Development Series for Columbia Emerging Women’s Leadership Group, November 2017.
26. Invited Speaker, “Housing as a Venue for Legal Intervention” Wayne State Law School, October 2017
27. Discussant, “What is the joint contribution of environmental and social determinants of health in explaining health and disease over the life course? Building the field and identifying research priorities.” University of Albany, October 2017
28. \*Invited Speaker, “Clean Heat: Converting to Cleaner Burning Fuels in New York City” and “Energy Insecurity in the US: Implications for Health and Justice” University of Michigan, October 2017
29. Keynote Speaker, “A Bronx Tale: appreciating the Past, Investing in the Future” September 2017
30. \*Invited Speaker, “NYC Clean Health Policies: Exploring Impacts on the Environment, Health and Communities” in the *Reimaging Health in Cities: from Local to Global Conference*, Drexel University, September 2017
31. Invited Lecturer, “Housing as a Social Determinant of Health” Public Health Now Lecture sponsored by the Mailman Office of Student Affairs, August 2017.
32. Keynote Speaker. Summer Public Health Scholars Program, Final Ceremony, August 2017
33. \*Invited Speaker, “Energy Insecurity and Energy Justice” *Energy Justice Research Retreat*, University of St. Andrews, Scotland, June 2017
34. Invited Speaker, “Understanding ‘Energy Insecurity’ and its links to Mental Health among Vulnerable Populations.” Division of Behavioral Health Services and Policy Research, New York State Psychiatric Institute Seminar Series, May 2017
35. Invited Speaker, “Housing as a Venue for Public Health Intervention.” City University of New York- School of Public Health, May 2017
36. Invited Speaker. Chatham House Rule Roundtable with Diana Hernandez, Center for Global energy Policy, Columbia School of International Public Affairs, April 2017
37. \*Event Curator, Panel Moderator and Presenter. “Struggling to keep the lights on: Understanding why ‘energy insecurity’ matters for health and equity in the US” Conferences hosted by Columbia University’s Center for Global Energy Policy and its Women in Energy Initiative. With Dana Bourland, Dana Harmon and Daphany Sanchez as fellow panelists, March 2017
38. Panelist, “Keeping the South Bronx Affordable” WNYC Panel at the 4th Annual Bronx Gentrification Conference, March 2017
39. Invited Speaker, “What is ‘energy insecurity’ and why it matters to community health and social justice” University of Memphis, February 2017
40. Invited Speaker, “Power to the People: Tackling Energy Inequality through Clean Energy Solutions” Duke University’s Energy Initiative Speaker Series and Winter Forum, January 2017
41. Invited Speaker, “Understanding ‘energy insecurity’ and why it matters to health and equity” Duke University, September 2016
42. Speaker, “Smoke-free housing and the Social Contract” JPB Semi-annual workshop, New York City, July 2016.
43. \*Plenary Speaker, “Split Incentives in Low-Income Housing: Challenges and Solutions” Low-Income Forum on Energy (LIFE) 2016 Statewide Conference, May 2016.
44. \*Organizer and Presenter, “Energy Equity Housing and Health” and “Measuring Energy Insecurity” at the Housing and Health Mini-Conference, Mailman School of Public Health, April 2016.
45. Keynote Speaker, “Bronx Girl Turned Boss Lady” Latina Think Big Annual Event, March 2016.
46. Invited Speaker, “Energy Insecurity- Insights from the Ground Up” Energy Insecurity in Vulnerable Populations, Conference hosted by Scholars Strategy Network-Texas, housed at the University of Texas at Austin and the University of Houston in collaboration with Texas Energy Poverty Research Institute, February 2016.
47. Keynote Speaker, “Promoting better health through better housing” National Urban Fellows Annual Leadership Conference, Orlando, FL January 2016
48. Public Health Entrepreneurship and Social Impact, Mailman School of Public Health, Columbia University. November, 2015
49. Moderator, “INSIDE SCOOP: Social Enterprise Summer Fellowship,” Mailman School of Public Health, Columbia University. October, 2015
50. Grand Rounds speaker, “South Bronx Heath Disparities: An Insider’s Perspective.” Pediatrics Department, Lincoln Hospital. October 2015.
51. Moderator, “Housing and Health” Session at NEWHAB (Network of Energy Water and Health in Affordable Buildings) Annual Conference. Minneapolis MN. October 2015
52. Presenter, “Energy Insecurity as a social/public health opportunity and justice imperative” Mailman Faculty Innovation, mini-TED talk series. September 2015.
53. Keynote Speaker, “Navigating a Meaningful Career and Life” Summer Success Symposium, Cornell University, August 2015.
54. Presenter, “Prescribing Better Housing and Energy for Enhanced Health and Equity, Digame Mas student group seminar series, Columbia University Medical Center, August 2015
55. Featured Speaker, “Energy Insecurity: Understanding its Dimensions and Implications for Public Health” Health Disparities, Health Equity and Social Determinants of Health Log-in and Learn Webinar Series hosted by the Region 2 Public Health Training Center. June 2015.
56. Presenter, “Exploring Housing and Energy Hardship among Native Born and Immigrant Low-Income Families,” Panel: Transportation and housing #2: precariousness and social exclusions in Latin America and the United States. San Juan, PR May 2015
57. Presenter, “Converting to Cleaner Burning Fuel in Northern Manhattan,”NIEHS Center for Environmental Health in Northern Manhattan COEC Annual Stakeholder Meeting, April 2015
58. Presenter, Emerging Issues in Urban Planning: Ethno-Racial Intersections. Urban Affairs Association Annual Conference, Miami, FL April 2015.
59. Keynote speaker, “Energy Insecurity: Resilience and Vulnerability” Environmental Health and Justice Leadership Training. WE ACT, New York, NY March 2015
60. Presenter, "How Can We Improve Outcomes of Children Living in Public Housing Through RAD?” NAHRO National Conference & Exhibition, Baltimore, MD, October 2014
61. Presenter, "Affording Housing at the Expense of Health" Health Inequality: Tracing Trends and Theorizing Processes and “Energy Insecurity and Immigrants” Roundtable Session on Inequality, Poverty and Mobility- American Sociological Association Annual Conference, August 2014.
62. Poster Presentation, “Understanding Drug Use and the HIV Cascade of Care in San Juan, Puerto Rico.” College on Problems of Drug Dependence. San Juan, Puerto Rico. June 2014
63. Featured Speaker, “Energy Insecurity among Families with Children,” 2014 Low Income Forum on Energy Statewide Conference, Albany, NY. May 2014
64. Presenter, “[Empirical Exploration of the Three Dimensions of Energy Insecurity among Urban Low–Income Communities: United States](http://ghf.globalhealthforum.net/2013/09/30/empirical-exploration-of-the-three-dimensions-of-energy-insecurity-among-urban-low-income-communities-united-states/) (with Brennan Rhodes Bratton). Geneva Health Forum. April 2014.
65. Featured Speaker, “Grant by Grant: Building an Energy and Health Independent Research Agenda” NHLBI-PRIDE Annual Meeting, April 2014
66. \*Panel Organizer/Chair- “Latin@s and the Environment” and Presenter, “Latin@s, energy conservation and another immigrant paradox in the context of hardship” Latina Researchers Conference. April 2014
67. \*Featured Speaker, “Power to the People: Examining energy insecurity as a hidden dimension of risk among vulnerable populations”Health Equity Conference to Focus on Vulnerable Populations, Binghamton University. April 2014
68. Presenter, “Energy Efficiency and Urban Environments: The Duality of Local & Global Perspectives” with Darby Jack, Students for Environmental Action, Mailman School of Public Health, Columbia University, March 2014
69. Invited Panelist, “I’m a Bronx Girl First and Foremost” TRIO Pre-Collegiate Programs Career Day Panel. Bronx Community College. March 2014.
70. \*Featured Speaker, 6th Annual Health Disparities Conference, Teacher’s College, Columbia University. “Energy Insecurity: A Framework for Understanding Energy, Housing Risks, the Built Environment, and Health among Low-Income Vulnerable Populations” March 2014
71. Guest Lecturer, [Public Health Entrepreneurship: Translating Housing Research into a Real Estate Enterprise](http://www.mailman.columbia.edu/students/student-life/student-digest/display?site=sdigest&event_id=14138), Drexel University March 2014
72. Invited Panelist, Energy Efficiency in Urban Environments: The Duality of Local & Global Perspectives, Students for Environmental Action, Columbia University, March 2014
73. Guest Lecturer, “Moderating Focus Groups” Training webinar for the New York City-Long Island-Lower Tri-County Public Health Training Center. February 2014.
74. Presenter, “Energy Insecurity: A Hidden Dimension of Disease and Disadvantage. Social Determinants of Health Lecture Series. University of Puerto Rico. December 2013.
75. Invited Panelist, Professors of Color Luncheon sponsored by the Black Latino Student Caucus, Mailman School of Public Health Columbia University. November 2013
76. Presenter, "Affording Housing at the Expense of Health" Guest lecture for a graduate level course entitled, Historical and Contemporary Issues in Social Justice. Drexel University November 2013
77. Presenter "On the Continuum from Scholarship to Service: Addressing Health Disparities in Situ" for the Opening Doors Health Disparities Research Training Program, Drexel University. Nov. 2013.
78. Presenter, “Energy Insecurity: A Hidden Dimension of Disease and Disadvantage” co-sponsored

by Food Policy and Obesity Prevention and Greater Community Reach, Mailman School of Public Health Columbia University. November 2013

1. Moderator, Sustainable Design Panel, Sustainable Energy and Design Conference sponsored by

the Center for Sustainable Energy at Bronx Community College. November 2013.

1. Oral Presentation, “Power for the People: Examining Energy Insecurity as a Hidden Dimension

of Risk among Vulnerable Populations.” *Spirit of 1848 Caucus* on “The Politics of Global Climate Change: Social Justice, Sustainable Economies & Ecologies, and Health Equity” American Public Health Association Annual Conference Boston, MA November 2013.

1. “Up in Smoke No More: Assessing the Impact of Clean Heat Policies in Northern Manhattan

Residential Buildings” Oral Presentation at the NIEHS Center for Environmental Health in Northern Manhattan, October 2013

1. “From Insecurity to Inclusion: Exploring Pathways to Improved Energy and Environmental

Policy” Oral Presentation at the Translating Research to Policy: Stakeholder Briefing co-sponsored by the Columbia Center for Children's Environmental Health and WE ACT for Environmental Justice. October 2013.

1. “An Alternative to Abyss: Harm Reduction as a Critical Institutional Tie” Oral Presentation on

the Families in the Struggle: Building and Fortifying Communities Panel of the Challenging Punishment Conference: Race, the People’s Health, and the War on Drugs. October 2013.

1. Invited Panelist, “Feedback: Medical Metrics in Architecture” at the HEALTH: Present

Predicaments in Architecture and Urban Planning Conference, University of Michigan September 2013.

1. “Power for the Poor: Examining Energy Insecurity as a Hidden Dimension of Poverty.” Fifth

Annual Health Disparities Conference at Teachers College, Columbia University. March 2013.

1. “Evaluation Results of a Bronx-Based Harm Reduction Organization: An Alternative Institution

to Criminal Justice or Abyss.” Fifth Annual Health Disparities Conference at Teachers College, Columbia University. March 2013.

1. “Qualitative methods of assessing sexual behavior and risk” Division of Gender, Sexuality, &

Health, HIV Center, Columbia University. February 2013

1. “Challenges of Immigration for Latino Gay Men in the Realm for HIV” American Public Health

Association Annual Meeting October 2012

1. “Low-Profile Latinos: Immigration, Marginalization and HIV Risk among Latino Gay and

Bisexual Men.” Invited talk given at the Columbia Population Research Council, Columbia University and the American Bar Foundation. January 2012.

1. “Beyond Down-Low: Conceptualizing a Low-Profile Status of Latino Bisexual Men.” Working

Paper Presented at Eastern Sociological Society Annual Conference, Boston, MA. March 2010

1. “Litigating Health Risks: On Using Legal Strategies to Address Housing and Neighborhood

Health Risks” Related Papers Presented at:

* 1. Teaching Qualitative Methods Conf., University of Wisconsin- Madison May 2006
	2. Mathematica Policy Research, Inc, Cambridge, MA July 2007
	3. American Sociological Association, Law and Society Roundtable August 2007
	4. Sociology Graduate Student Mini-Conference, Cornell University October 2007
	5. Medical Legal Partnership Annual Conference, Kansas City, MO March 2008
	6. Inter-Ivy Sociology Symposium, Brown University April 2008
	7. Law and Society Association, Denver, CO May 2008
	8. American Bar Foundation, Chicago, IL February 2009
1. “Commonalities, Competition and Linked Fate: Exploring Trends in Latino Incorporation

and Race Relations in Emerging and Established Immigrant Receiving Areas in the United States” Paper Presented at American Sociological Association Annual Meeting, Race and Ethnicity Roundtable, August 2007.

1. “Occupational Mismatch, Urban Poverty and Community Based Organizations.” Paper

presented at Urban Scholars Program Graduate Panel, Cornell University, August 2005

1. “Hispanic vs. Latino: Semantics of Symbolism” Guest Speaker at Café Con Leche Lecture Series,

Cornell University, November 2004

1. “How Do You Fare?: Client Evaluations of Service, Expectations and Barriers to Employment”

Presentation at Urban Scholars Program Final Reception, Cornell Club, New York, N Y and Briefing at Job Access Center, Bronx, NY August 2003

1. “Latino Studies Program: History and Future” Panelist at Café Con Leche Lecture Series, Cornell

University, November 2003

1. “Phenotype and Ethnicity: Effects on the Identity of Blacks and Latinos” Paper presented at Annual

Psychology Conference, Hunter College, October 2002

1. “Skin Deep Differences: The Black and Latino Experience” Paper presented at NIMH-COR

Annual Conference, University of Minnesota, October 2002

1. “Missing Link: Phenotype, Life Chances and Mental Health among Racial/Ethnic Minorities”

Roundtable at CIC Colloquium, University of Michigan- Ann Arbor, August 2001

1. “Skin Tone, Life Chances and Mental Health among African Americans” Poster-board presented

at CIC-SROP Colloquium, University of Illinois at Chicago, August 2001