COMMUNITY Center

to Improve **C**hronic disease **O**utcomes through **M**ulti-level and **M**ultigenerational approaches **U**nifying **N**ovel **I**nterventions and **T**raining for health Equit**Y**

Investigator Development Core (IDC) Program Information Session

Welcome to the COMMUNITY Center
Investigator Development Core Program Information Session

- COMMUNITY Center Overview

- Investigator Development Core Program

- Request for Applications

Investigator Development Core Program Team

- Dr. Daichi Shimbo (Director), CUIMC

- Dr. Jasmine McDonald, CUIMC

- Dr. Katherine Crew, CUIMC

- Dr. Jeanine Genkinger, CUIMC

- Dr. Jill Bargonetti, Hunter/CUNY

- Dr. Monika Safford, WCMC

- Dr. Ruth Masterson Creber, CUIMC

- Marisol Castellano, MS (Program Manager)

- Nicole A. Bayne, RN, MPH (Project Manager)

COMMUNITY Center Overview

The COMMUNITY Center brings together a dynamic, interdisciplinary team of investigators, health care providers and community stakeholders to reduce health disparities in multiple chronic diseases in the New York City Region.

Our current research and interventions focus on cardiovascular disease and cancer and their risk factors among Black and Latinx populations

The COMMUNITY Center is one of 11 NIMHD(National Institute on Minority Health and Health Disparities) funded centers addressing health disparities in chronic diseases in the U.S.

Multiple Principal Investigators (MPIs)

Dr. Daichi Shimbo

Dr. Dawn Hershman

Dr. Elizabeth Cohn

Dr. Erica Phillips

Dr. Mary Beth Terry, Contact PI

Dr. Olajide Williams

COMMUNITY CENTER Vision and Mission

Our vision is rooted in public health which recognizes that medical advances alone can only partially reduce the burden of disease and that reducing health disparities in chronic diseases requires approaches that intervene on structural, community, family and individual level determinants of health and well-being.

The mission of the COMMUNITY Center is to reduce health disparities in chronic diseases in the NYC Region through

- rigorous testing,

- Disseminating, and

- sustaining of

interventions that incorporate the multiple levels of influence from individual, interpersonal, community and societal approaches

Life Expectancy at Birth

- Parks & Airports
- 75.8 - 80.0
- 80.1 - 81.7
- 81.8 - 83.2
- 83.3 - 84.8
- 84.9 - 87.2
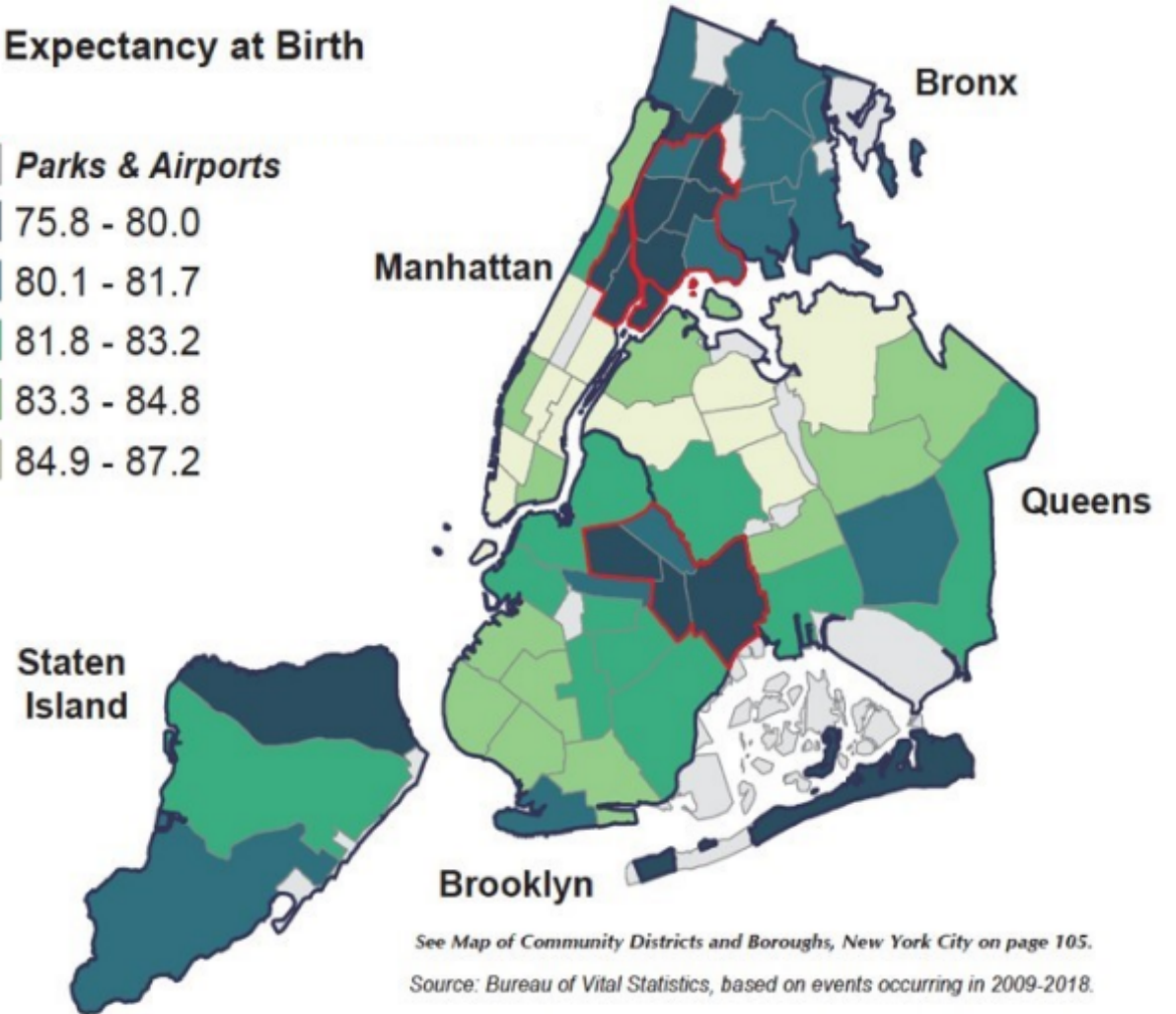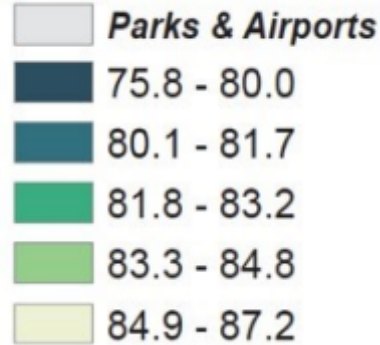
See Map of Community Districts and Boroughs, New York City on page 105.

Source: Bureau of Vital Statistics, based on events occurring in 2009-2018.

COLUMBIA UNIVERSITY HUNTER PAGNY Physician Affiliate Group of New York, PC Weill Cornell Medicine

Multi-institutional Academic Research Synergy

- Columbia University Irving Medical Center (CUIMC) which includes the Mailman School of Public Health (MSPH) and Weill Cornell Medical Center (WCMC) which are joined through the greater New York Presbyterian (NYP) Hospital System

- Hunter College, a constituent college of the City University of New York (Hunter/CUNY), one of the most diverse public institutions of higher education in the nation

- Physician Affiliate Group of New York (PAGNY), one of the largest multi-disciplinary provider groups in the country with practices through the NYC Health + Hospital System of NYC including the Correctional Health Services.

Through this partnership, we aim to reduce health inequities focused on where the largest gains can be made at an individual, community, and population level

COMMUNITY Center Projects

CHURCH:
Community **H**ealth workers **U**nited to **R**educe **C**olorectal cancer and CVD among people at **H**igher risk

DREAM:
Addressing Sleep **D**uration, **R**egularity, and **E**fficiency: **A** **M**ultidimensional Sleep Health Intervention for Reducing Disparities in Cardiometabolic Disease

IMPACT
Intervention to i**M**Prove **A**dheren**C**e equi**T**ably, a trial to support medication management for people with multiple chronic diseases

These projects leverage a Community Health Worker model and partnerships with community and faith-based organizations

COLUMBIA UNIVERSITY   HUNTER   PAG NY   Weill Cornell Medicine
Physician Affiliate Group of New York, PC

COMMUNITY Investigator Development Core Program Overview

- Mentored training and support for a diverse cohort of Health Equity Scholars to conduct pilot projects to reduce and eliminate disparities in chronic diseases and increase health equity.

- Support for <u>pilot projects per year</u>, which Health Equity Scholars will lead as Principal Investigators (PIs).

COMMUNITY Investigator Development Core Program Aims

Aim 1. To diversify and train the next generation of investigators engaged in clinical research, community-based participatory research (CBPR), and implementation science (IS) research that increases health equity in the outcomes of prevention, treatment and management of chronic diseases.

Aim 2. To implement a pilot project program to support and accelerate the work of interdisciplinary teams led by early-stage investigators (Health Equity Scholars) from diverse backgrounds and institutions engaged in clinical research, CBPR, and IS research, which will increase health equity in the prevention, treatment and management of chronic diseases.

Aim 3. To accelerate dissemination of pilot research findings to impact practice and policy changing research in health equity in the prevention, treatment and management of chronic diseases locally and regionally.

Overview of Program Elements

- These awards are intended to support one or more of the following:
  - The collection and analysis of new preliminary data to a support a larger future study in chronic disease prevention through community-based participatory research or implementation science.
  - The collection and analysis of additional data for a grant resubmission that would help an investigator respond to a previously favorable committee review that yielded a promising but not fundable score for a proposed study.
- The duration of the program is either 1 or 2 years dependent on scope of the proposed project, career phase and training plan.

Overview of Program Elements

- The Investigator Development Core Program will support the Health Equity Scholars by providing mentored training. Training components include the following:
  - Completion and implementation of an Individual Development Plan (IDP)
  - Interdisciplinary mentoring
  - Manuscript and grant-writing support
  - Training in study design and biostats
  - Integrated research internships and externships

- Training content will also include one or more of the following:
  - Participation in team science training
  - Participation in a health equity and disparities seminars
  - Participation in community engagement with a focus on clinical research, community-based participatory research, and implementation science research training
  - Research compliance training

Request for Applications: Award Priorities

- Applicants who are interested in conducting studies for increasing the health equity of chronic diseases*.
- Applications that have a focus in community-based participatory research or implementation science, and include a partnership with a community organization.
- Applications that have a multi-Principal Investigator (PI) team.

*At CUIMC, applications that focus on cancer as one of the chronic diseases are highly encouraged, and will be prioritized for funding.

Request for Applications: Award Priorities

- Applications with more than one PI, a multi-PI application, are highly encouraged. If there is more than one proposed PI, all PIs must be early-stage investigators. The following are exemplars of an ideal multi-PI team:
  - A clinician who does not primarily conduct research paired with a person who primarily conducts research.
  - A person who has a focus on education and teaching with less institutional support for conducting research paired with a person who primarily conducts research.
  - Two persons who primarily conduct research, but who are in different disciplines.

Request for Applications: Eligibility

Early-stage investigators from CUIMC, WCMC, Hunter or PAGNY are eligible to apply

- Applicants must be new investigators who have completed their terminal research degree or medical residency—whichever date is later—within the past 10 years *and* have not yet competed successfully for a substantial, independent NIH research grant.
- Candidates who are members of populations that are under-represented in the research enterprise are especially encouraged to apply.
  https://diversity.nih.gov/about-us/population-underrepresented

Request for Applications: Pilot Project Criteria

- The pilot project must address each of the following three components:

    1. **Two or more chronic diseases that commonly co-occur,**
    2. **Health disparities and/or health equity, and**
    3. **Prevention, treatment, and/or management of these chronic diseases.**

- The pilot project must provide data to support a future research study in reducing multiple chronic diseases.

Request for Applications: Timeline and Award

Phase 1 Application Due Date: Monday, November 7, 2022, 5 pm

Phase 2 Selected Applicants Announced: Week of November 14, 2022

Phase 2 Application Due Date: Friday, January 13, 2023, 5 pm

Awardees Announced: Friday, February 10, 2023

Award: $25,000 to 50,000 for each pilot project

Request for Applications: Timeline and Award

UPCOMING SESSION: There will be an Investigator Development Core Program-specific Network Event during the week of October 3, 2022. The purpose of this event will be to facilitate the creation of multi-PI teams for applications. Stay tuned for the date, time, and other details of the event.

Request for Applications: Phase 1

Application Components

1. **New NIH-format biosketch** (Form G, 5-page limit **per investigator**). The personal statement should include a description of short-term and long-term career goals, and reasons for seeking mentored research training in health disparities and equity of chronic diseases.
2. **Specific aims page** describing pilot project (maximum 1 page with 3-5 aims). This should include information on how the pilot project and subsequent planned research will impact health disparity and/or health equity of chronic diseases.
3. **A letter of support** signed by the Director or Chair of the candidate's Department that includes a commitment to sufficient protected time and resources to support the Scholar.
4. If more than one PI is proposed, **description of PI roles** and how the PIs will complement one another.
5. **Name of IRB** that you will use for the pilot study, and whether or not your proposed study is already IRB-approved.
6. **Demographics form and Keywords (3-5) – please note that this was not in the recorded talk**

Request for Applications: Phase 2

- Only a subset of Phase 1 applications will progress to Phase 2.
- Those invited to submit a Phase 2 application will be provided support by the Investigator Development Core Program members to develop:
  - A mentorship team
  - Research strategy
  - Training plan
  - Timeline (1 or 2 years)
  - Pilot project budget
- The Investigator Development Core Program will advise the potential Scholar(s) on refining the aims of the study, selection of an interdisciplinary team including mentors (*i.e.,* two primary mentors), community partners, and content experts.

Request for Applications: Phase 2

Application Components

1. **Revised specific aims page** describing their pilot project (maximum 1 page)
2. **Research strategy** (maximum 2 pages)
3. **Training plan** (maximum 1½ pages)
   - The plan should include schedule of mentors' meeting, and how the applicants will interact with the mentors.
   - The plan should include description of current skills and knowledge gaps, and how those gaps will be addressed by the training plan.
   - Training content should include those described previously.
4. **Budget:** $25,000 to $50,000
5. **Budget justification** (maximum 1 page)
6. **Protection of human subjects** (maximum 2 pages)
7. **Specific plan for data and safety monitoring** (maximum 1 page)
8. **References** (no limit)

Contact Information

Please submit any questions, requests for the RFA document, and completed applications to:

Email Marisol Castellano, MS (Investigator Development Core Project Manager) at mc4542@cumc.columbia.edu.

Visit the COMMUNITY Center website for more information on current research: http://www.health4allnyc.org

COMMUNITY Center
to Improve Chronic disease Outcomes through Multi-level and Multigenerational approaches Unifying Novel Interventions and Training for health EquitY

Investigator Development Core Program

Thank you!