

Career Path and Progression to Translational Behavioral Science Research

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Professor, Department of Psychiatry and Behavioral Sciences
Cancer Control Program Leader; Distinguished AT&T Endowed Chair
for Cancer Equity, Hollings Cancer Center
Medical University of South Carolina



Professor, Department of Psychiatry and Behavioral Sciences; Assoc Dean for
Assessment, Evaluation, & Quality Improvement, College of Medicine
Cancer Control Program Leader; Distinguished AT&T Endowed Chair for Cancer Equity;
Associate Director for Education and Training, Hollings Cancer Center
Medical University of South Carolina

Research Program Objectives

- Enhancing participation of minorities in cancer research
- Identifying determinants of minority health and health disparities
- Developing culturally tailored interventions and assessments to increase their precision
- Disseminating and implementing sustainable interventions into clinic and community-based settings



**Vice Chair for Research and Professor, Department
of Population and Public Health Sciences
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University of Southern California**





AACR Distinguished
Lecture in Cancer
Disparities, 2018



National Academy of
Medicine, 2017

Previous Service and Leadership

- Chair, Minorities in Cancer Research Council, AACR
- Member, Board of Scientific Advisors, NCI
- Member, National Advisory Council, National Human Genome Research Institute
- Chair, Ethical, Legal, and Social Implications for Human Research Study Section
- American Cancer Society, Cancer Control Award



**Community-Based
Participatory
Research**
NIMHD, R24MD001594

**Recruitment and
Retention**
NCI, UG1 CA189848
NHGRI, R01HG004326

**Cancer Control
Interventions**
NIMHD, R24MD001594
AHRQ, U18HS023047



How does stress influence cellular and behavioral stress responses?



Transdisciplinary Collaborative Center in Precision Medicine and Minority Men's Health



- Multi-regional consortium
- Translational research on biological, social, psychological, and clinical factors
- Dissemination and implementation
- Data integration



Low Country AHEC
National Black Leadership Initiative on Cancer
Hope Institute, LLC



Chanita Hughes-Halbert, PhD
U54MD010706

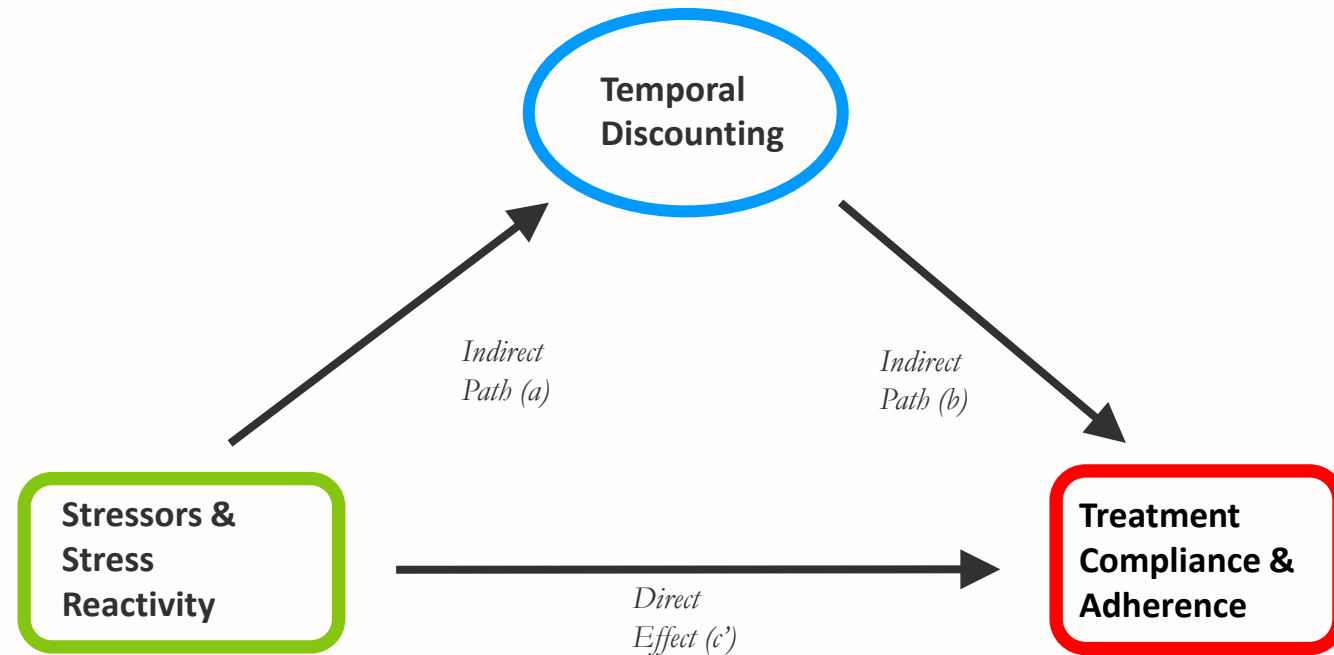


	Individual
Biological	Biological Vulnerability and Mechanisms
Behavioral	Health Behaviors Coping Strategies

Basic Behavioral Science Research

- Translate findings from animal study into human sample using a biobehavioral model
- Characterize stress reactivity and mechanisms leading to behavioral outcomes in a medically underserved population
- Develop novel precision interventions to address cancer health disparities

Science of Behavior Change in African American Breast Cancer Survivors

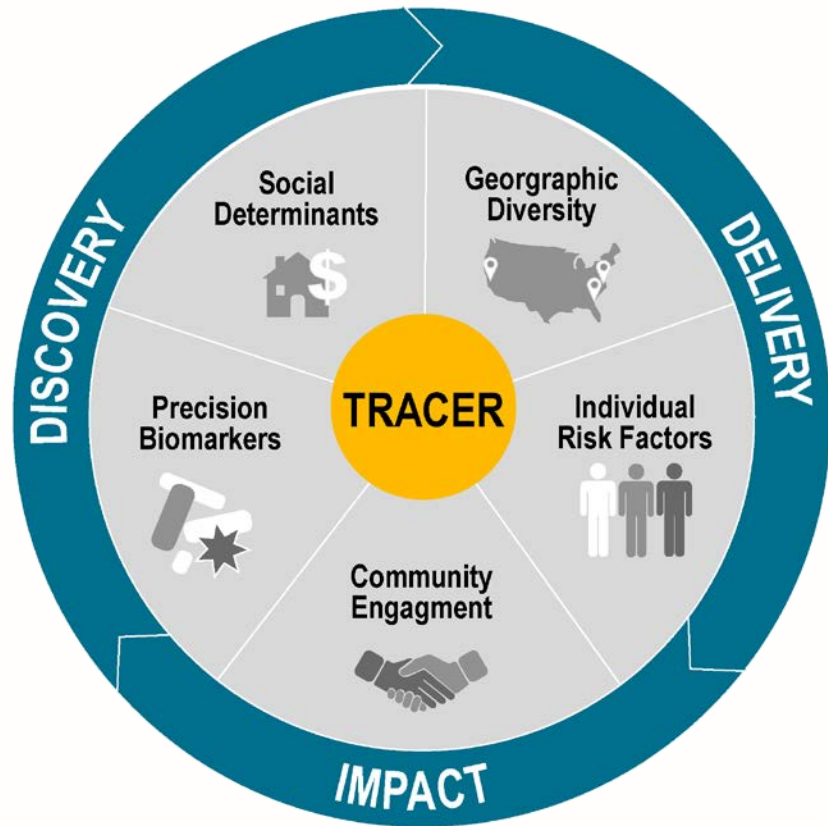


Supported by National Cancer Institute R21CA235852



P20 TRACER: Overarching Goal

Address racial disparities in lung cancer morbidity and mortality by developing more precise strategies for lung cancer prevention and early detection



- 1) **Discover** cancer-driving biological mechanisms leading to racial disparities in lung cancer morbidity and mortality and analyze these mechanisms within the context of individual, social, and environmental determinants of health
- 2) **Translate** research findings into novel prevention, diagnostic, and therapeutic interventions
- 3) **Develop** an integrated inter-institutional partnership that promotes transdisciplinary research and leverages the distinct capabilities at each partner site in order to successfully obtain a P50 Cancer Disparities SPORE
- 4) **Promote** bi-directional communications between AA/Black communities and investigators regarding research priorities, the development of culturally appropriate strategies for community engagement and participation in research, and the dissemination of education and research outcomes



Guiding Principles and Philosophy

