

Hampton University Fall Institute 2022

“Digital Solutions in Academic Affairs for the Number One Student Experience in America”

NIH Center Planning Grant : Implications for Faculty Development

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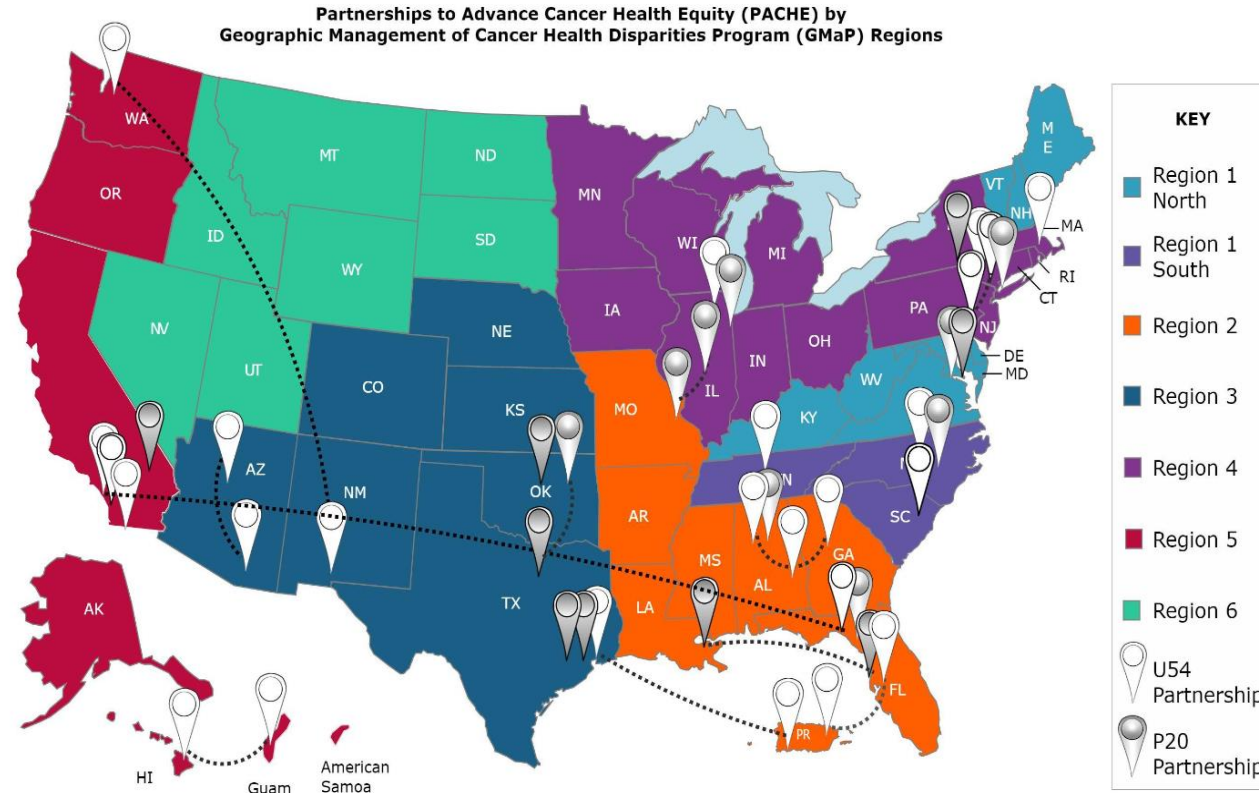
Hampton University & Mount Sinai School of Medicine Partnership in Cancer Genetics and Genomics Research

Funded by National Cancer Institute

Grant# 1P20CA264075

NCI Purpose of the PACHE (P20 Grant)

- To Increase MSI participation in Cancer Research and research training enterprise.
- Produce more competitive grant applications from underrepresented scientists.
- Increase competitive research capacity of MSIs.
- Promote research partnerships between National Cancer Centers (CCs) and MSIs.
- Develop more-effective outreach and education programs that will have an impact on underserved populations.
- Prepare institutions for the **CPACHE** (U54 Collaborative Center grant)
 - **Only MSIs with existing P20 grants can apply**
 - **Joint grant between NCI-Designated Cancer Center and MSI**
 - **Funding range 10-15M total costs over 5 years**



NCI: National Cancer Institute

CPACHE: Comprehensive Partnerships to Advance Cancer Health Equity

Pathway Going Forward

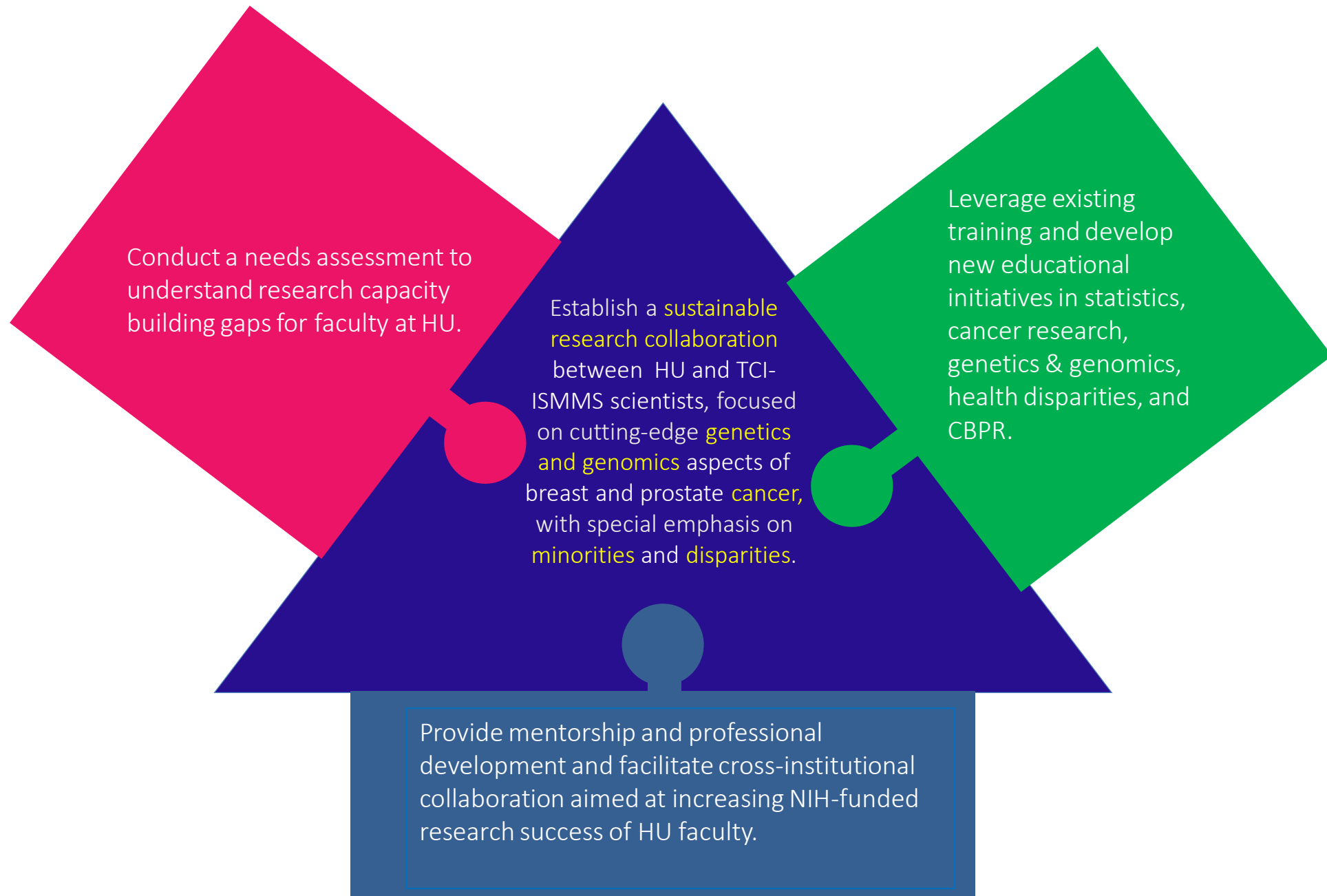


Why All Disciplines Are Needed

- **NIH Values Team-Science/Multidisciplinary Approaches**
- Health Equity Research Includes:
 - Biological/Genetic Determinants
 - Psychosocial/Socioeconomic Determinants of Health (Social & Behavioral Scientists; Business, Pharmacy)
 - Health Literacy & Education (Education, Marketing, Journalism)
 - Community Engagement/Outreach (Education, Marketing, Foreign Languages, Nursing, Pharmacy, Physical Therapy, Journalism)
 - Environmental (includes built environments, infectious disease, climate change) Determinants (Physics, Atmospheric Sciences, Biology, Architecture)
 - AI/Technology Biases (Engineering, Physics, Computer Science, Mathematics)



Training and Education Components of the NCI-funded HU and TCI-ISMMS Research Partnership



Proposed Training Initiatives for the NCI-funded HU and TCI-ISMMMS Research Partnership

Existing Training Initiatives	New Training Initiatives
NHGRI-funded Clinical Research Education in Genome Science Short Course	Introduction to Biostatistics Virtual Seminar Series
Applied Statistics in Biological Systems Short Course	Statistical Programming Workshop in R
Translational Epidemiology, Genetics & Genomics, Biostatistics, Population Health & Cancer Research Grand Rounds	Community-based Participatory Research Workshop
Analysis of Large Healthcare Databases	Successful Strategies for NIH Grant Writing Workshop
Introduction to Epidemiology	Race and Causality Seminar

Needs Assessment to Identify Research Capacity Building Gaps and Interest in the NCI-funded HU and TCI-ISMMS Research Partnership

We want to hear from you!

Scan the QR code to
access the online
needs assessment.



<https://redcap.link/inquiry>

Desired Outcomes

- Identify cohort of student & faculty researchers
- Provide HU Faculty Development Workshops
- Pair ESIs with Mentors
- Form HU-MSSM Research Teams
- Develop Innovative Research Projects and Intervention Strategies to reduce Cancer in Minority Populations
- Joint Publications and Proposals
- Funded CPACHE, RCMI and other NIH Center Grants



P20 Team

- **PIs:** **Simone Heyliger, Ph.D.** & **Emanuela Tiaoli, M.D., Ph.D.***
- **Co-PI:** **Neelam Azad, Ph.D.**
- **Education Core:** **Zina McGee,, Ph.D, Marilyn Saulsbury, Ph.D.,R.Ph., Emma Benn, Dr.PH.***
- **Program Evaluator:** **Vera Campbell, Ph.D.**
- **Research Assistants:** **Angelo Zegarelli, BS *** & **Richa Deshpande, DDS***
- **Pilot Project 1: Prostate Cancer & Proton Therapy in Black Males**
 - HU PI: **Marilyn D. Saulsbury, & Simone Heyliger**
- **Pilot Project 2: Development of Novel Drugs for TNBC (subject to approval by NCI)**
 - HU PI: **Dawanna White, Ph.D.**
- **Advisory Board:** **Oluwatoyin Asojo, Ph.D., Travonia Brown-Hughes, Ph.D.,** **Cardinale B. Smith, M.D., Ph.D.***

* Mount Sinai School of Medicine

Thank You & Questions

- Dr. JoAnn Haysbert , Provost and Chancellor
- Dr. Pollie Murphy, Assistant Provost
- HU & MSSM Team
- Hampton University Faculty



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