



# 2014

## MINORITY HEALTH & HEALTH DISPARITIES GRANTEES' CONFERENCE

## TRANSDISCIPLINARY COLLABORATIONS: *Evolving Dimensions of US and Global Health Equity*

December 1 – 3, 2014 | Gaylord National Resort and Convention Center

### PROGRAM AGENDA

Revised 11/18/2014 3:30 PM Eastern

<b>Sunday, November 30, 2014</b>	
<b>3:00 PM – 7:00 PM</b>	<b>Registration</b>
<b>Monday, December 1, 2014</b>	
<b>6:30 AM – 5:00 PM</b>	<b>Registration</b>
<b>7:00 AM – 8:15 AM</b> <i>Potomac A&amp;B</i>	<p><b>Frederick C. Greenwood Memorial Award</b>  <i>The Greenwood Award is dedicated to the memory of Dr. Frederick C. Greenwood, an internationally acclaimed scientist and exemplary scientific administrator who worked at the University of Hawaii Manoa until his death in August 2000. From the inception of the RCMI Program and the Program Directors Association, Dr. Greenwood worked tirelessly to ensure that the program was well-funded and addressed the needs of the minority populations it was designed to serve. Dr. Greenwood was highly respected for his contributions to and productivity in his research area. He set and met high standards for research excellence. He also strongly advocated for research opportunities for students, particularly under-represented minority students.</i></p> <p><i>The intent of the award is to honor individuals who exemplify either Dr. Greenwood's idea of research excellence or his commitment to service to the biomedical science community, especially as it pertains to minority populations. The Greenwood Award recipient will present the Biennial Greenwood Memorial Lecture.</i></p> <p><b>Opening Remarks</b></p> <p><b>The Frederick C. Greenwood Award</b></p> <p><b>Award Presentation</b></p> <p><b>Introduction of the Speaker</b></p> <p><b>Greenwood Memorial Lecture</b>  <i>Ebola and Malaria as Case Studies in Health Equity</i></p>
	<p>Karam FA Soliman, PhD Associate Dean for Research Distinguished Professor, Basic Pharmaceutical Sciences RCMI Program Director Florida A&amp;M University Tallahassee, FL</p> <p>William M. Southerland, PhD Professor of Biochemistry Howard University, College of Medicine</p> <p>Karam FA Soliman, PhD Associate Dean for Research Distinguished Professor, Basic Pharmaceutical Sciences RCMI Program Director Florida A&amp;M University Tallahassee, FL</p> <p>William M. Southerland, PhD Professor of Biochemistry Howard University, College of Medicine</p> <p>Richard Yanagihara, MD Professor of Pediatrics and Tropical Medicine Director, Research Coordinating Center RCMI Translational Research Network University of Hawaii Honolulu, Hawaii</p>
<b>8:30 AM – 12:15 PM</b>	<b>NIMHD Grantee Meeting and Program Specific Breakout Sessions †</b>
<b>8:30 AM – 10:00 AM</b> <i>Potomac C&amp;D</i>	<b>NIMHD Grantee General Session †</b>
<b>10:00 AM – 10:15 AM</b>	<b>Break</b>
<b>10:15 AM – 12:15 PM</b> <i>Potomac 3</i>	<b>Grantee Breakout Session 1 †</b> <i>NIMHD Research Centers in Minority Institutions (RCMI) Program</i>
<b>10:15 AM – 12:15 PM</b> <i>Potomac 4</i>	<b>Grantee Breakout Session 2 †</b> <i>NIMHD Centers of Excellence (COE) Program</i>

† Current NIMHD Grantees | \* Pre-Registration Required | \* Concurrent Scientific Sessions

**Monday, December 1, 2014**

**10:15 AM – 12:15 PM**      **Grantee Breakout Session 3 †**  
*NIMHD Transdisciplinary Collaborative Research Centers (TCC) Program*  
 Potomac 5

**10:15 AM – 12:15 PM**      **Grantee Breakout Session 4 †**  
*NIMHD Loan Repayment Program (LRP)*  
 Potomac 6

**10:15 AM – 12:15 PM**      **Grantee Breakout Session 5 †**  
*NIMHD Community-Based Participatory Research (CBPR) Program*  
 Baltimore 1

**10:15 AM – 12:15 PM**      **Grantee Breakout Session 6 †**  
*NIMHD Minority Health and Health Disparities International Research Training (MHIRT) Program*  
 Baltimore 2

**10:15 AM – 12:15 PM**      **Grantee Breakout Session 7 †**  
*NIMHD Small Business Innovation Research / Small Business Technology Transfer (SBIR/STTR) Program*  
 Baltimore 3

**8:30 AM – 10:30 AM**      **Concurrent Training Workshops**

**8:30 AM – 10:30 AM**      **Training Workshop 1**  
*Young Investigators and Leadership*

2.0 Contact Hours  
 National Harbor 2

*Building an academic career in medicine and scientific research encourages a proactive approach to building essential skills in leadership, professionalism, and scholarship. The Young Investigators and Leadership Workshop will offer comprehensive information on shaping a successful career in academic medicine and scientific research. Participants in this session will be offered support through an open dialogue on matters concerning the advantages and disadvantages of navigating such a career and encouraging collaboration.*

*At the end of this activity, participants will be able to:*

- Describe the importance of building a network that fosters support and encourages collaboration;
- Identify strategies for balancing a research career with other responsibilities and interests; and
- Develop a professional toolkit for success in academic medicine and scientific research

*This workshop is intended to provide young investigators (graduate students, post-docs and junior faculty) with an opportunity to interact with senior and mid-career faculty and to learn about their processes and methods for establishing a successful academic career. Presenters will discuss many aspects of developing a career in health disparities research including: project management, publication and granting strategies, planning next steps in your career, setting up the laboratory/research program, money and personnel management, being selective and strategic about service contributions, balancing family and career, important relationships with Chairs, Deans, etc., preparing your tenure packet and common pitfalls along the way.*

**Facilitator**

Robin Fuchs-Young, PhD  
 Professor, Department of Molecular and Cellular Medicine  
 Institute of Bioscience and Technology  
 Texas A&M Health Science Center  
 College Station, TX

**Speakers**

Lovell Jones, PhD (INVITED)  
 Founding Director, Center for Research on Minority Health  
 Co-Founder, Intercultural Cancer Council  
 Prof. Emeritus, Department of Health Disparities Research  
 University of Texas MD Anderson Cancer Center

E. Lisako McKyer, PhD  
 Associate Professor, Department of Health and Kinesiology  
 College of Education and Human Development  
 Texas A&M University

**Panel Discussion / Q&A**

**Closing Remarks**

Moderator

**8:30 AM – 10:30 AM**      **Training Workshop 2**  
*Grantsmanship – Part I*

2.0 Contact Hours  
 National Harbor 3

*Principles and practices of developing successful grant proposals for research in minority health and health disparities. The workshop will consist of two sessions. Part I will present an overview of the grant process and will offer recommendations for an effective project summary, specific aims, research plan (background and significance, preliminary results, research design, and methods), appendices, and administrative sections. Part II will present an overview of protecting human subjects research and research ethics in investigator research. Examples of common errors as well as tips for avoiding them will be presented.*

*At the end of this activity, participants will be able to:*

- Improve the quality of minority health and health disparities research proposals submitted to NIH;
- Explain the grant review and selection process;
- Describe basic grant-development and grant-writing skills; and
- Explain ethical practices of investigator research and protection of human subjects research.

Revised 11/18/2014 3:30 PM Eastern



**Facilitators**

Mona Fouad, MD, MPH  
University of Alabama, Birmingham  
Birmingham, AL

Marinelle Payton, MD, PhD, MS, MPH  
Assistant Dean for Research and Program Development  
Professor of Epidemiology and Biostatistics  
Jackson State University  
Jackson, MS

**8:30 AM –  
10:30 AM**

2.0 Contact Hours  
National Harbor 10

**Training Workshop 3**

***Creative Approaches to Community-Based Participatory Research with Diverse Latino Populations***

*Methods and approaches to community-based participatory research (CBPR) have begun to diversify as academic and community partnerships address unique health equity issues and contexts. This panel will feature distinct processes to addressing Latino community health needs with CBPR and structural environmental approaches and feature research efforts focused on alcohol and sexual risk, and health promotion among low-income African-American and Latina pregnant mothers.*

*At the end of this activity, participants will be able to:*

- *Describe how the principles of Community-Based Participatory Research can be applied to diverse health equity research efforts;*
- *Outline how leading researchers are using community-based participatory research to better understand health risks within the contexts of diverse communities;*
- *Describe how structural environmental approaches to address community health problems can shape community-based participatory efforts.*

*This session will promote awareness of how CBPR can be used to address structural environmental issues within underserved communities to develop effective and sustainable community health frameworks to address health disparities. This session will also create purposeful opportunities to facilitate collaborations among CBPR researchers throughout the nation.*

**Opening Remarks, Welcome, and Introductions**

Britt K. Rios-Ellis, PhD  
Director, NCLR/CSLUB Center for Latino Community Health,  
Evaluation and Leadership Training  
Centro Salud es Cultura  
Dean, California State University, Monterey Bay

**The Structural Vulnerability of Latino Migrant Day Laborers to Alcohol-Related Sexual HIV Risk**

Kurt Organista, PhD  
Professor, School of Social Welfare  
University of California Berkeley

**Cultural Competency and Stress Management among Low-Income Pregnant Women using CBPR**

Guido Urizar, PhD  
Associate Professor, Department of Psychology  
California State University, Long Beach  
Long Beach, CA

**Closing Remarks**

Moderator

**8:30 AM –  
10:30 AM**

2.0 Contact Hours  
National Harbor 11

**Training Workshop 4**

***Alcohol and Minority Health and Health Disparities (Facilitated by the NIAAA)***

*Epidemiologic evidence reveals that the burden of alcohol-related problems, morbidity, and mortality is not experienced in proportion to levels of alcohol consumption among many US-based racial and ethnic minority groups. Studies also highlight factors that serve as determinants of disproportionate negative consequences of drinking experienced by racial/ethnic minorities. Further, prevention science points to the period between adolescence and young adulthood as vital to efforts to prevent negative alcohol-related outcomes from developing within populations. Within group etiological and preventive intervention, studies are useful for untangling the complexities of alcohol use outcomes in minority populations. Interventions developed to address “within group” alcohol problems allow for programs that are grounded in the “minority experience”; and these studies help us better understand determinants that may ultimately account for the “between group” differences that contribute to health disparities. During this session, we will use a life course perspective to report on the etiology of problematic alcohol use and interventions designed to prevent negative use outcomes in four minority groups: Hispanics, African Americans, Asian Americans, and Native Americans/Alaska Natives. We will conclude with the discussion of how findings continue to shape culturally competent prevention efforts that are adopted and implemented by these unique communities in order to reduce alcohol-related disparities.*

*At the end of this activity, participants will be able to:*

- *List factors that serve as determinants for risky alcohol use and related outcomes within specific racial and ethnic minority groups;*
- *Describe the vital role that alcohol prevention interventions may play in the period between adolescence and young adulthood;*
- *Recognize and list preventive interventions that target specific racial and ethnic sub-groups; and*
- *Discuss strategies for moving “within group” interventions into commonly accepted practice within service systems that serve these sub-populations.*

*This session will promote awareness of how epidemiologic studies have been translated into behavioral Type 1 preventive interventions for racial and ethnic minorities. The session will also cover strategies for moving Type 1 translation of interventions into Type 2 interventions that are adopted, implemented and moving towards being sustained by service systems within schools and other community service systems that serve these minority populations.*

**Opening Remarks, Welcome, and Introductions**

Dionne Godette, PhD  
Health Scientist Administrator  
Division of Epidemiology and Prevention Research  
National Institute on Alcohol Abuse and Alcoholism (NIAAA)  
National Institutes of Health

**Risk Factors for Early Alcohol Use: Differences between Asian American Sub-Groups**

Regina Shih, PhD  
RAND Corporation

*This presentation will cover differences in alcohol use and initiation of alcohol use over three years between seven Asian American subgroups of young adolescents. Although there was considerable heterogeneity in lifetime alcohol use and initiation rates, subgroup differences were not statistically significant, which conflicts with other studies on older samples. Significant subgroup differences existed for alcohol use by the adult closest to the adolescent. We discuss the implications that these results have for cultural adaptation of interventions to curb alcohol use in early adolescence.*

**Tailored and Targeted Prevention Intervention Design for Alcohol Use in Latino Adolescents Transition from Middle School to High School**

James Jaccard, PhD  
New York University

*A general framework for identifying variables on which to tailor/target prevention interventions is presented and discussed in the context of Latino adolescent alcohol use. Longitudinal data from a three wave panel design for a sample of 800, inner-city Latino youth are used to illustrate differentiated intervention strategies as a function of (1) Latino ethnicity (Puerto Rican versus Dominican Republic), (b) gender, and (c) immigration status.*

**High-Risk Latino Youth's Response to Motivational Interviewing Intervention Targeting Alcohol Use: Results from a Randomized Controlled Trial**

Sarah Feldstein-Ewing, PhD  
University of New Mexico

*These investigators examined the fit and active ingredients of an empirically supported intervention to reduce youth problem drinking (motivational interviewing; MI vs. alcohol education; AE), with the hypothesis that greater investment in allocentric factors (drink refusal self-efficacy and peer norms) would mediate Latino youths' response to the MI. In this Type 2 translational trial, we examined these questions with 294 justice-involved Latino problem drinking youth (72.4% male; M age = 16.09, Mexican National = 4/1%; Mexican American = 35.5%; Spanish = 17.9%; Latino bi-/multi-racial = 4.5%).*

**A Third-Generation Family-Centered Alcohol and Drug Prevention Program for Indigenous Families and Children**

Leslie B. Whitbeck, PhD  
University of Nebraska, Lincoln

*The Bii-Zin-Da-De-Dah (BZDDD: Listenin to One Anouther) program was the first Indigenous adaptation of the Strengthening Families Program. Now in its third generation, BZDDD has evolved into a national mental health promotion funded by the Public Health Agency of Canada (PHAC). In 2011/12 the program was adapted and piloted at four Ojibwe First Nations and small trials will be implemented on these reserves in 2013. Cultural adaption is also underway by eight Swampy Cree First Nations (Manitoba), Spatsin First Nation (British Columbia), and two First Nations of Quebec and Labrador. Our community and culturally based approach has been extremely successful in developing ownership and participation. The program is popular at the local level with high attendance/graduation rates despite increased sessions. We conclude that one of the key factors has been establishing contact between families and between families and community elders.*

**Translating Longitudinal, Developmental Research with Rural African-American Families into Alcohol Prevention Programs for African-American Youth**

Steven Kogan, PhD  
University of Georgia

*In this presentation, we describe the process through which adolescent development, ethnic minority status, and the context of rural poverty influenced an NIAAA-funded program of research in which we identified the risk and protective processes forecasting rural African-American youths' alcohol use and other problem behavior, then translated this research into developmentally timed, efficacious programs to prevent alcohol use, the Strong African-American Families (SAAF) program for youth age 10-13 and SAAF-Teen (SAAF-T) for youth age 14-16, area family-centered interventions for rural youth. The process of translating longitudinal research findings into prevention programming was guided by the Institute of Medicine's prescriptions for prevention development and includes ongoing dissemination activities.*

**Moderated Discussion & Closing Remarks**

Moderator

**8:30 AM – 10:30 AM**

2.0 Contact Hours  
Woodrow Wilson C

**Training Workshop 5  
Understanding Technology Transfer for Researchers**

*Researchers, particularly in the public sector, either governmental or University researchers, make tremendous contribution to the advancement of the knowledge of science. By training other researchers, they provide for the future of public service research. Their publications inform the world freely of new findings and discoveries which not only advance the knowledge and understanding of other scientists and researchers, but also very often form the foundation for development of new products. In recent years, we have come to understand that the translation of the scientific discoveries from the laboratory to commercial entities who can develop them into products is a valuable and important aspect of scientific research. Today, virtually all governmental labs as well as most universities have an office of technology transfer which exists to serve the organization's researchers to facilitate the translation of discoveries to the marketplace. This workshop will provide researchers with knowledge and information concerning the technology transfer process, why and how they should participate, and the difficulties and realities of attempting to move basic science into a commercial product that will improve minority health and address health disparities.*

At the end of this activity, participants will be able to:

- Discover the importance of technology transfer;
- Explain the steps involved in early-stage technology licensing;
- Describe the complexity of out licensing early-stage technology; and
- Determine what is intellectual property, how it is protected, and how different forms of intellectual property may be licensed.

*This session will provide insight into the benefits of disclosing intellectual property and working with the technology transfer office to place the property with an entity which will fund development into a useful product. The goal is an understanding of technology transfer, the difficulties involved, and the complexities, so as to provide a realistic understanding and realistic expectations about outcomes from the process.*

**Moderator**

Wesley D. Blakeslee, JD  
Executive Director, Technology Transfer  
Johns Hopkins University  
Baltimore, MD

Steven M. Ferguson, CLP  
Deputy Director, Licensing & Entrepreneurship  
NIH Office of Technology Transfer  
Baltimore, MD

Martha Lessman Katz, JD, CIPP, CLP  
Gordon Feinblatt  
233 East Redwood Street  
Baltimore, MD

**Closing Remarks**

Moderator

**8:30 AM –  
10:30 AM**

**Training Workshop 6**

***Big Data Opportunities in Health Disparities: Introduction of Big Data Enabling Technology (Part I)***

2.0 Contact Hours  
Woodrow Wilson A

*This session is geared towards individuals interested in Big Data Technology and Applications as it applies to Health Disparities Issues.*

*At the end of this activity, participants will be able to:*

- *Discuss the importance of Big Data Enabling Technology as it relates to health disparities;*
- *Identify Big Data training needs for researchers and undergraduate and graduate students involved in NIMHD research; and*
- *Develop a comprehensive understanding of Big Data Collection & Sharing in the Cloud Environment, and Data Mining Techniques for Big Data Analysis.*

**Opening Remarks, Welcome, and Introductions**

Jae Eun Lee, DrPh  
Jackson State University  
Jackson, MS

James Perkins, PhD  
Clark Atlanta University  
Atlanta, GA

**Presenter**

*Overview of the NIH Big Data to Knowledge (BD2K) Program*

Michelle Dunn, PhD  
Associate Director for Data Science  
Office of the Director  
National Institutes of Health  
Bethesda, MD

**Presenter**

*How Big Data has Advanced Understanding in the Biomedical Sector*

Kenneth Mandl  
Harvard University

**8:30 AM –  
10:30 AM**

**Training Workshop 7**

***Asian American Health and Illness: Myth or Model?***

2.0 Contact Hours  
Woodrow Wilson D

*This workshop will promote awareness of the lack of information about this highly heterogeneous population including what the major diseases and illnesses are that are common with other populations and other diseases that are unique and an unnecessary burden for Asian Americans. We will provide "solutions" to these issues, and how basic and applied research in Asian American populations could and are addressing the unrecognized needs in this population to promote health equity through the science of health disparities research. Many of the strategies that will be covered are applicable to other ethnic minority population groups who bear an unnecessary and avoidable burden of disease.*

*The structure of the workshop will be didactic presentation of data on the Asian American population followed by small group projects to apply the information through critiques of case studies and collaboration plans with the goal to build knowledge (e.g., what are the issues?), raise awareness of existing programs (e.g., what and where are the programs/evaluations?), and promote policy advocacy.*

*At the end of this activity, participants will be able to:*

- *Describe the health status of the fastest-growing minority group in the United States;*
- *Delineate areas of need in the delivery of care and research regarding the health needs of Asian Americans (AA), Native Hawaiian and Other Pacific Islanders (NHOPi);*
- *Introduce a multidisciplinary model that would closely integrate research and practice with a holistic approach to health care in AA and NHOPi;*
- *Introduce how community-based services address the specific needs of the diverse AA and NHOPi populations; and*
- *Present the advocacy and policy issues for the AA and NHOPi*

**Opening Remarks, Welcome, and Introductions**

Marjorie Kagawa-Singer, RN, PhD  
Professor, Community Health Sciences  
School of Public Health  
University of California, Los Angeles  
Los Angeles, CA

**Didactic Presentations: Asian American Populations**

**Small Group Projects**

**Closing Remarks**

**LUNCH ON YOUR OWN**



**12:30 PM – 2:30 PM**      **Concurrent Training Workshop Sessions**

**12:30 PM – 2:30 PM**      **Training Workshop 8**  
**Grantsmanship – Part II**

2.0 Contact Hours  
National Harbor 3

*Principles and practices of developing successful grant proposals for research in minority health and health disparities. The workshop will consist of two sessions. Part I will present an overview of the grant process and will offer recommendations for an effective project summary, specific aims, research plan (background and significance, preliminary results, research design, and methods), appendices, and administrative sections. Part II will present an overview of protecting human subject's research and research ethics in investigator research. Examples of common errors as well as tips for avoiding them will be presented.*

At the end of this activity, participants will be able to:

- Improve the quality of minority health and health disparities research proposals submitted to NIH;
- Explain the grant review and selection process;
- Describe basic grant-development and grant-writing skills; and
- Explain ethical practices of investigator research and protection of human subject's research.

**Facilitators**

Mona Fouad, MD  
University of Alabama, Birmingham  
Birmingham, AL

Marinelle Payton, MD, PhD, MS, MPH  
Assistant Dean for Research and Program Development  
Professor of Epidemiology and Biostatistics  
Jackson State University  
Jackson, MS

**12:30 PM – 2:30 PM**      **Training Workshop 9**  
**Mentoring: Changing the Dynamics of the Academic Progression for Emerging Research Investigators**

2.0 Contact Hours  
National Harbor 2

*Mentoring is an age old process that portends a master teacher and a student. The role of mentoring as a key element in producing minority researchers is examined in this workshop. Data from NIH and other federal mentoring programs will be presented to frame the discussion. Presenters will provide the socio-historic context and current realities of mentoring including finding qualified mentors in the field and funding streams.*

At the end of this activity, participants will be able to:

- Define "mentoring;"
- Describe the importance of life-long mentoring for success;
- Develop the strategies for determining appropriate mentoring for academic progression; and
- Outline the differences between advising and mentoring.

*This session will provide an overview of the "process" of mentoring and discuss the process within the framework of academic and career progression. It will reinforce current strategies that are necessary to develop a diverse research workforce and offer techniques and strategies for maximizing mentoring through the continuum of academic progression and career achievement.*

**Opening Remarks, Welcome, and Introductions**

Sandra A. Harris-Hooker, PhD  
Vice President and Executive Vice Dean  
Research and Academic Administration  
Morehouse School of Medicine  
Atlanta, GA

**Impact of Mentoring in Lifelong Success**

Larry Laufman, EdD  
Director of Research, Section of General Internal Medicine  
Principal Investigator, Student Mentoring through Regional Scientific Symposia (NIGMS)  
Baylor College of Medicine

**The Importance of Mentorship in Career Selection Navigating the Research World through Mentoring**

Claudia R Baquet, MD, MPH  
Director, Center for Health Disparities  
University of Maryland-Baltimore  
Baltimore, MD

**Questions & Answers / Interactive Session**

**Closing Remarks**

12:30 PM –  
2:30 PM

2.0 Contact Hours  
National Harbor 10

### Training Workshop 10

#### Quantitative Research Design, Methods, and Validation of Scientific Data

*This workshop will expose participants to concepts and tools for conducting quantitative research. The instructors will explain basic principles and techniques using applied examples from the field of minority health and health disparities.*

*At the end of this activity, participants will be able to:*

- Describe the basic concepts and fundamental terms of quantitative research;
- Differentiate the major classes of quantitative research;
- Operationally apply the criteria for causality, consistency, and biologic plausibility;
- Develop a conceptual framework and design plan for a quantitative research project;
- Implement a random allocation plan using permuted block methods;
- Analyze and synthesize collected data;
- Assess the rigor, validity (internal, external, face, construct, criterion-related, discriminant, convergent), reliability, and precision of quantitative data;
- Target and integrate methodology for avoiding threats to data quality;
- Improve the generalizability of quantitative research using the RE-AIM framework
- Test hypotheses about the interrelationships among variables using factor analysis; and
- Use maximum likelihood based structural equation modeling to explore causal parameters.

*This session will promote awareness of how basic quantitative research is performed, analyzed, and interpreted in terms of its rigor, validity, reliability, and precision. A key outcome of the workshop will be to apply quantitative research methodology to improving the quality of life for underserved minority populations who have experienced systematic discrimination, institutional racism, and uncompensated social-economic hardship.*

### Opening Remarks, Welcome, and Introductions

Robert M. Mayberry, PhD  
Professor of Epidemiology  
Associate Director for Clinical Research and Community Engagement  
Morehouse School of Medicine  
Atlanta, GA

### Presenters

Jimmy T. Eford, PhD, MSc  
Director, Center for Epidemiology and Outcomes Research  
East Carolina Heart Institute  
Assistant Director, Center for Health Disparities  
Brody School of Medicine

Daniel F. Sarpong, PhD  
Endowed Chair of Health Disparities  
Associate Professor of Biostatistics  
Director, Center for Minority Health and Health Disparities Research and Education  
Xavier University of Louisiana  
New Orleans, LA

Jianqiu Michelle Zhang, PhD  
Research Assistant Professor  
Department of Electrical and Computer Engineering  
University of Texas at San Antonio  
San Antonio, TX

### Questions & Answers / Interactive Session

### Closing Remarks

12:30 PM –  
2:30 PM

2.0 Contact Hours  
National Harbor 11

### Training Workshop 11

#### Improving Scientific Collaborations in Addressing Health Disparities

*The current state of science in general and addressing health disparities in particular requires formation of research teams to urgently solve complex scientific and health problems. This imperative leads to establishing research teams of scientists from diverse disciplines using interdisciplinary, multidisciplinary, and trans-disciplinary modes of collaborations. The success of each of these research teams in reaching their self-imposed objectives may rest on being aware of the strengths and limitations of each of these modes of scientific collaborations and developing the proper professional skills to function as an effective team member. The panelists in this workshop will discuss the practical role of each mode of collaboration in addressing health disparities and will present successful examples of how they are being implemented. A particular emphasis of the workshop is how the individual researchers can learn to be an effective member in these partnerships.*

*At the end of this activity, participants will be able to:*

- Describe, theoretically and practically, how to succeed working in interdisciplinary, multidisciplinary, and transdisciplinary mode of collaborations;
- Describe how leading national groups are using these collaborating efforts to address health disparities; and
- Assist investigators to self-assess which of these types of collaborations are more appropriate for their own research enterprise.

*This session will result in highlighting a practical way in which individual researchers can have functional interactions working as interdisciplinary, multidisciplinary, and transdisciplinary research teams.*

### Opening Remarks, Welcome, and Introductions

Marino De Leon  
Professor, Department of Basic Sciences  
Director, Center for Health Disparities and Molecular Medicine  
Loma Linda University, School of Medicine  
Loma Linda, CA

### Collaborations Models in Addressing Health Disparities

Sarah Gehlert, PhD  
E. Desmond Lee Professor of Racial and Ethnic Diversity  
Washington University  
St. Louis, MO

**Interdisciplinary Team Efforts in Health Disparities Research**

Tabia H. Akintobi, PhD  
Associate Professor, Department of Community Health and Preventive Medicine  
Director, Prevention Research Center  
Morehouse School of Medicine  
Atlanta, GA

**Questions & Answers / Interactive Session**

**Closing Remarks**

Moderator

**12:30 PM – 2:30 PM**

2.0 Contact Hours  
Annapolis 3&4

**Training Workshop 12**

*Career Development for Senior Scientists:*

*A Primer on Elevating Your Capacity for Research and Leadership in a University Setting*

*Influence and effective communication are skills that are paramount for leading through inspiration. This workshop will discuss the personal attributes for succeeding in a cross-cultural environment in an academic setting. Best practices on how to set clearer goals, delegate tasks, and elevate capacity that will build productive and motivated group cultures will be discussed. Participants will be provided tools and strategies on becoming a senior University leader while integrating research as a major part of their career.*

*At the end of this activity, participants will be able to:*

- *Recognize the traits and skills critical to an administrator;*
- *Describe how to develop those skills;*
- *Define the role of mentors; and*
- *Explain the leadership portion of continuous improvement.*

*This session will address and answer the most pressing questions that transitioning senior level scientists have when navigating to higher career paths in research and leadership such as: Can senior leadership be learned? What are the essential traits and skills that provide the foundation to be a good leader? Who are the mentors you should seek? Are leadership skills essential for all faculty?*

**Opening Remarks, Welcome, and Introductions**

George Perry  
Professor and Dean, College of Sciences  
University of Texas, San Antonio  
San Antonio, TX

**Research and Leadership in Academia:  
A Mentor's Perspective**

Jose A. Torres-Ruiz, PhD  
Research Dean and Professor  
Ponce Health Sciences University  
Ponce, Puerto Rico

**An Administrator's Perspective**

Emma Fernandez-Repollet, PhD  
Former Vice President for Research and Technology  
University of Puerto Rico, Medical Sciences Campus  
San Juan, Puerto Rico

**An Ambassador's Perspective**

Valerie Montgomery Rice, MD  
President and Dean  
Morehouse School of Medicine  
Atlanta, GA

**Questions & Answers / Interactive Session**

**Closing Remarks**

**12:30 PM – 2:30 PM**

2.0 Contact Hours  
Woodrow Wilson B

**Training Workshop 13**

*Getting Published: Scientific Writing for Academic Publication*

*The purpose of this session is to provide information and focused strategies to support faculty engagement in scholarly activities that lead to academic publication(s) in high impact journals. Perspectives/presentations will be provided by senior, mid, and early career level faculty. This session is intended for junior faculty, early career investigators, and/or post-doctoral fellows interested in publication of scientific work/manuscript(s) in multi-disciplinary academic journals.*

*At the end of this activity, participants will be able to:*

- *Identify psychosocial and environmental barriers/challenges as well as solutions to improve publication productivity;*
- *Delineate advanced approaches to the development, presentation, and dissemination of research outcomes in diverse academic communities; and*
- *Establish methods for production of high quality manuscripts for publication in academic journals.*

*At the end of this session, participants will be able to understand specific strategies to use to improve the likelihood of publication of their scholarly work.*

**Opening and Introductions**

Kisha B. Holden, PhD  
Associate Professor  
Department of Psychiatry and Behavioral Sciences  
Deputy Director, Satcher Health Leadership Institute  
Morehouse School of Medicine  
Atlanta, GA

**Presenters**

George Rust, MD, MPH  
Director, National Center for Primary Care  
Professor of Family Medicine  
Morehouse School of Medicine  
Atlanta, GA

Rhonda Holliday, PhD  
Associate Professor  
Department of Community Health and Preventive Medicine  
Morehouse School of Medicine  
Atlanta, GA



Jammie Hopkins, DrPH  
 Project Director Satcher Health Leadership Institute's  
 Transdisciplinary Collaborative Center for Health Disparities  
 Research  
 Department of Community Health and Preventive Medicine  
 Morehouse School of Medicine  
 Atlanta, GA

**Questions & Answers / Interactive Session**

**Closing Remarks**

Moderator

**12:30 PM –  
2:30 PM**

2.0 Contact Hours  
 Woodrow Wilson A

**Training Workshop 14**

***Big Data Opportunities in Health Disparities: Introduction of Big Data Enabling Technology (Part II)***

*This session is geared towards individuals interested in Big Data Technology and Applications as it applies to Health Disparities Issues.*

*At the end of this activity, participants will be able to:*

- *Discuss the importance of Big Data Enabling Technology as it relates to health disparities;*
- *Identify Big Data training needs for researchers and undergraduate and graduate students involved in NIMHD research; and*
- *Develop a comprehensive understanding of Big Data Collection & Sharing in the Cloud Environment, and Data Mining Techniques for Big Data Analysis.*

**Opening Remarks, Welcome, and Introductions**

Travis Turner  
 Jackson State University  
 Jackson, MS

John Hall, PhD  
 Clark Atlanta University  
 Atlanta, GA.

*Big Data: Understanding Advancements in the Biomedical Sector:*

Kenneth D. Mandl, MD, MPH  
 Professor, Harvard Medical School  
 Chair, Biomedical Informatics and Population Health  
 Boston, MA

**Specialty Session (participants select two topics)**

*Topic 1: Data Mining Techniques for Big Data Analysis*

*Topic 2: Visualization Techniques for Big Data Analysis*

*Topic 3: Big Data Collection & Sharing in the Cloud Environment*

*Topic 4: Big Data: Examples in the Health Field*

**General Discussion and Closing Remarks**

Facilitators

**12:30 PM –  
2:30 PM**

2.0 Contact Hours  
 Woodrow Wilson C

**Training Workshop 15**

***STAR Fellowship Faculty Development Program for Increasing Health Disparity Research in Minority-Serving Institutions***

*This is a course on professional development for junior investigators. This workshop will address ongoing professional development activity for faculty from minority serving institutions.*

*At the end of this activity, participants will be able to:*

- *Describe best practices in delivering grantsmanship and grant writing skills;*
- *List mentored research development in health disparities; and*
- *Describe how being a STAR Fellow helps career development.*

*At the end of this workshop, participants will have an increased awareness about the unique fellowship program for junior investigators catered to train them in health disparities.*

**Opening Remarks, Welcome, and Introductions**

Jamboor K. Vishwanatha, PhD  
 Dean, Graduate School of Biomedical Sciences  
 Director, Texas Center for Health Disparities  
 Professor, Dept. of Molecular Biology & Immunology  
 UNT Health Sciences Center  
 Fort Worth, TX

**Highlights of the STAR Fellowship Curriculum**

Harlan Jones, PhD  
 STAR Fellowship Director  
 UNT Health Science Center

**Operational Details and Challenges**

Anindita Mukerjee, PhD  
 STAR Fellowship Co-Director  
 UNT Health Science Center

**Personal Reflections of a Former STAR Fellow**

Gregory Buck, PhD  
 Associate Professor, Dept. of Life Sciences  
 Texas A&M University  
 Corpus Christi, TX

**Personal Reflections of a Former STAR Fellow**

Bertha 'Penny' Flores, PhD, RN  
 Assistant Professor,  
 School of Nursing, Family & Community Health Systems  
 University of Texas, San Antonio  
 San Antonio, TX

**Moderated Panel Discussion and Closing Remarks**

Moderator

12:30 PM –  
2:30 PM

2.0 Contact Hours  
Woodrow Wilson D

**Training Workshop 16**  
**Developing Effective Ways to Reduce Health Disparities Through Translational Research**

Although health disparities are mostly discussed in relation to minority groups, they can occur in any individual, group or population. Many of these disparities can be eliminated, reduced or prevented through effective translational research in health settings. In this session, we will have the opportunity to become acquainted with different translational research strategies that share a common goal: to reduce racial disparities.

At the end of this activity, participants will be able to:

- Discuss different translational research strategies to reduce health disparities in minority populations
- Understand the importance of the research design for improving health outcomes through translational science
- Recognize the use of comparative effectiveness research as a tool to apply translational science to improve health care
- Explain effective ways to decrease gender and race disparities thru communication and community-based interventions

This session will increase the participant's knowledge and skills to manage effectively the challenges of becoming a leader of a multidisciplinary team by presenting scenarios in which they will learn from the experiences of other leaders, as well as having the opportunity to engage in practicing the skills of interpersonal communication.

**Opening Remarks, Welcome, and Introductions**

*In Pursuit of a Goal:*

*Aligning each member's expectations with the team's goal*

Estela S. Estape, PhD  
University of Puerto Rico, Medical Sciences Campus  
Professor, Graduate Dept., School of Health Professions  
Director, Clinical and Translational Research Education and  
Career Development Programs  
Co-Director, Hispanics in Research Capability (HIREC)  
Endowment Program

**Choosing the Team**

*Recruiting a Multidisciplinary Clinical and Translational Team:  
A Clinical Perspective*

Clemente Diaz, MD  
Associate Director  
School of Medicine  
University of Puerto Rico – Medical Sciences Campus  
San Juan, Puerto Rico

**Against All Odds**

*Managing Teamwork Dynamics and Challenges*

Barbara Segarra-Vázquez  
Academic Coordinator  
Graduate Programs, Master of Science in Clinical &  
Translational Research  
University of Puerto Rico – Medical Sciences Campus  
San Juan, Puerto Rico

**Teamwork to Reach the Goal**

*Identifying Strategies for a Successful Multidisciplinary Team*

Karen Martinez, MD, MSc  
Assistant Professor, Department of Psychiatry  
University of Puerto Rico  
San Juan, Puerto Rico

**Group Dynamics**

*Exercises for Effective Communication*

Aracelis Huertas, MEd, GCCR  
Hispanics in Research Capability (HIREC) Endowment  
Program  
Translational research & Development Project Manager  
University of Puerto Rico  
San Juan, Puerto Rico

**Questions and Answers**

Moderator

**Closing Remarks**

Moderator

2:45 PM –  
5:30 PM

2.0 Contact Hours  
Potomac A&B

**Opening and General Session I**  
**State of the Science in Achieving Global Health Equity:  
Past and Present Advances and Future Directions**

The Minority Health and Health Disparities Research and Education Act of 2000 describes health disparities as differences in “the overall rate of disease incidence, prevalence, morbidity, mortality, or survival rates in the population as compared to the health status of the general population.” Although major strides have been made in improving the many different populations that are affected by disparities, new challenges demand new approaches in achieving health equity.

This panel will discuss the evolving dimensions of US and global health. Panelists will highlight the state of the science and how the global health community might leverage innovative partnerships and shared learning for improved health outcomes. The impact of health disparities on health care, health costs, healthcare effectiveness, and the viability of public-private partnerships and their influence on achieving US and global health equity will also be addressed.

At the end of this activity, participants will be able to:

- Share relevant and inter-professional best practices in biomedical, clinical, population, and health policy research that contribute to improvements in US and global health equity among the populations who carry the burden of health disparities; and
- Highlight collaborative, sustainable, replicable, and culturally appropriate research that promotes the prevention and elimination of health disparities.

The purpose of this session is to provide a forum that recognizes innovation and excellence in US and global interdisciplinary research aimed towards eliminating health disparities.

**Color Guard Processional**

United States Marine Corps Color Guard and  
Marine Corp Band

**Official Blessings**

Planning Committee Members

*Language: Bengali*

MD Taher  
Community Health Worker  
New York University School of Medicine

Language: Swahili

**Opening Remarks and Welcome**

**Greetings (Symposium Co-Chairs)**

**Remarks**

*National Institutes of Health*

*Discuss the focus centering within the NIH Institutes and Centers to eliminate health disparities and improve minority health*

*National Institute on Minority Health and Human Services*

*Discuss the focus centering within NIMHD to eliminate health disparities and improve minority health*

**Global Health Equity Panel Discussion**

**Panelists**

**Closing Remarks**

**Dr. Maya Angelou Tribute**  
*Equality*

Josiah Ochieng, PhD  
Professor, Biochemistry and Cancer Biology  
Meharry Medical College

Valerie Montgomery Rice, MD  
Principal Investigator, NIMHD U13 Conference Grant  
President and Dean  
Morehouse School of Medicine  
Atlanta, GA

Barbara E. Hayes, PhD  
Symposium Co-Chair  
Texas Southern University  
Houston, TX

Mark C. Edberg, PhD, MA  
Symposium Co-Chair  
George Washington University  
Washington, D.C.

Francis S. Collins, MD, PhD  
Director  
National Institutes of Health

Yvonne T. Maddox, PhD (INVITED)  
Acting Director  
National Institute on Minority Health and Health Disparities

**Moderator**  
Valerie Montgomery Rice, MD  
Principal Investigator, NIMHD U13 Conference Grant  
President and Dean  
Morehouse School of Medicine  
Atlanta, GA

David Satcher, MD, PhD  
Satcher Health Leadership Institute  
Morehouse School of Medicine  
Atlanta, GA

Ali Mokdad, PhD  
Professor, Global Health  
Director, Institute for Health Metrics and Evaluation  
University of Washington  
Seattle, WA

Cheryl Heulton, DrPH  
Dean and Director, Global Institute for Public Health  
New York University  
New York, NY

David R. Williams, MDiv, MPH, PhD  
Florence Sprague Norman and Laura Smart Norman  
Professor of Public Health Department of Social and Behavioral Sciences  
Department of Society, Human Development and Health  
Harvard School of Public Health  
Harvard University  
Boston, MA

Valerie Montgomery Rice, MD  
Principal Investigator, NIMHD U13 Conference Grant  
President and Dean  
Morehouse School of Medicine  
Atlanta, GA

Ronny Antonio Bell, PhD  
Professor of Epidemiology and Prevention  
Director, Maya Angelou Center for Health Equity  
Wake Forest School of Medicine  
Winston-Salem, NC

5:30 PM –  
7:30 PM

**Scientific Poster Session I**

*This is a networking opportunity for researchers. Posters will highlight topics as presented in Concurrent Scientific Sessions – Group A. Heavy hors d'oeuvres will be served.*

Prince George's  
Exhibit Hall A&B

**Tuesday, December 2, 2014**

6:30 AM –  
5:00 PM

**Registration**

7:00 AM –  
8:15 AM

**Networking Session**  
*Peer-to-Peer Collaborations*

Potomac C&D

*This workshop will engage participants in interactive activities designed to explore critical questions related to reducing and eliminating ethnic and geographic disparities in health. Collaborative opportunities will be fostered between investigators involved in basic, clinical, and translational science, biobehavioral research, community-participatory and community-engaged research, and patient-centered outcomes and comparative effectiveness research. The thematic focus and objectives are consistent with the vision and mission of the National Institute on Minority Health and Health Disparities (NIMHD).*

At the end of this activity, participants will be able to:

- Identify research networking, resource discovery, and communication tools to initiate and sustain team-science research;
- Identify possible mentors and mentees;
- Identify potential collaborators and research resources.

*Session participants will initially participate in a directed ice-breaker activity, followed by brainstorming sessions designed to generate multi-institutional collaborations aimed at clarifying the socio-economic, environmental, epigenetic, genetic, nutritional, occupational, behavioral, and gender-based determinants of health disparities. Attendees will be encouraged to develop research questions within their groups. Research networking, resource delivery, and communication tools will be utilized to allow ongoing discussion following the Conference.*

**Discussion Leaders**

Richard Yanagihara, MD, MPhD  
University of Hawaii at Manoa

Charlotte D. Owens, MD  
Morehouse School of Medicine  
Atlanta, GA

Solomon T. Garner, Jr., PhD  
Jackson State University  
Jackson, MS

8:30 AM –  
10:00 AM

**General Session II**  
*Achieving Health Equity through a Population Health Research Paradigm – A Panel Discussion*

1.0 Contact Hour

Potomac A&B

*Health disparities research often implies targeted efforts on closing current gaps in health status experienced by disadvantaged populations. In contrast, the shift to addressing health inequities requires a deeper focus of engaging communities, employing a life course perspective, and tackling social determinants of health and health inequities. A population health research paradigm can serve as an important framework in developing strategies to achieve health equity. Effective population health interventions are often multi-faceted, community-engaged, and include health strategies that span health and non-health sectors. This session will describe underpinnings of population health research frameworks and will present strategies to achieve health equity through a population health research paradigm. The discussion will include several dimensions, such as, the use of community-based participatory research principles, a social determinants framework, a life course perspective, and the use of community health workers to bridge healthcare delivery systems and socially disadvantaged communities.*

At the end of this activity, participants will be able to:

- Describe the role of CBPR in engaging communities to improve health equity through the development of both targeted and general population health approaches that are conducted in tandem. Participants will also be able to detail how CBPR, which has traditionally been used in health disparities research, can inform relevant and meaningful population health strategies that can improve population health and health equity.
- Explain the impact of key social determinants associated with population health outcomes, such as access to health care services; culture; language/literacy; public safety; quality of education and job training; and social norms and attitudes. Participants will also be able to discuss how social determinants impact the environments which people are born into, live, learn, work, play, worship and age and that affect a wide range of health, functioning and quality-of life-outcomes and risks.
- Discuss the life course perspective or life course theory (LCT)
- Identify the different community health worker (CHW) models that are used at the interface of communities and health care delivery systems to bridge access health care and improve prevention and treatment adherence.

*This session will equip the participants with successful models that demonstrate the development of health care and clinical interventions that are aimed to improve healthcare access, patient adherence, and quality of care among underserved populations.*

**Opening Remarks**

Barbara E. Hayes, PhD  
Symposium Co-Chair  
Texas Southern University  
Houston, TX

**Official Blessings**

Planning Committee Members

*Language: Spanish*

Britt K. Rios-Ellis, PhD  
Director, NCLR/CSLUB Center for Latino Community Health, Evaluation and Leadership Training  
Centro Salud es Cultura  
Dean, California State University, Monterey Bay

**Moderator**

Judith Bradford, PhD  
Director, Center for Population Research in LGBT Health  
Fenway Institute  
Richmond, VA

**Panelists**

*Community-Based Participatory Research*

Nina Wallerstein, PhD  
Director, Center for Participatory Research  
Family Medicine / Public Health Program  
RWJF Center for Health Policy  
University of New Mexico  
Albuquerque, NM

*Life Course*

Paula Braverman, MD, MPH  
Professor, Family & Community Medicine  
University of California, San Francisco  
San Francisco, CA

Community Health Workers

Nadia Islam, PhD  
 Assistant Professor  
 Departments of Population Health, Asian American Health  
 (Community Health & Research) and Medicine  
 NYU School of Medicine  
 New York, NY

Panel Discussion / Questions and Answers

10:15 AM –  
 12:00 PM

Concurrent Scientific Sessions – Group A <sup>±</sup>

These sessions will include oral presentations of selected abstracts on: Cancer Health Disparities Research; Community-Based Participatory Research Addressing Minority Health and Health Disparities; HIV and AIDS; Immigrant Health, Migrant Health, Rural Health; SBIR/STTR Grants and Health Disparities Research; Social Determinants of Health; and other topics related to minority health and health disparities.

10:15 AM –  
 12:00 PM

Concurrent Scientific Session A1 (Cancer Health Disparities Research)

Cancer Research in Health Disparities

Track 1  
 1.5 Contact Hours  
 Woodrow Wilson A

Although cancer deaths in the United States have declined, minority populations continue to suffer from a higher incidence and/or increased severity of breast and prostate cancer. While lack of healthcare coverage and low socioeconomic status (SES) are likely contributing factors, a combination of interrelated factors, including biological factors, likely contributes to the observed disparities in cancer incidence and death. Presentations in this session will focus on breast and prostate cancer patients including, but not limited to, SES, genetics, and tumor microenvironment.

At the end of this activity, participants will be able to:

- Interpret the current state of knowledge regarding disparities in incidence of, and death from, cancer.
- Develop and pursue collaborative projects aimed at further understanding and/or reducing the burden of cancer health disparities.

This session will promote awareness of cancer disparities plaguing ethnic, racial, and underserved groups in the United States, and will facilitate collaborations aimed at reducing this unequal burden of cancer.

Opening and Introductions

Christopher Williams, PhD  
 College of Pharmacy  
 Xavier University of Louisiana

01.02.01.004

AR MUTATIONS IN AFRICAN AMERICAN PROSTATE CANCER

Shahriar Koochekpour, MD, PhD  
 Roswell Park Cancer Institute

01.02.01.059

TARGETING FKBP52/β-CATENIN INTERACTIONS IN PROSTATE CANCER

Marc B. Cox, MSPH, PhD  
 University of Texas at El Paso

01.02.01.072

DEVELOPING FASCIN INHIBITORS AS ANTI-MIGRATION AND ANTI-INVATION AGENTS

Guangdi Wang, PhD  
 Xavier University of Louisiana

01.02.01.080

ESTRADIOL INDUCES CANCER CELL PROLIFERATION BY PP2Cδ ACTIVATION

Yong Wu, MD, PhD  
 Charles Drew University of Medicine and Science

Moderated Questions & Answers

Moderator

Closing

Moderators

10:15 AM –  
 12:00 PM

Concurrent Scientific Session A2 (HIV and AIDS)

Challenges and Successes to Prevention:  
 Barriers, Broken Links, and Care – Hard to Reach Populations

Track 1  
 1.5 Contact Hours  
 Annapolis 1-4

Despite significant health promotion efforts, there remain significant disparities in HIV incidence among some minority racial/ethnic groups, sexual minority groups, incarcerated people, and other vulnerable populations. There is now a wide range of effective methods to prevent HIV infection such as behavior interventions to reduce risky sexual behavior, needle exchange programs, and most recently the advent of pre-exposure prophylaxis. This session will explore factors that exacerbate the observed disparities in HIV risk between racial/ethnic and sexual minority populations and majority populations. It will also include discussions of primary prevention efforts that have been designed to address these disparities.

At the end of this activity, participants will be able to:

- Identify factors that are increasing the risk of HIV infection in specific minority groups; and
- Describe interventions to address disparities in HIV incidence.

This session will enhance the participants' knowledge of barriers to HIV prevention and potentially effective methods to overcome these barriers and will facilitate collaborative projects to address the problem of ongoing HIV incidence in vulnerable populations. Abstracts that contain studies on HIV prevention and intervention projects will be considered for presentation in this session.

Opening and Introductions

Ronald L. Braithwaite, PhD  
 Professor, Department of Community Health and Preventive  
 Medicine, Family Medicine and Psychiatry  
 Director, Center of Excellence on Health Disparities  
 Morehouse School of Medicine

Mary Jo Trepka, MD, MSPH  
 Department of Epidemiology  
 Roberts Stempel College of Public Health and Social Work  
 Florida International University

01.05.01.001

COCAINE ENHANCES HIV-1 INTEGRATION IN CD4+ T CELLS

Amma B. Addai  
 Meharry Medical College

01.05.02.011

NEEDS ASSESSMENT TO IMPROVE CARE IN UNDERSERVED HIV PATIENTS

Antonio J. Carrion  
 Florida A&M University



**01.05.03.007**  
 HIV/AIDS RISK IN YOUTH AFTER DETENTION: A 12-YEAR LONGITUDINAL STUDY

Marquita Stokes  
 Northwestern University

**01.05.03.017**  
 FACTORS RELATED TO PARTNER COMMUNICATION IN BLACK GIRLS

Puja Seth  
 Emory University

**Moderated Questions & Answers**

Moderator

**10:15 AM –  
 12:00 PM**

**Track 4**

1.5 Contact Hours  
 Woodrow Wilson  
 B&C

**Concurrent Scientific Session A3 (Community-Based Participatory Research Addressing Minority Health and Health Disparities)**

**Best Practices and Lessons Learned: CBPR and Underserved Populations**

Community-based participatory research (CBPR) is an approach to conducting research through equitable partnerships between researchers and community partners. CBPR can foster sustainable efforts at the community level to accelerate the translation of research advances to health disparate populations and eliminate health disparities. For example, a CBPR approach can maximize relevance, rigor, and sustainable health benefits for communities. Further advancement of the CBPR translational research field will also require education, training, and development of researchers who can carry on the investigations necessary to bring scientific advances to the public.

At the end of this activity, participants will be able to:

- Describe the current state of knowledge on translational research to address health disparities in underserved populations;
- Articulate how the principles of CBPR can facilitate implementation of translational research enhance outcomes focused on health disparities; and
- Describe ways students studying in local and international settings can be involved in CBPR translational research to train the next generation of scholars.

This session will promote awareness and discussion on the role CBPR can play in facilitating implementation and outcomes of translational research to address health disparities, including development of scientists in health disparities research.

**Opening and Introductions**

Kathryn Anderson, PhD, ARNP, PMH, LMFT  
 Director, Minority Health International Research Training Prgm  
 Georgia Southern University School of Nursing

Priscilla R. Sanderson, PhD, CRC  
 Associate Professor, Health Sciences  
 Northern Arizona University  
 Flagstaff, AZ

**04.01.03.017**  
 RECRUITING A SUCCESSFUL COMMUNITY ADVISORY BOARD

Roxanne Miller  
 Sanford Research / CRCAOH

**04.01.03.058**  
 IMPLEMENTATION OF THE NAVIGATOR PROGRAM IN NYS

Lindsey Riley, MPH  
 NYU Center for the Study of Asian American Health

**04.01.03.084**  
 WALK WITH ME: USING STORIES FOR CHRONIC ILLNESS SELF-CARE

Suzanne Christopher, PhD  
 Montana State University

**04.01.01.009**  
 THE RACIALIZATION OF DISEASE: A QUALITATIVE AND QUANTITATIVE ANALYSIS OF RACE AND ETHNICITY IN BIOMEDICAL RESEARCH

Francine A. Small  
 Frank Consulting

**04.01.03.115**  
 A FAMILY-BASED INTERVENTION FOR LATINO CHILDHOOD OBESITY

Mara Bird, PhD  
 California State University, Long Beach

**Moderated Questions & Answers**

Moderator

**Closing**

Moderator

**10:15 AM –  
 12:00 PM**

**Track 2**

1.5 Contact Hours  
 Baltimore 3-5

**Concurrent Scientific Session A4 (Behavioral and Social Determinants of Health)**

**Social Determinants of Health and its Relationship to Achieving Health Equity and Eliminating Health Disparities**

Each year, millions are affected by preventable health conditions. In the United States, there are disparities in mortality and morbidity for mothers and children, especially for African Americans and other minorities. The social determinants (e.g. income, education, access to health care, social segregation) that influence health have a cascading affect throughout the family.

While co-morbidity is defined as the occurrence of more than one symptom/disorder/condition at the same time, recent studies have shown that significant proportion of people are living with co-occurring physical and mental conditions. This session will examine the relationship between behavior and social determinants of health.

At the end of this activity, participants will be able to:

- Describe the interconnection between behavior and social determinants of health; and
- Identify examples that demonstrate how social determinants impact health outcomes.

This session will promote awareness of the relationship between behavior and social determinants of health in domestic, international, rural, and urban settings and will explore the importance of family and health literacy.

**Opening and Introductions**

Gloria B. Callwood, PhD, RN, FAAN  
 PI and Director, Caribbean Exploratory Research Center  
 School of Nursing  
 University of the Virgin Islands

**02.02.03.014**  
 EXAMINING SOCIAL DETERMINANTS OF HEALTH IN SALVADOR, BRAZIL

Christine E. Stauber, PhD  
 Georgia State University

**02.02.03.030**  
 ENGAGING YOUTH THROUGH A DIABETES PUBLIC HEALTH LITERACY CAMPAIGN

Elizabeth A. Rogers, MD  
 University of Minnesota

**02.02.03.063**  
 EMPOWERING AFRICAN AMERICANS THROUGH USEFUL HEALTH INFORMATION RESOURCES IN THE CITY OF MEMPHIS, TENNESSEE

Tony Oyana, MD  
 University of Tennessee Health Science Center

**02.02.03.082**  
 REDUCING HEALTH DISPARITIES IN MATERNAL AND EARLY CHILDHOOD THROUGH IMPROVED ACCESS TO HEALTHCARE AND HOME VISITATION

Brad B. Richardson, PhD  
 University of Iowa

**02.03.02.003**  
 PROMOTIVE FACTORS OF WELL-BEING AMONG TRAUMA EXPOSED URBAN AFRICAN AMERICAN YOUTH

Ajita M. Robinson, MA, NCC, LCPC  
 Loyola University, Maryland

**Q&A / Panel Discussion**

Moderator

**Closing**

Moderator

**10:15 AM – 12:00 PM**

**Concurrent Scientific Session A5 (Rural, Migrant, and Immigrant Health)**

*Rural, Migrant, and Immigrant Health: Eliminating Health Disparities and Improving Health Equity*

Track 7

*This session will present processes and outcomes of collaborative research with rural, migrant, and immigrant communities.*

1.5 Contact Hours

*At the end of this activity, participants will be able to:*

National Harbor 2&3

- Identify the challenges and opportunities related to providing health care and services in rural, migrant, and immigrant communities;
- Apprise the complexity of adapting evidence-based protocols developed for use with urban communities to fit the context and needs of rural, migrant, and immigrant communities; and
- Identify key factors of successful application of Community-Based Participatory Research (CBPR) approaches in rural, migrant, and immigrant communities.

*This session will enhance awareness of unique challenges and opportunities in working with these communities and enhance knowledge of successful research and intervention using a CBPR approach.*

**Opening and Introductions**

John Roll, PhD  
 Professor and Senior Vice Chancellor  
 Washington State University

Victoria Behar Mitrani, PhD  
 Professor, School of Nursing and Health Sciences  
 Center of Excellence for Hispanic Health Disparities  
 Research: El Centro  
 University of Miami  
 Miami, FL

**07.03.02.002**  
 INTERNATIONAL VALIDATION OF THE AC-OK SCREEN

Ligia Chavez, PhD  
 University of Puerto Rico

**07.03.03.013**  
 TRANSLATIONAL NETWORKS: IMPLICATIONS FOR THE STUDY OF CULTURE AND HEALTH

Rosalyn Negron, PhD  
 University of Massachusetts, Boston

**07.06.03.003**  
 MICRONESIANS ARE HOSPITALIZED SICKER AND YOUNGER THAN OTHER RACIAL/ETHNIC GROUPS IN HAWAII

Megan KI Hagiwara, MPH  
 University of Hawaii, Manoa

**07.08.03.002**  
 BARRIERS TO RURAL BEHAVIORAL HEALTH SERVICES

Teri Browne, PhD, MSW  
 University of South Carolina

**07.08.03.003**  
 SUMMER TRAINING CURRICULUM IN RURAL HEALTH DISPARITIES

Jacob C. Warren, PhD  
 Mercer University

**Moderated Questions & Answers**

Moderator

**Closing**

Moderators

**10:15 AM – 12:00 PM**

**Concurrent Scientific Session A6 (Small Business Grants and Health Disparities Research)**

*Small Business Innovative Research (SBIR) & Small Business Technology Transfer (STTR)*

Track 6

*The NIMHD SBIR program may be the appropriate funding mechanism for many individuals and small businesses interested in developing innovative solutions to address the needs of underserved populations. An overview of the basic parameters of the NIMHD SBIR program and the steps to achieve a successful submission will be presented. Highlights will also include the NIH focus on specific health disparity challenges and an interactive session with symposium attendees.*

1.5 Contact Hours

*At the end of this session, participants will be able to:*

National Harbor 10

- Recognize the SBIR funding mechanism for health disparities research; and
- Assess the diversity of funded projects and the opportunities and challenges of the SBIR program.

*This session will promote awareness of the SBIR funding opportunities at NIMHD and share experiences from PIs on previously awarded SBIR projects to improve care and access for underserved groups in the United States.*

**Opening and Introductions**

Krishan Arora, PhD  
 National Institute of General Medical Sciences  
 National Institutes of Health

**06.02.02.001**

*USER-DRIVEN TOOL FOR MULTI-LINGUAL CLINICAL DIALOGS AND MEDICAL LANGUAGE ACQUISITION*

Jacqueline Holloway  
Transcendent Endeavors

**06.02.01.001**

*ENGAGING SMALL BUSINESSES IN RESEARCH*

Derrick C. Tabor, PhD  
National Institute on Minority Health and Health Disparities  
National Institutes of Health

**A Grantee's Perspective**

William Z. Tan, PhD  
Transcendent International  
New York, NY

**Interactive Discussion**

**Closing**

Moderator

**10:15 AM –  
12:00 PM**

National Harbor 11

**Networking Session**

*Meet the Experts (facilitated by RCMI Translational Research Network)*

*This networking session will enable conference attendees to convene according to shared research interests. Investigators seeking mentors and/or collaborators are encouraged to attend. There will also be representatives from NIH and other Federal Agencies discussing funding opportunities.*

*At the end of this activity, participants will be able to:*

- *Demonstrate increased interaction with other investigators with shared interests;*
- *Identify possible mentors and/or mentees; and*
- *Identify potential collaborators and resources among fellow NIMHD investigators and other NIH grantee institutions.*

*A facilitator and rapporteur will lead each table's discussion around a specific topic. "Find a Collaborator/Resource" forms will be available to foster connections and promote collaboration.*

**Leaders / Facilitators**

James Perkins, PhD  
Clark Atlanta University

Richard Yanagihara, MD, MPH  
University of Hawaii at Manoa

Keosha Partlow, PhD, MPH  
Charles Drew University of Medicine and Science

Charlotte Owens, MD  
Morehouse School of Medicine

**Federal Representatives**

Centers for Medicare and Medicaid Services  
Cara V. James

NIH Office of the Director  
Division of Diversity & Inclusion  
Kay C. Johnson Graham

NIH Office of Research on Women's Health  
Juliana M. Blome

NIH Office of Research Infrastructure Programs  
L. Tony Beck, PhD

National Cancer Institute  
Carmen Moten, PhD  
Suzanne Heurfin-Roberts

National Center for Complementary and Alternative Medicine  
Alberto Rivera-Rentas, PhD  
Emmeline Edwards, PhD  
Peter Kozel, PhD  
Alberto Rivera-Rentas, PhD

National Heart Lung and Blood Institute  
Emmanuel K. Peprah

National Human Genome Research Institute  
Charles Rotimi, PhD

National Institute on Aging  
Robin A. Barr

National Institute on Alcohol Abuse and Alcoholism  
Judith Arroyo  
Dionne C. Godette, PhD  
Sharon M. Smith

National Institute of Arthritis & Musculoskeletal & Skin Diseases  
Laura K. Moen

National Institute of Child Health and Human Development  
Shavon Artis  
Jean Flagg-Newton, PhD  
Stephen Hirschfeld, MD, MPH  
Charisee Lamar  
Estrella Parrott, MD, MPH

National Institute of Dental and Craniofacial Research  
Alicia Dombroski, PhD

National Institute on Drug Abuse  
Ericka M. Boone  
Carmen L. Rosa

National Institute of Environmental Health Sciences  
Symma Finn, PhD

National Institute of General Medical Sciences  
Robin S. Broughton

National Institute of Mental Health  
Pamela Collins  
LeShawndra Price, PhD

National Institute on Minority Health and Health Disparities  
Rick Berzon  
Dorothy Castille, PhD  
Irene Dankwa-Mullan, MD  
Rina Das  
Nishadi Rajapakse, PhD, MHS

National Institute of Neurological Disorders and Stroke  
Courtney Ferrell Aklin  
Michelle Jones-London

**12:15 PM –  
2:00 PM**

Prince George's  
Exhibit Hall A&B

**Scientific Poster Session II**

*This is a networking opportunity for researchers. Posters will highlight topics from Concurrent Scientific Sessions – Groups B and C. Lunch will be served.*

**2:15 PM – Concurrent Scientific Sessions – Group B †**

**4:00 PM**

*These sessions will include oral presentations of selected abstracts on Behavioral and Mental Health; Cancer Health Disparities Research; Clinical and Translational Science Research; Health Policy; Infectious Disease / Immunology / Autoimmunity; Nanotechnologies; and other topics related to minority health and health disparities.*

**2:15 PM – Concurrent Scientific Session B1 (Cancer Health Disparities Research)**

**4:00 PM**

**Track 1**

1.5 Contact Hours

Woodrow Wilson A

**Novel Approaches to Reduce Inequity in Cancer Burden**

*Certain minorities are more susceptible to dying at an earlier age from a variety of cancers. Low socioeconomic status and the lack of health care have been implicated in health disparities but other factors such as genetics and the environment are likely associated with the higher cancer incidence and mortality. This session will focus on novel approaches and therapies to reduce tumor incidence and mortality in minority populations.*

*At the end of this activity, participants will be able to:*

- Appraise the current state of knowledge regarding novel approaches to the treatment of cancer; and
- Develop and pursue collaborative projects aimed at further understanding and/or reducing health disparities.

*This session will highlight those areas in which health disparities in cancer are most evident among the US population, indicating the priority areas for future research, and report on novel approaches being developed to reduce health disparities.*

**Opening and Introductions**

Renato J. Aguilera, PhD  
Director of the Cytometry, Screening, and Imaging Core Facility, Border Biomedical Research Center  
University of Texas at El Paso

Xinbin Gu, MD, PhD  
Associate Dean for Research  
Howard University

Michelle Martinez-Montemayor, PhD  
Universidad Central del Caribe School of Medicine

Carolyn B. Howard, PhD  
Jackson State University

Suranganie Dharmawardhane, PhD  
University of Puerto Rico, Medical Sciences Campus

Eva McGhee, PhD  
Charles R. Drew University of Medicine and Science

Julie Dutil, PhD  
Ponce School of Medicine & Health Sciences

**01.02.01.091**

*INTERLEUKIN-6 IN INFLAMMATORY BREAST CANCER PROGRESSION*

**01.02.01.095**

*VERONIA AMYGDALINA SURPASSES PACLITAXEL TOWARD INHIBITION OF TRIPLE-NEGATIVE BREAST CANCEROUS CELL-INDUCED TUMOR GROWTH*

**01.02.01.096**

*EFFICACY OF EHOP-016 AS AN ANTI METASTATIC BREAST CANCER THERAPEUTIC*

**01.02.01.097**

*HPV16 E6/E7 INDUCED GENOMIC INSTABILITY: ER-α AND CELLULAR SEQUELAE*

**01.02.03.026**

*BRCA1 AND BRCA2 IN LATIN AMERICA AND THE CARIBBEAN: A POPULATION GENETICS AND CLINICAL PERSPECTIVE*

Moderators

**Moderated Questions & Answers**

**Closing**

Moderators

**2:15 PM –**

**4:00 PM**

**Track 1**

1.5 Contact Hours

Annapolis 1-4

**Concurrent Scientific Session B2 (Infectious Disease/Immunology/Autoimmunity-Non-HIV)**

**Metabolome and Immune Axis in Disease Pathogenesis in Minority Populations and Long-Term Disease Outcomes: Promoting an Understanding to Eliminate Health Disparities and Impacting Health Equity**

*Autoimmune diseases such as lupus erythematosus, type 1 diabetes, and multiple sclerosis affect young individuals during the most productive years of their lives. The relapsing-remitting and eventually chronic-progressive disease course of most of these disorders result in an extraordinary burden on the affected, their families, and society both in terms of suffering and sacrifices and in terms of healthcare cost and economic loss. The lack of a cure for most of these disorders and the life-long disease course magnifies the potential impact of health inequity on long-term patient outcomes. There is an urgent need to identify health inequities as they affect diagnosis, treatment, and long-term patient outcomes. This session will address key questions in this area and stimulate discussion on possible solutions and future direction on how to resolve the impact of health inequity on the outcome of autoimmune diseases.*

*At the end of this activity, participants will be able to:*

- Describe the potential impact of health inequity on autoimmune diseases; and
- Discuss potential opportunities to address health inequities as they relate to diagnosis, treatment, and long-term outcomes of autoimmune diseases.

*The purpose of this session is to raise critical awareness of the key issues concerning health inequity and long-term outcomes of patients with autoimmune diseases and to stimulate research and collaboration in this area.*

**Opening and Introductions**

Thomas Forsthuber, MD, PhD  
University of Texas at San Antonio

Fernando Villalta, PhD  
Chair and Professor, Dept. of Microbiology & Immunology  
Meharry Medical College School of Medicine  
Nashville, TN

**01.06.01.007**

*IDENTIFICATION OF PREDICTIVE PROTEIN BIOMARKERS FOR MS*

Itay Raphael  
University of Texas at San Antonio

**01.06.01.021**

*CHOLESTEROL SIDE-CHAIN DEGRADOME OF MYCOBACTERIUM TUBERCULOSIS*

Hugues Ouellet, PhD  
University of Texas at El Paso

**01.06.01.029**

PLATELET-ACTIVATING LYSOPHOSPHATIDYLCHOLINE OF TRYPANOSOMA CRUZI: STRUCTURAL AND FUNCTIONAL ANALYSIS

Felipe Gazos-Lopes, MS  
University of Texas at El Paso

**01.06.01.047**

IL-17A DEPENDANT miRNA EXPRESSION IN GENITAL CHLAMYDIAL INFECTION

Bernard Arulanandam, PhD, MBA  
University of Texas at San Antonio

**01.06.01.049**

A COMPACT DNA CASSETTE SUPPORTS KEY ASPECTS OF TCR- $\alpha$  GENE LCR ACTIVITY

Benjamin D. Ortiz, PhD  
Hunter College, City University of New York

**Moderated Questions & Answers**

Moderator

**Closing**

Moderator

**2:15 PM –  
4:00 PM**

**Concurrent Scientific Session B3 (Nanotechnologies)**

*Advances in Protein Discovery and Nanotechnology in Health Disparities Research: From Discovery to Biomedical Application*

Track 1

1.5 Contact Hours  
Woodrow Wilson  
B&C

Nanoparticles with sizes or features ranging from 1 to 100 nm are the core of the emerging field of nanotechnology. The main advantages of these materials are unique thermal, mechanical, electronic, and biological properties not found in conventional materials and linked to their surface properties (area, roughness, energetic, and electron distributions). Combining these unique properties with their remarkable recognition capabilities has resulted in systems with significantly improved performance and unique biomedical applications. Aiming to provide a ground for discussion leading to further the current knowledge within minority populations, presentations in this session will focus on the state-of-the-art advances related to the production and characterization of nanomaterials and their use to eliminate health disparities in minority populations.

At the end of this activity, participants will be able to:

- Describe the current state of knowledge regarding synthetic routes to produce nanoparticles with specific properties; and
- Develop and pursue collaborative projects aimed at the characterization of nanomaterials for further application in biomedical research and cancer therapies.

This session will present current research in the area of nanomaterials and promote awareness of potential biomedical implications of the technology including the identification of prominent properties required to integrate the implementation of these materials into cancer therapies.

**Opening and Introductions**

Miguel Jose-Yacamán  
Director, Kleberg Advanced Microscopy Center  
Department of Physics and Astronomy  
University of Texas at San Antonio

(ACCEPTED from E6)

Carlos D. Garcia, PhD  
Associate Professor, Department of Chemistry  
Assistant Director, Nanotechnology & Human Health Core  
University of Texas, San Antonio  
San Antonio, TX

**01.07.01.003**

NURR1, A TARGET OF DIM-D FOR CHEMOPREVENTION OF SKIN CANCER

Mandip Singh Sachdeva, PhD  
Florida A&M University

**01.07.01.004**

DELIVERY OF TAILORED ANALGESIC PEPTIDE-DRUG NANOCONTAINERS ACROSS THE BLOOD BRAIN BARRIER

Mandè Holford, PhD  
Hunter College, City University of New York

**01.07.01.012**

BIOMIMETIC MATERIALS FOR TOOTH CARE

Tongxin Wang, PhD  
Howard University

**Moderated Questions & Answers**

Moderators

**Closing**

Moderators

**2:15 PM –  
4:00 PM**

**Concurrent Scientific Session B4 (Clinical and Translational Science Research)**

*Developing Effective Ways to Reduce Health Disparities Through Translational Research*

Track 3

1.5 Contact Hours  
Baltimore 3-5

Although health disparities are mostly discussed in relation to minority groups, they can occur in any individual, group or population. Many of these disparities can be eliminated, reduced or prevented through effective translational research in health settings. In this session, we will have the opportunity to become acquainted with different translational research strategies that share a common goal to reduce racial disparities.

A brief summary of the themes to be presented are: a novel clinical approach to diminish cardiovascular disease disparities; the use of pathologic single nucleotide variants to reduce cancer morbidity and mortality; the use of trained transplant recipients as navigators to reduce race and gender disparities; Community-based participatory research at multiple levels to reduce racial disparities; and culturally-grounded lifestyle interventions to effectively promote statistically significant and clinically meaningful reductions in diabetes risk factors.

At the end of this activity, participants will be able to:

- Discuss different translational research strategies to reduce health disparities in minority populations;
- Describe the importance of the research design for improving health outcomes through translational science;
- Recognize the use of comparative effectiveness research as a tool to apply translational science to improve health care; and
- Explain effective ways to decrease gender and race disparities through communication and community-based interventions.

**Opening and Introductions**

Estela S. Estape, PhD  
Professor, Graduate Dept., School of Health Professions  
Director, Clinical and Translational Research Education and Career Development Programs  
University of Puerto Rico, Medical Sciences Campus



Patricia Matthews Juarez, PhD  
Co-Director, Research Center on Health Disparities, Equity,  
and the Exposome, College of Medicine  
Professor, Department of Preventive Medicine  
University of Tennessee Health Science Center

**03.01.01.011**  
*INTENSIVE THERAPY GOALS IN HYPERTENSIVE AFRICAN AMERICANS*

Aaron Brody, MD  
Wayne State University School of Medicine

**03.01.02.001**  
*NOVEL MUTATIONS BY EXOME SEQUENCING IN CRC IN AA*

Hassan Ashktorab  
Howard University

**03.01.02.008**  
*TRANSPLANT RECIPIENTS AS NAVIGATORS REDUCE DISPARITIES*

Ashwini Sehgal  
Case Western Reserve University

**03.01.02.051**  
*IMPLEMENTATION OF A WEB-BASED INTERVENTION TO IMPROVE PROVIDER  
COMMUNICATION TO REDUCE RACIAL DISPARITIES IN BLOOD PRESSURE CONTROL*

Tanjala S. Purnell, PhD, MPH  
Johns Hopkins School of Medicine

**03.01.02.053**  
*PREVENTING TYPE 2 DIABETES IN OBESE LATINO YOUTH*

Gabriel O. Shaibi, PhD  
Arizona State University

**Moderated Questions & Answers**

Moderators

**Closing**

Moderators

**2:15 PM –  
4:00 PM**

**Concurrent Scientific Session B5 (Behavioral and Mental Health)**

*Effects of Racism on Health*

*Track 2*  
1.5 Contact Hours  
National Harbor 2&3

*Racism is the beliefs, acts, and institutional measures that devalue people because of their phenotype or ethnic affiliation. It is a psychosocial stressor that threatens both the mental and physical health of many racial/ethnic minority groups in the U.S. Perceived racism has been linked to psychological distress, physiological indices of stress, and risk factors for cardiovascular disease. Adverse effects on the human stress response system that leads to immunosuppression and chronic vascular inflammation are hypothesized pathways by which racism gets “under a person’s skin.”*

*At the end of this activity, participants will be able to:*

- Explain the state-of-the science in the role racism plays in health disparities;
- Discuss the bio-psycho-social interaction and pathways from racism to disease; and
- Identify the gaps and emerging issues for future research.

*This session will increase the attendees’ understanding and appreciation for the role racism plays in the health disparities experienced by many racial/ethnic groups in the U.S. in how racism increases a person’s risk for mental and physical health problems, and what research is needed to advance the science in this area.*

**Opening and Introductions**

Kimberly Jeffries Leonard, PhD  
Deputy Director  
Center for Substance Abuse Treatment (CSAT)  
Substance Abuse and Mental Health Services Administration  
Rockville, MD

**02.01.01.003**  
*LATINOS’ MENTAL WELLBEING: RURAL, SOCIAL AND FAMILY ENVIRONMENTS*

Jeanne-Marie R. Stacciarini, PhD, RN  
University of Florida

**02.01.02.001**  
*RACIAL DISPARITIES AND COMMUNITY OUTCOMES IN SCHIZOPHRENIA*

Amber L. Bahorik, MSW  
University of Pittsburgh

**02.01.02.030**  
*TEACHING MULTICULTURAL COMPETENCE TO MINORITY COUNSELING STUDENTS*

Tanya Johnson, MA  
Barry University

**Moderated Questions & Answers**

Moderator

**Closing**

Moderator

**2:15 PM –  
4:00 PM**

**Concurrent Scientific Session B6 (Health Policy)**

*Health Policy, Health Equity, and Health Disparities*

*Track 5*  
1.5 Contact Hours  
National Harbor 10

*Much debate has ensued over the most effective health policy for providing health care to American citizens. Issues involving access to medical care, models for effective delivery of healthcare services utilization of healthcare services, continuity of care, and consumer satisfaction have all been discussed as contentious issues.*

*At the end of this activity, participants will be able to:*

- Examine policy implications that improve or hinder health outcomes; and
- Discuss interprofessional development in achieving improved health outcomes through policy initiatives.

*This session will promote awareness of workforce diversity, minorities and clinical trials, and access to care.*

**Opening and Introductions**

Paul D. Juarez, PhD  
Director, Research Center for Health Disparities, Equity, and  
the Exposome  
University of Tennessee Health Science Center

**05.02.02.003**  
*DOES STATE LEGISLATION IMPROVE NURSING WORKFORCE DIVERSITY*

Jasmine Travers, MSN  
Columbia University

**05.02.02.004**  
REPORTING OF RACE AND ETHNICITY INFORMATION IN CLINICALTRIALS.GOV

Monique L. Anderson, MD  
Duke University

**05.02.02.007**  
KIDNEY TRANSPLANT DISPARITIES DESPITE ACCESS TO QUALITY CARE

Mohua Basu, MPH  
Emory University

**05.02.02.013**  
MEDICAL STUDENT WELL-BEING AND PSYCHOSOCIAL RESOURCES: A COMPARISON OF THE EFFECTS OF RACE AND GENDER AT THE FIRST AND FOURTH YEARS OF MEDICAL SCHOOL

Rachel R. Hardeman, PhD, MPH  
VA Health Care System

**05.02.03.023**  
VARIATIONS IN FACTORS INFLUENCING HAVING A USUAL SOURCE OF CARE AMONG ASIAN AMERICAN ETHNIC ADULTS

Eva Chang, PhD, MPH  
Group Health Research Institute

**Moderated Questions & Answers**

Moderator

**Closing**

Moderator

**2:15 PM –  
4:00 PM**  
National Harbor 11

**Workshop B**  
*NIH Top Ten Fundamentals and Using RePort to Your Advantage*

The National Institutes of Health is the steward of medical and behavioral research for the Nation and is ever evolving. As NIH evolves, the goal and mission of the various Institutes are to ensure that its grantees and program administrators grow and evolve with them. This workshop will allow participants to understand the NIH process, policies, and expectations for successful grant management. The session will also provide key facts about grant applications and tools needed for successful grant administration. Participants in this workshop will be provided with a bridge of support and resources that will assist in the navigation of information to help target grant applications, key contacts at NIH, in the grantee community, and more.

Participants are encouraged to bring questions, share their experiences, learn from others, and expand their professional network.

At the end of this activity, participants will be able to:

- Apply the top 10 NIH Fundamentals for Successful Grant Management;
- Describe NIH processes, policies, and procedures for grant administration; and
- Develop a network of other Program Administrators, Managers, Coordinators and R01 Grantees to build collaborations and a support system for successful grant administration.

This technical assistance workshop for program managers, administrators, coordinators, and R01 grantees will foster new knowledge and strategy development related to minority health and health disparities by building awareness on NIH's policies and programs while serving as an active resource for program development.

**Facilitator**

Megan Columbus  
Director, Division of Communication and Outreach  
Office of Extramural Research (OER)  
National Institutes of Health (NIH)

**4:15 PM –  
6:00 PM**

**Concurrent Scientific Sessions – Group C ±**

These sessions will include oral presentations of selected abstracts on: Cardiovascular and Cerebrovascular Disease; Clinical and Translational Science Research; Community-Based Participatory Research Addressing Minority Health and Health Disparities; Global Health; Research with Indigenous Populations; Social Determinants of Health; and other topics related to minority health and health disparities.

**4:15 PM –  
6:00 PM**

**Concurrent Scientific Session C1 (Cardiovascular and Cerebrovascular Disease)**  
*Observational Research to Reduce Cardiovascular and Cerebrovascular Health Disparities in Minority Populations*

Track 1  
1.5 Contact Hours  
Woodrow Wilson A

Much can be learned from observational databases and registries of a specific disease process in minority populations. This session will focus on emerging observations research being conducted within the NIMHD portfolio to eliminate health disparities in global populations.

At the end of this activity, participants will be able to:

- Describe the current landscape of observational studies being conducted by NIMHD investigators; and
- Develop collaborative opportunities for multicenter observational research.

This session will promote awareness of observational research and highlight mechanisms to apply such an approach to cardiovascular and cerebrovascular health disparities.

**Opening and Introductions**

Marcella Nunez-Smith, MD, MHS  
Associate Professor, General Internal Medicine  
Director, Equity Research and Innovation Center  
Core Faculty, RWJF Clinical Scholars Program  
Deputy Director, Yale Center for Clinical Investigation  
Yale School of Medicine

Phillip D. Levy, MD, MPH  
Associate Professor & Associate Director of Clinical Research  
Cardiovascular Research Institute  
Wayne State University School of Medicine  
Detroit, MI

**01.03.01.010**  
EPIGENETIC REGULATION OF VASCULAR REMODELING AND HYPERTENSION

Methode Bacanamwo, PhD  
Morehouse School of Medicine

**01.03.03.004**  
BREAKING THE PARADIGM OF CLINIC-BASED COHORT STUDIES: REGARDS STUDY

Virginia J. Howard, PhD, MSPH  
University of Alabama at Birmingham

**01.03.03.008**  
PEER TRAINING OF CHWs TO IMPROVE HEART HEALTH

Robina Josiah Willock, MPH, PhD  
Morehouse School of Medicine

Revised 11/18/2014 3:30 PM Eastern

**01.03.03.013**

ADVERSE CARDIOMETABOLIC RISK PROFILE IN HISPANIC/LATINO BOYS. PRELIMINARY RESULTS FROM THE STUDY OF LATINO YOUTH (SOL-YOUTH)

Carmen R. Isasi, MD, PhD  
Albert Einstein College of Medicine

**Moderated Questions & Answers**

Moderator

**Closing**

Moderator

**4:15 PM –  
6:00 PM**

**Track 4**

1.5 Contact Hours  
Annapolis 1-4

**Concurrent Scientific Session C2 (Community Based Participatory Research Addressing Minority Health and Health Disparities)**

**CBPR as a Strategy for Promoting Social Change: Integrating Translational Research and Action**

Community-based participatory research (CBPR) integrates research, co-learning and education, and social action to improve health and reduce health disparities. This session will present actual examples of community-level interventions that have been undertaken utilizing the principles of CBPR to address health disparities. Presenters will describe the nature of the collaboration, how community partners were involved in the research process, major challenges that were encountered and how they were addressed, and results or expected results.

At the end of this activity, participants will be able to:

- Discuss the current evidence base for community-level interventions as a strategy to address health disparities; and
- Describe approaches for engaging community participants in research to improve health disparities through social change.

This session will promote awareness of how community-level interventions that utilize principles of CBPR to promote social change can be structured to address entrenched health disparities.

**Opening and Introductions**

Rachel Patzer, PhD, MPH  
Assistant Professor, Department of Surgery  
Emory University School of Medicine  
Atlanta, GA

Simona Kwon, DrPH, MPH  
Director, Center for the Study of Asian American Health  
NYU School of Medicine, Department of Population Health

**04.01.01.011**

THE RUTGERS-NEWARK AFRICAN-AMERICAN BRAIN HEALTH INITIATIVE

Ashlee M. Shaw  
Rutgers University - Newark

**04.01.02.010**

COMMUNITY-BASED RESEARCH PROGRAM COLLABORATIVE CARE MODEL

Lauren S. Bloodworth, PharmD  
University of Mississippi School of Pharmacy

**04.01.03.105**

ADDRESSING HEALTH DISPARITIES IN THE MENTAL HEALTH OF REFUGEE CHILDREN AND ADOLESCENTS THROUGH COMMUNITY BASED PARTICIPATORY RESEARCH: A STUDY IN TWO COMMUNITIES

Theresa S. Betancourt  
Harvard School of Public Health

**04.01.03.144**

PROMOTING YOUTH RESILIENCY THROUGH A TEACHER-FOCUSED PROGRAM

Michele Allen, MD  
University of Minnesota

**Moderated Questions & Answers**

Moderator

**Closing**

Moderator

**4:15 PM –  
6:00 PM**

**Track 3**

1.5 Contact Hours  
Woodrow Wilson  
B&C

**Concurrent Scientific Session C3 (Clinical and Translational Science Research)**

**From Bench to Bedside to Community**

Research exists that demonstrates the continuity between basic sciences and clinical sciences; and clinical sciences and population sciences. This session will discuss examples from basic sciences to clinical science to population science and the importance of complete translation through the processes.

At the end of this activity, participants will be able to:

- Discuss collaborative research initiatives; and
- Examine translational research models that involve transdisciplinary teams in interprofessional team science related to health disparities.

This session will demonstrate the relationship of various interprofessional and transdisciplinary health disparities research and the importance of participating in team science and transdisciplinary teams to develop and implement innovative research in health disparities.

**Opening and Introductions**

Lucile L. Adams-Campbell, PhD  
Professor  
Lombardi Comprehensive Cancer Center  
Georgetown University  
Washington, DC

Stella Nowicki, DDS  
Professor of Microbiology and Immunology  
Director for Collaborations and Partnerships  
Meharry Translational Research Center (MeTRC)  
Meharry Medical College  
Nashville, TN

**03.01.01.009**

VITAMIN D STATUS & SUPPLEMENTATION IN AMERICAN INDIAN WOMEN

Alex K. Adams, MD, PhD  
University of Wisconsin-Madison

**03.01.01.035**

IGF-II IS A LINK BETWEEN DIABETES AND BREAST CANCER AMONG AFRICAN AMERICAN WOMEN

Daisy D. De Leon, PhD  
Loma Linda University School of Medicine

**03.01.02.004**  
 IMPACT OF A RCT CRC SCREENING INTERVENTION AMONG LATINOS

Oralia G. Dominic, PhD  
 Highmark Inc  
 Penn State HMC COM PHS

**03.01.02.098**  
 HEALTH STATUS OF ASIAN SUBGROUPS IN NEW YORK, LOS ANGELES, AND SEATTLE

Nadia Islam, PhD  
 New York University School of Medicine

**03.01.03.012**  
 INTERVENTION FOR THOSE WHO DELAY/DECLINE HIV ANTIRETROVIRAL THERAPY

Marya Gwads, PhD  
 New York University College of Nursing

**Moderated Questions & Answers**

Moderator

**Closing**

Moderator

**4:15 PM –  
 6:00 PM**

**Track 2**  
 1.5 Contact Hours  
 Baltimore 3-5

**Concurrent Scientific Session C4 (Social Determinants of Health)**

**The Role of Place and Environment in Achieving Health Equity and Eliminating Health Disparities**

Where one lives largely determines access to adequate resources to optimize healthy living. The importance of place is a dimension of health disparities that needs further research.

At the end of this activity, participants will be able to:

- Discuss the importance of place in health outcomes; and
- Identify how communities can respond to improve their environment.

This session will stimulate and promote a forward-thinking framework that builds on the concept that "place matters" in health inequity planning and delivery of health services. Presentations will highlight studies and projects that place emphasis on environmental context and its impact on effective delivery of health services and creating healthy environments.

**Opening and Introductions**

Saundra Glover  
 Professor, Graduate Director  
 Associate Dean for Health Disparities & Social Justice  
 University of South Carolina

**02.02.03.029**  
 EFFECTS OF NEIGHBORHOOD ENVIRONMENT ON OBESITY IN THE URBAN OLDER ADULTS

Arlesia L. Mathis, PhD  
 Florida A&M University

**02.02.03.045**  
 RESPIRATORY INFECTION ADMISSIONS IN AMERICAN INDIAN CHILDREN

Susan E. Puumala, PhD  
 Sanford Research

**02.02.03.051**  
 VALIDATION OF RTRN DCC WEB-BASED CARE GIS APPLICATION

Jae Eun Lee, DrPH  
 RTRN Data Coordinator Center  
 Jackson State University

**02.02.03.085**  
 SOCIAL DETERMINANTS OF PRENATAL CARE USE IN WEST AFRICA

Yhenneko Taylor, PhD  
 Carolinas HealthCare System

**02.02.03.099**  
 EXPLORING SUCCESSFUL COMMUNITY REINTEGRATION AMONG INDIVIDUALS WHO HAVE BEEN FORMERLY INCARCERATED

Pamela Valera  
 Columbia University

**Moderated Questions & Answers**

Moderators

**Closing**

Moderators

**4:15 PM –  
 6:00 PM**

**Track 7**  
 1.5 Contact Hours  
 National Harbor 2&3

**Concurrent Scientific Session C5 (Global Health & International Collaborations)**

**Partnership and Capacity Building to Support Global Health Equity**

Addressing global health disparities and health equity requires a long-termed strategy of biomedical, behavioral, and social science research to reduce the disparate health burdens among underserved populations. It is critical that research is heightened to improve outcomes among others including global non-communicable and communicable diseases, shared research, and data collection. Such improvements in addressing the global health equity and disparity condition could also assist in changing the fact that less than 10% of the world research budget is spent on conditions that account for 90% of the world's disease.

At the end of this activity, participants will be able to:

- Discuss biomedical, behavioral, clinical, and social science research related to global health disparities and inequities;
- Explain international systems that affect global health and related disparities and inequities; and
- Discuss broad programs specifically designed to explore the primary issues related to improving global health.

This session will demonstrate the importance of understanding how global health is integrated into domestic health disparities and inequities and the availability of collaborations to address global health.

**Opening and Introductions**

Julie Barroso, PhD, ANP-BC, RN, FAAN  
 Professor and Associate Dean for Doctoral Programs  
 School of Nursing and Health Studies  
 University of Miami  
 Miami, FL

Harry Heiman, MD, MPH  
 Director, Division of Health Policy  
 Satcher Health Leadership Institute  
 Morehouse School of Medicine  
 Atlanta, GA

**07.02.02.001**  
 PSYCHIATRIC COMORBIDITIES IN SEX TRAFFICKING SURVIVORS IN THE DIASPORA

Leslie O. Nwoke, MPH, MD  
 Morehouse School of Medicine

**07.02.03.009**  
RACE, WATER, AND CONTAMINATION IN THE DOMINICAN REPUBLIC

Jessica Brown  
Georgia State University

**07.02.03.017**  
DEVELOPMENT OF A TRANSDISCIPLINARY HEALTH DISPARITIES ACTION PLAN FOR THE ELIMINATION OR REDUCTION OF RACIAL DISPARITIES IN HEALTH IN THE US AND BRAZIL: A BINATIONAL COLLABORATION

Julio C. Dicient Taillepierre, MS  
Centers for Disease Control and Prevention

**07.02.03.019**  
CULTURE AND PERCEPTION OF HEPATITIS B AMONG TIBETAN REFUGEES

Trinley Palmo  
Department of Health, Central Tibetan Administration

**07.09.03.017**  
BIRTHING PROJECT'S AYZH SISTER FRIEND SAFE BIRTH KIT PROGRAM

Sarah J. Urbanowicz  
Birthing Project USA

**Moderated Questions & Answers**

Moderator

4:15 PM –  
6:00 PM

**Concurrent Scientific Session C6 (Research with Indigenous Populations)**

*Lessons Learned in Collaborative Research in Indigenous Populations*

Track 7

*This session will share stories of journey, both processes and outcomes, of collaborative research in indigenous populations.*

1.5 Contact Hours

*At the end of this activity, participants will be able to:*

National Harbor 10

- Describe the significant health disparities that exist in indigenous populations and the lack of effective strategies to address these disparities;
- Assess the complexity of adapting evidenced-based protocols for conducting behavioral and public health research in indigenous populations; and
- Identify key factors of successful implementation of Community-based Participatory Research (CBPR) approaches in indigenous populations.

*This session will enhance awareness of disparities in indigenous populations and gain knowledge about CBPR approaches to conducting research in those communities.*

**Opening and Introductions**

Ronny Antonio Bell, PhD  
Professor of Epidemiology and Prevention  
Director, Maya Angelou Center for Health Equity  
Wake Forest School of Medicine

**07.07.03.004**  
A CULTURALLY ADAPTED URBAN AMERICAN INDIAN PARENTING PROGRAM

Stephen S. Kulis  
Arizona State University

**07.07.03.010**  
ECODEVELOPMENTAL INFLUENCES IMPACTING URBAN AMERICAN INDIAN YOUTH

Stephanie Ayers, PhD  
Arizona State University

**07.07.03.015**  
ADDRESSING MAYAN HEALTH DISPARITIES: YE'ETEL MAAYA'AJ PAAKAT

Britt K. Rios-Ellis, PhD  
California State University, Long Beach

**07.07.03.021**  
PILOT-TESTING COMMUNITY-IDENTIFIED STRATEGIES DURING A RECESS INTERVENTION IN AN ELEMENTARY SCHOOL ON AN AMERICAN INDIAN RESERVATION IN NORTHWESTERN MONTANA

Vernon Grant, MS  
University of Montana

**Moderated Questions & Answers**

Moderator

4:15 PM –  
6:00 PM

**Workshop C**

*The Challenges of Conducting a Randomized Intervention for Increasing Minorities in Clinical Trials*

National Harbor 11

*Underrepresentation of racial and ethnic minorities in clinical trials is an ongoing challenge. Without participant diversity in clinical research we will not understand the true benefits and risks of new therapies for racial and ethnic minority groups. Research in the field of minority recruitment is critical to the development and implementation of evidence-based strategies/interventions to increase minority participation in clinical research. Speakers will discuss the challenges experienced and lessons learned from conducting randomized recruitment interventions to increase minority participation in clinical trials.*

*At the end of this activity, participants will be able to:*

- Detail the importance of minority representation in clinical trials;
- Discuss the importance of designing and conducting randomized minority recruitment trials;
- Describe the challenges involved when implementing recruitment trials to increase minority participation;
- Explain options for resolving the challenges; and
- Describe the ethical issues related to minority recruitment.

*Session participants will (1) understand the need for randomized recruitment trials and (2) be more willing to design randomized recruitment interventions to participate in recruitment interventions as investigators and coordinators.*

**Opening and Introductions**

Derrick C. Tabor, PhD  
Program Director, Center of Excellence Program  
National Institute on Minority Health and Health Disparities

**The NIMHD Perspective**

Jennifer Alvidrez, PhD  
Program Official  
National Institute on Minority Health and Health Disparities

**Recruiting Sites for a Trial Focusing on Minority Recruitment**

Barbara C. Tilley, PhD  
Professor & Division Director  
University of Texas Health Science Center at Houston

**Lessons Learned from AAMEN a Minority Recruitment Trial**

Marvella E. Ford, PhD  
Professor  
Medical University of South Carolina



**Ethical Issues for Physicians Referring Minorities to Trials**

Arch Mainous, III, PhD  
HSRMP Department Chair  
University of Florida

**Questions & Answers**

**Closing**

Moderator

**6:30 PM – 8:30 PM**

**The Power of Research Networks and Collaborations \***

*Special Presentations featuring the Eastern Caribbean Health Outcomes Research Network (ECHORN) and the RCMI Translational Research Network Services (RTRN)*

*Explore opportunities to collaborate on research and other activities to reduce and eliminate health disparities and improve minority health.*

**6:30 PM – 7:30 PM**

**Eastern Caribbean Health Outcomes Research Network: Non-Communicable Disease Research in the Caribbean**

1.0 Contact Hour  
National Harbor 11

*The Caribbean region has the highest burden of non-communicable disease (NCD) in the Americas. The Eastern Caribbean Health Outcomes Research Network (ECHORN) was established in 2011 as a novel collaboration across five inaugural academic health center members. ECHORN's infrastructure supports longitudinal population-based NCD data collection, biospecimen banking, and capacity strengthening specific to health disparities in cardiovascular disease, diabetes, and cancer in Caribbean communities. ECHORN aims to contribute unique and relevant data to policymakers developing a comprehensive regional strategic response to the NCD epidemic. Panelists / speakers will discuss the implementation of this cross-island initiative and how the generation of research locally helps to address the issue of minority health and health disparities.*

*At the end of this activity, participants will be able to:*

- Describe the activities of the Eastern Caribbean Health Outcomes Research network (ECHORN);
- Detail the importance and relevance of conducting longitudinal health disparities research locally and using population-relevant data to inform non-communicable disease (NCD) policy and strategic planning; and
- Explore opportunities to collaborate on research and other activities to reduce and eliminate NCD health disparities among people of Caribbean descent.

**Moderator**

Terri Ann Thompson, PhD  
Yale University  
New Haven, CT

**Panelists**

O. Peter Adams, MD, DM  
University of the West Indies  
Cave Springs, Augustline

Rohan Maharaj, MD, DM  
University of the West Indies  
Cave Springs, Augustline

Cruz Nazario-Delgado, PhD  
University of Puerto Rico  
San Juan, PR

Maxine Nunez, DrPH, MSN, RN  
University of the Virgin Islands  
St. Thomas, USVI

Marcella Nunez-Smith, MD, MHS  
Associate Professor, General Internal Medicine  
Director, Equity Research and Innovation Center  
Core Faculty, RWJF Clinical Scholars Program  
Deputy Director, Yale Center for Clinical Investigation  
Yale School of Medicine  
New Haven, CT

**Closing**

Moderator

**6:30 PM – 7:30 PM**

**RCMI Translational Research Network Services: Discover How the Network Can Support Your Current and Future Research Activities**

Potomac C&D

*The RCMI Translational Research Network (RTRN) provides infrastructure to support multi-institutional collaborative research projects involving investigators within and beyond the 18 RCMI grantee institutions. The purpose of this workshop is to introduce and promote awareness of RTRN Services. The workshop will highlight RTRN Services and provide ample opportunity for Symposium attendees to meet and network with investigators who have utilized RTRN Services and find research resources. This theme and the following objectives are consistent with the vision and mission of the NIMHD.*

*At the end of this activity, participants will be able to:*

- Demonstrate increased knowledge of RTRN Services; and
- Identify contacts for additional information or to request RTRN services.

*Topics will include information that explains what types of services are offered, who might benefit from these services, and how and where investigators can access such services. Selected investigators will discuss how RTRN provided assistance with the process and outcomes of their inter-institutional collaborative projects. Networking and communication tools will be utilized to foster ongoing discussion following the workshop.*

**Interactive Presentation**

Richard Yanagihara, MD, MPH  
University of Hawaii at Manoa

Charlotte D. Owens, MD  
Morehouse School of Medicine  
Atlanta, GA

M. Edwina Barnett, MD, PhD, MBA, CCBMI  
Jackson State University  
Jackson, MS

Revised 11/18/2014 3:30 PM Eastern

7:00 AM –  
12:30 PM

**Registration**

7:30 AM –  
8:45 AM

**Networking Session**

*Meet the Experts (facilitated by RCMI Translational Research Network)*

Potomac C&D

*This networking session will enable symposium attendees to convene according to shared research interests. Investigators seeking mentors and / or collaborators are encouraged to attend. There will also be representatives from NIH and other Federal Agencies discussing funding opportunities.*

*At the end of this activity, participants will be able to:*

- *Demonstrate increased interaction with other investigators with shared interests;*
- *Identify possible mentors and/or mentees; and*
- *Identify potential collaborators and resources among fellow NIMHD investigators and other NIH grantee institutions.*

*A facilitator and rapporteur will lead each table's discussion around a specific topic. "Find a Collaborator/Resource" forms will be available to foster connections and promote collaboration.*

**Leaders / Facilitators**

Emma Fernandez-Repollet, PhD  
University of Puerto Rico, Medical Sciences Campus

James Perkins, PhD  
Clark Atlanta University

Richard Yanagihara, MD, MPH  
University of Hawaii at Manoa

Keosha Parlow, PhD, MPH  
Charles Drew University of Medicine and Science

Charlotte Owens, MD  
Morehouse School of Medicine

**Federal Representatives**

Centers for Medicare and Medicaid Services  
Chris Haffer, MD

NIH Office of the Director  
Division of Diversity & Inclusion  
Kay C. Johnson Graham

NIH Office of Research Infrastructure Programs  
L. Tony Beck, PhD

NIH Clinical Center  
Walter Jones, MHSA

National Cancer Institute  
Suzanne Heurtin-Roberts  
Carmen Moten, PhD

National Human Genome Research Institute  
Charles Rotimi, PhD

National Institute on Alcohol Abuse and Alcoholism  
Sharon M. Smith

National Institute of Allergy and Infectious Disease  
Diane Adger-Johnson, PhD

National Institute of Child Health and Human Development  
Shavon Artis  
Rosalina Bray  
Jean Flagg-Newton, PhD  
Stephen Hirschfeld, MD, MPH  
Charisee Lamar  
Della White

National Institute on Drug Abuse  
Carmen L. Rosa

National Institute of Environmental Health Sciences  
Symma Finn, PhD

National Institute of Mental Health  
Charlene E. LeFauve, PhD  
LeShawndra Price, PhD

National Institute on Minority Health and Health Disparities  
Irene Dankwa-Mullan, MD  
Derrick C. Tabor, PhD  
Joan Wasserman, PhD

National Institute of Nursing Research  
David Banks, PhD  
Mary C. Roary, PhD

9:00 AM –  
10:30 AM

**General Session III**

*Transdisciplinary Social, Behavioral, and Clinical Approaches for Understanding and Achieving Health Equity in Cardiovascular, Cerebrovascular, and Related Peripheral-Vascular Diseases*

1.25 Contact Hours  
Potomac A&B

*This session will examine the ethnic- and racial-specific variation and determinants underlying health disparities in cardiovascular, cerebrovascular, and peripheral vascular diseases and address strategies for understanding and achieving equity in this field.*

*At the end of this activity, participants should be able to:*

- *Describe the current state of knowledge regarding disparities in cardiovascular, cerebrovascular, and related peripheral vascular diseases;*
- *Formulate better future strategies by incorporating knowledge of the epidemiology and social determinants of these diseases; and*
- *Define a vision for transdisciplinary work both within and outside of their respective institutions which seeks to reduce regionally relevant disparities.*

*This session will promote the awareness of cardiovascular, cerebrovascular, and related peripheral vascular diseases among priority populations. The immediate goals are to facilitate discussion; facilitate collaborations aimed at reducing this health disparity; and to clarify contemporary trends in the context of clinical and epidemiologic data, which will help shape future directions and guidelines in the prevention, management, and risk reduction of these diseases, at both the national and global levels.*

**Opening Remarks**

Mark C. Edberg, PhD, MA  
Symposium Co-Chair  
George Washington University  
Washington, D.C.

**Moderators**

Jimmy T. Efirid, PhD, MSc  
East Carolina Heart Institute  
Center for Health Disparities  
Body School of Medicine  
Greenville, NC

Phillip D. Levy, MD, MPH  
Associate Professor & Associate Director of Clinical Research  
Cardiovascular Research Institute  
Wayne State University School of Medicine  
Detroit, MI

Bernadetta Boden-Albala, MPH, DrPH  
Associate Dean for Program Development  
Chief, Division of Social Epidemiology  
Professor of Public Health, Neurology & Dentistry  
Global Institute of Public Health  
New York University  
New York, NY

**Keynote Presentation**

*Global Challenges of Vascular Epidemiology*

*10 Years After the Landmark African-American Heart Failure Trial:  
Are We Making Progress Toward Health Equity*

*Envisioning More Progress Towards Equity:  
A Focus on Implementation Research*

Philip B. Gorelick, MD, MPH  
Mercy Health Hauenstein Neurosciences  
Grand Rapids, MI

Elizabeth O. Ofili, MD  
Professor of Medicine  
Senior Associate Dean for Clinical and Translational Research  
Morehouse School of Medicine  
Atlanta, GA

George A. Mensah, MD (INVITED)  
Director, Center for Translational Research and  
Implementation Science (CTRIS)  
National Heart, Lung, and Blood Institute  
Bethesda, MD

**Questions & Answers**

Moderator

**Closing Remarks**

Moderator

**10:45 AM –  
12:30 PM**

**Concurrent Scientific Sessions – Group D <sup>\*</sup>**

*These sessions will include oral presentations of selected abstracts on: Health Related Technology Applications and Health Disparities in Minority Populations; Lesbian, Gay, Bisexual, Transgender, and Intersex (LGBTI); Men's Health; Proteomic Applications in Basic Research; Science of Metabolic Disease; Violence and Health Disparities; and other topics related to minority health and health disparities.*

**10:45 PM –  
12:30 PM**

**Concurrent Scientific Session D1 (Proteomic Applications in Basic Research)**

*New Advances in Protein Discovery and Health Disparities Research*

**Track 1**

1.5 Contact Hours  
Woodrow Wilson A

*New advances in protein chemistry include discovery of the structure of novel proteins and their functions in metabolism and diseases. Relevant translational research and clinical application are currently underway to treat many health disparities disease such as diabetes, cancer, and age-related macular degeneration. Presenters will explain recent advances in protein structure and function and how they use new knowledge to address the issue of minority health and health disparities.*

*At the end of this activity, participants will be able to:*

- Explain new advances in protein discovery;
- Describe how leading scientists are currently performing translational research and clinical trials on health disparities research using newly discovered proteins; and
- Develop and pursue collaborative projects aimed at further understanding and/or reducing the burden of novel proteins and their application to reduce and eliminate health disparities.

*This session will promote awareness of how basic research in protein chemistry is currently being applied in clinical applications on minority health and health disparities plaguing ethnic, racial, and underserved groups in the United States, and will facilitate collaborations aimed at reducing this unequal burden of these diseases.*

**Opening and Introductions**

Stephen B.H. Bach, PhD  
University of Texas at San Antonio

Andrew Tsin, PhD  
Prof & Dir, Center for Research and Training in the Sciences  
PI, RCMI Ctr for Interdisciplinary Health Research  
University of Texas at San Antonio

**01.09.01.002**

AHSG-REGULATED PROTEOMIC ALTERATIONS IN HNSCC LINE SQ20B

Victor Parmov, PhD  
Meharry Medical College

**01.09.01.006**

GLYCOPROTEOMICS AND DISEASE DIAGNOSIS

William Alley  
University of Texas at San Antonio

**01.09.01.008**

IDENTIFICATION OF ALPHA-ENOLASE AS A CANDIDATE TUMOR ASSOCIATED AUTOANTIGEN IN AFRICAN AMERICAN MEN WITH PROSTATE CANCER USING IMMUNOSEROPROTEOMICS

Carlos A. Casiano, PhD  
Loma Linda University School of Medicine

**01.09.01.009**

MASS SPECTROMETRY IMAGING AS A NOVEL METHOD FOR BIOMARKER ID IN T1D

Shamina M. Aubuchon, PhD  
Hampton University

**Moderated Questions & Answers**

Moderator

**Closing**

Moderator

10:45 AM –  
12:30 PM

Track 7

1.5 Contact Hours

Annapolis 1-4

**Concurrent Scientific Session D2 (Lesbian, Gay, Bisexual, Transgender, and Intersex)**

**Health Disparities in LGBT Populations: Prevalence, Challenges, and Promising Solutions**

Increased attention to the health of sexual and gender minority populations was generated by publication of the Institute of Medicine's 2011 report "The Health of Lesbian, Gay, Bisexual, and Transgender People – Building a Foundation for Better Understanding." At the request of the National Institutes of Health, an IOM committee assessed the state of knowledge about the health of LGBT people, identified conceptual frameworks of use in framing research with sexual and gender minority populations, identified research gaps and opportunities, and made seven recommendations for NIH consideration. Since release of this report, the NIH has taken important actions to increase funding opportunities for research with LGBT populations, expand training opportunities for students and scientists who wish to conduct research with LGBT populations, develop effective methodologies for research with sexual and gender minorities, and build and maintain collaborations with LGBT scientists and community leaders to ensure effective expansion of the field. In early 2013, the NIH expanded its response to the IOM report by including attention to health concerns of sexual minorities who identify as questioning, queer, and/or intersex.

This session will provide current information about the health status of LGBT people and the social conditions associated with their increased presentation of health disparities and healthcare access challenges compared to heterosexuals. Participants will engage in discussions about challenges and promising approaches that may lead to effective interventions for improving sexual and gender minority health. Opportunities for funding and training in this emerging field will be presented.

At the end of this activity, participants will be able to:

- Identify and describe prominent health disparities among sexual and gender minorities;
- Discuss conceptual frameworks for understanding and conducting health equity research with sexual and gender minorities; and
- Describe and/or evaluate the effectiveness of promising approaches to advance health equity in partnership with LGBT individuals and communities.

**Opening and Introductions**

Judith Bradford, PhD  
Director, Center for Population Research in LGBT Health  
Fenway Institute  
Boston, MA

**07.04.02.001**

GAY/BISEXUAL MEN'S ACCURACY IN PREDICTING DAILY INTERCOURSE

Jeffrey T. Parsons, PhD  
Hunter College, City University of New York

**07.04.03.003**

THE LIVED EXPERIENCE OF TRANSGENDER NURSING STUDENTS

Pamela Levesque, DNP, APRN-BC, FNP,CNE  
University of North Carolina-Wilmington

**07.04.03.004**

USING MEDICARE CLAIMS DATA TO IDENTIFY GENDER MINORITIES

Samuel C. Haffer, PhD  
CMS Office of Minority Health

**07.04.03.005**

COMPARISON OF HIV+ CIS- AND TRANSGENDER INDIVIDUALS IN FLORIDA

Kristopher P. Fennie, PhD, MPH  
Florida International University

**07.04.03.006**

DISCLOSURE OF SEXUAL ORIENTATION/GENDER IDENTITY IN LGBTI PATIENTS

Amber Anders  
Yale School of Medicine

**Q&A / Panel Discussion**

Moderator

**Closing**

Moderator

10:45 AM –  
12:30 PM

Track 6

1.5 Contact Hours

Woodrow Wilson  
B&C

**Concurrent Scientific Session D3 (Health Related Technology and Health Disparities in Minority Populations)**

**Mitigating Health Disparities Utilizing Technology Solutions**

Many entrepreneurs are engaging in inspiring work to get life-saving and disparity-mitigating products in the marketplace. This session will showcase the practical, effective strategies and mechanisms on the market that focus on eliminating health disparities while delivering health education and health intervention to underserved populations. Entrepreneurs will share insights to what sparked inspiration for their innovative products/services, the R&D process undertaken to create a winning product, and the necessary steps to bring the innovation to the marketplace and into the hands of the end user.

At the end of this activity, participants will be able to:

- Identify challenges faced by specific underserved populations and brainstorm solutions; and
- List at least three strategies for developing innovative solutions that are geared to underserved end-users.

This session will showcase best practices in solution development for specific end-users that are currently underserved by the innovator community.

**Opening and Introductions**

Charles Lee, MD  
Polyglot Systems, Inc.

**06.01.02.013**

ADVANCED USE OF HEALTH INFORMATICS TO ADDRESS BEHAVIORAL HEALTH DISPARITIES ACROSS OPIOID TREATMENT PROGRAMS (OTPs)

Wilson J. Washington, Jr., MS  
Substance Abuse and Mental Health Services Administration

**06.01.03.013**

PHONE-DELIVERED HEALTH STRATEGY REDUCES HIV/STD RISK IN AFRICAN AMERICAN WOMEN

Ralph J. DiClemente, PhD  
Rollins School of Public Health  
Emory University

**06.01.01.003**

ALTERNATIVE LIGHT SOURCE AND COLORIMETRY: ADDRESSING THE DISPARITY IN FORENSIC CLINICAL ASSESSMENT

Katherine N. Scafide, PhD, RN  
Georgetown University School of Nursing & Health Studies

**06.01.03.016**

PATIENT PERSPECTIVES AND LESSONS FROM A VIRTUAL PCMH

Andrew McWilliams, MD, MPH  
Carolinas HealthCare System

**06.01.01.018**  
 PROBING ALZHEIMER'S DISEASE USING IMAGING MASS SPECTROMETRY

Andrea R. Kelley  
 University of Texas at San Antonio

**Moderated Questions & Answers**

Moderator

**Closing**

Moderator

**10:45 AM –  
 12:30 PM**

**Concurrent Scientific Session D4 (Sciences of Metabolic Disease)**

*Biological & Socioeconomic Determinants of Metabolic Diseases: Evolution and Elimination*

Track 1  
 1.5 Contact Hours  
 Baltimore 3-5

The current literature suggests that exposure of children to maternal obesity is as strong a predictor of risk for Metabolic Syndrome (MS) as is Large Gestational Age (LGA) status. Exposure intrauterine to either diabetes or maternal obesity can predict children who are at increased risk of MS. Children with MS will continue the cycle of obesity, insulin resistance and their consequences (Type 2 diabetes mellitus (T2DM), and cardiovascular diseases as well as other chronic diseases) into future generations. This session will examine the independent effects of maternity obesity, T2DM, and their relationships to long-term systemic childhood obesity in the United States. It will explore epigenetic factors and community influences that may contribute to obesity and MS in mothers and children such as stressors at the molecular level, residential segregation, and community assets such as parks, grocery stores, etc. This session will conclude with a discussion about the importance of developing and implementing a national strategy for the prevention of maternal and childhood obesity.

At the end of this activity, participants will be able to:

- Describe the epigenetic factors and community influences that may contribute to obesity and metabolic syndrome;
- Discuss epigenetic research findings on childhood obesity and the effects of exposure of intrauterine diabetes or maternal obesity;
- Explain personal and population health interventions to prevent childhood obesity from an environmental health and/or ecological perspective; and
- Discuss elements of a national strategy for the prevention of obesity and metabolic syndrome.

This session will demonstrate:

- The importance of understanding the effects of childhood metabolic syndrome on the onset of chronic diseases in adulthood;
- The necessity for preventive services focus on dietary needs, nutrition, and exercises;
- The epigenetic contributions to maternal and childhood metabolic syndrome; and
- Why a family-focused national strategy for obesity and metabolic syndrome must be implemented.

**Opening and Introductions**

Patricia Matthews Juarez, PhD  
 Co-Director, Research Center on Health Disparities, Equity, and the Exposome, College of Medicine  
 Professor, Department of Preventive Medicine  
 University of Tennessee Health Science Center

Marino De Leon  
 Professor, Department of Basic Science  
 Director, Center for Health Disparities and Molecular Medicine  
 Loma Linda University, School of Medicine  
 Loma Linda, CA

**01.10.01.002**  
 ETHNIC DIFFERENCES IN ADIPOKINES LEVEL DURING PREGNANCY

Xinhua Chen  
 Rowan University – School of Osteopathic Medicine

**01.10.01.014**  
 EDUCATION LOWERS ANTI-PALMITATE ANTIBODIES IN HISPANIC DIABETICS

Dequina A. Nicholas  
 Loma Linda University

**01.10.01.015**  
 METABOLIC ADVANTAGES OF FOLLISTATIN OVER-EXPRESSION IN MICE

Rajan Singh, PhD  
 Charles R. Drew University of Medicine and Science

**01.10.03.001**  
 METABOLIC SYNDROME SEVERITY IN THE JACKSON HEART STUDY

Mark D. DeBoer, MD, MSc  
 University of Virginia

**01.10.03.002**  
 EARLIER ONSET OF DIABETES IN RURAL AFRICAN AMERICAN MALES

Mildred A. Pointer, PhD  
 North Carolina Central University

**Moderated Questions & Answers**

Moderator

**Closing**

Moderator

**10:45 AM –  
 12:30 PM**

**Concurrent Scientific Session D5 (Men's Health)**

*Addressing Men's Health Across the Research Spectrum*

Track 7  
 1.5 Contact Hours  
 National Harbor 2&3

Increasing research evidence suggests that there are significant biological and health differences between the sexes. This session will present abstracts that address morbidity and mortality (M&M) in men; M&M in comparison to women; and the integration of biomedical, clinical, and population science interventions that address the improvement of health and wellbeing of men.

At the end of this activity, participants will be able to:

- Discuss the major health risks faced by men;
- Explore interventions including messaging that is targeted at men;
- Examine health, masculinity, and their associated stigmas; and
- Discuss underlying differences of biological mechanisms in men.

Desired Outcomes:

- Increase awareness about differences between genders
- Provide models around messaging targeting men
- Understand effective models and strategies about men's health across the research spectrum.

**Opening and Introductions**

Mary C. Roary, PhD  
 National Institute of Nursing Research



**07.05.02.002**

ACES INFLUENCE INJURY PSYCHOLOGICAL OUTCOMES IN BLACK MEN

Therese S. Richmond, PhD, CRNP, FAAN  
University of Pennsylvania

**07.05.02.003**

INTENTIONS TO SCREEN FOR PROSTATE CANCER IN BLACK MEN LESS THAN 40 YEARS OLD

Motolani E. Ogunsanya, PharmD  
University of Texas at Austin

**07.05.03.005**

FACILITATING "ACCESS" IN ACA HEALTH CARE ACCESSIBILITY: DECREASING HEALTH DISPARITIES AMONG EX-OFFENDER MEN OF COLOR

Rashida Dorsey, PhD, MPH  
US Department of Health and Human Services

**07.05.03.006**

MEN'S HEALTH STUDY: ADDRESSING HEALTHY LIFESTYLE BEHAVIORS

Brian Rivers  
Moffitt Cancer Center

**Moderated Questions & Answers**

Moderators

**Closing**

Moderators

**10:45 AM –  
12:30 PM**

**Track 1**

1.5 Contact Hours

National Harbor 10

**Concurrent Scientific Session D6 (Gene Environment Interactions and Neuroscience)**

*Gene Environment Interactions and Neuroscience*

*This session will discuss the burgeoning evidence that health disparities in these risks, and the ability to reliably diagnose and treat sleep disorders in increasingly diverse populations, are largely dependent on complex but tractable interactions between genetic factors and environmental challenges. This session will focus on how these interactions influence the neural regulation of sleep as well as the importance of co-morbidities that are more prevalent in minority populations. We will also discuss emerging molecular and genetic technologies to study and eventually contribute to the development of better treatments for sleep disorders.*

*At the end of this activity, participants will be able to:*

- *Expand the knowledge of molecular, cellular, and neural mechanisms by which risk factors including genetic factors, environmental factors, social interactions, life style, and stress contribute to the neurological and psychiatric disorders disparate in ethnic and racial minorities; and*
- *Describe new insights for effective prevention and intervention strategies.*

*The anticipated outcomes of this session are to:*

- *Emphasize the importance of gene environment interactions and neuroscience in the prevention of morbidity and mortality in medically underserved populations; and*
- *Provide strategic approaches to better understand gene environment interactions and neuroscience.*

**Opening and Introductions**

Ketema Paul, PhD  
Associate Professor of Neurobiology  
Morehouse School of Medicine  
Atlanta, GA

Karine Fenelon, PhD  
Assistant Professor, Department of Biological Sciences  
Border Biomedical Research Center  
University of Texas, El Paso

**01.04.01.008**

REGULATION OF ERYTHRO-MEGAKARYOCYTIC LINEAGE DIVERGENCE BY RGS18

Ananya Sengupta  
City College of New York, City University of New York

**01.08.01.030**

MULTIFACETED GENETIC APPROACHES TO UNDERSTAND THE MECHANISM UNDERLYING ETHANOL-INDUCED BEHAVIORAL DISINHIBITION

Kaitlyn M. Forster  
University of Texas at El Paso

**01.08.01.033**

DESIGN AND BIOLOGICAL EVALUATION OF ANTI-EPILEPTIC COMPOUNDS USING HIPPOCAMPAL SLICES

Rachid Skouta, PhD  
University of Texas at El Paso

**01.08.01.038**

NEUROPROTECTIVE AND NEUROTOXIC INTERACTIONS OF THE ENDOCANNABINOID AND METABOTROPIC GLUTAMATE RECEPTOR SYSTEMS IN THE OLFACTORY SYSTEM

Brian T. Oliver  
Howard University College of Medicine

**01.08.01.039**

ROLE OF YIN YANG 1 AND HDACS IN MANGANESE-REDUCED GLT-1 PROMOTER ACTIVITY

Eunsook Lee, PhD  
Meharry Medical College

**Moderated Questions & Answers**

Moderators

**Closing**

Moderators

10:45 AM –  
12:30 PM

**Workshop D**  
**NIH Public Access Compliance and Policy Updates**

National Harbor 11

The NIH Public Access Policy requires investigators to submit peer reviewed manuscripts arising from NIH funds to the free digital archive PubMed Central. This session will review this policy and showcase new features in the National Library of Medicine's My Bibliography. This workshop will also cover compliance and basic fundamentals of three core areas: Availability, Accessibility, and Monitored. Participants will be provided with the tools to ensure that articles based on NIH-funded research are publicly available, accessible integration of NIH-funded research results fosters discovery, encourages new interdisciplinary collaborations, and the research priority areas of NIH are pursued more competitively.

At the end of this activity, participants will be able to:

- Effectively manage the submission and compliance process of all managed grants within their respective programs;
- Navigate the National Library of Medicine's My Bibliography; and
- Describe the compliance policy and basic fundamentals of the NIH Public Access Policy.

This technical assistance workshop will provide program managers, administrators, coordinators, and R01 grantees of minority health and health disparities grants with a fundamental knowledge of policy that allows NIH the ability to monitor, mine, and develop its portfolio of taxpayer funded research more effectively.

**Facilitators**

Neil Thakur, Ph.D.  
Special Assistant to the NIH Deputy Dir for Extramural Res  
Program Manager, NIH Public Access Policy  
Office of Extramural Research (OER)  
National Institutes of Health (NIH)

Kathryn Funk, M.L.S.  
Program Specialist and Librarian for PubMed Central  
National Library of Medicine (NLM)  
National Institutes of Health (NIH)

Bart Trawick, Ph.D.  
Literature Resources Lead  
National Center for Biotechnology Information (NCBI)  
National Library of Medicine (NLM)  
National Institutes of Health (NIH)

12:45 PM –  
2:30 PM

**Scientific Poster Session III**

This is a networking opportunity for researchers. Lunch will be served.

Prince George's  
Exhibit Hall A&B

2:45 PM –  
4:30 PM

**Concurrent Scientific Sessions – Group E<sup>\*</sup>**

These sessions will include oral presentations of selected abstracts on: Behavioral and Mental Health; Biomedical Informatics and Computational Biology; Complementary and Alternative Medicine; Environmental Science; Gene Environment Interactions; Health Information Technology and Health Disparities in Minority Populations; Infectious Disease / Immunology / Autoimmunity; Neuroscience; Pharmaceutical Sciences / Pharmacokinetics / Drug Delivery; Women's Health; and other topics related to minority health and health disparities

2:45 PM –  
4:30 PM

**Concurrent Scientific Session E1 (Biomedical Informatics and Computational Biology)**

**Challenges and Successes to Prevention:  
Barriers, Broken Links, and Care – Hard to Reach Populations**

Track 1

1.5 Contact Hours  
Woodrow Wilson A

Biomedical and Computational Biology are having an unprecedented impact in the resolution of problems in the clinical and biosciences. Increasing availability of information within these areas provide an important opportunity towards the resolution of problems of biological, biomedical, and clinical significance, especially in addressing health disparities:

At the end of this activity, participants will be able to:

- Describe some of the advances in bioinformatics and minority health research; and
- Discuss the relationship(s) between cellular proteomes and collective cellular structures.

This session will provide insight into current research that addresses bioinformatics and molecular discoveries and their relationship to minority health and health disparities.

**Opening and Introductions**

(ACCEPTED from D5)

Rachid Skouta, PhD  
Assistant Professor, Biological Sciences and Chemistry  
University of Texas, El Paso  
El Paso, TX

(ACCEPTED from A6)

Dong Liang, PhD  
Professor and Chair, Department of Pharmaceutical Sciences  
College of Pharmacy and Health Sciences  
Texas Southern University

**01.01.01.003**

IDENTIFICATION OF LOCI ASSOCIATED WITH IgE LEVELS IN LATINOS

Maria Pino-Yanes, PhD  
University of California San Francisco

**01.01.01.013**

BIOINFORMATICS CLOUD COMPUTING FOR GENOMICS IN MINORITY HEALTH RESEARCH

Konstantinos Krampis  
Hunter College, City University of New York

**01.01.01.014**

DISCOVERY OF HIT MOLECULES BY VIRTUAL HIGH-THROUGHPUT SCREENING FOR PHOSPHODIESTERASE 10A INHIBITORY ACTIVITY

Charlotta D. Mock  
Texas Southern University

**01.01.01.017**

"SPRING-DB": A BIOINFORMATICS PIPELINE FOR GENOMIC SURVEILLANCE OF BACTERIAL PATHOGENS

Weigang Qiu  
Hunter College, City University of New York

**01.01.03.001**

ALIGNMENT TO AN ANCESTRY SPECIFIC REFERENCE GENOME DISCOVERS ADDITIONAL VARIANTS AMONG THE MH-GRID COHORT

Adam R. Davis, Sr., PhD  
National Human Genome Research Institute

**Moderated Questions & Answers**

Moderator

**Closing**

Moderator

**2:45 PM – 4:30 PM**

Track 3

1.5 Contact Hours  
Annapolis 1-4

**Concurrent Scientific Session E2 (Complementary and Alternative Medicine, Environmental and Pharmaceutical Sciences)**

**Cross-Disciplinary Approaches to CAM, Environmental and Pharmaceutical Sciences**

Combining Complementary and Alternative Medicine (CAM), pharmaceutical sciences and environment health concerns creates a unique opportunity to address public health issues related to non-traditional medication delivery systems, health consumerism and the impact of environmental factors including scientific and medical applications in detection and imaging to improve health outcomes.

At the end of the session, participants will be able to:

- Discuss measures of environmental exposures and how these pollutant exposures relate to health;
- Describe computerization and imaging's relationship to health outcomes; and
- Describe treatment patterns of a prominent disease in special populations.

**Opening and Introductions**

Marcelo Tolmasky, PhD  
Director, Center for Applied Biotechnology Studies  
Department of Biological Sciences  
College of Natural Sciences and Mathematics  
California State University, Fullerton

Glorisa Canino, PhD  
University of Puerto Rico

Darryl B. Hood, PhD  
Ohio State University College of Public Health

**03.03.02.007**

PUBLIC HEALTH EXPOSOME STRATEGIES TO COMMUNICATE RISK FROM EXPOSURE TO ENVIRONMENTAL POLLUTANTS IN COMMUNITIES WITH DISPARATE HEALTH OUTCOMES

**03.03.03.004**

THE CORRELATION BETWEEN TOILET AVAILABILITY AND ESCHERICHIA COLI PRESENCE IN PUBLIC-ACCESS WATER IN THE DOMINICAN REPUBLIC

Dominique Smith  
Georgia State University

**03.04.01.003**

COMPUTER OPTIMIZATION OF NANOPARTICLE FABRICATION

Emmanuel O. Akala, RPh, PhD  
Howard University

**03.04.01.004**

CHELATOR FOR SAFE POSITRON EMISSION TOMOGRAPHY WITH ZR-89

Lynn C. Francesconi  
Hunter College, City University of New York

**03.04.03.003**

PRESCRIBING PATTERS IN THE TREATMENT OF HYPERTENSION AMONG UNDERSERVED AFRICAN-AMERICAN ELDERLY

Hamed Yazdanshenas, MD  
Charles R. Drew University of Medicine and Science  
University of California, Los Angeles

**Moderated Questions & Answers**

Moderator

**Closing**

Moderator

**2:45 PM – 4:30 PM**

Track 2

1.5 Contact Hours  
Woodrow Wilson  
B&C

**Concurrent Scientific Session E3 (Behavioral and Mental Health)**

**Behavioral and Mental Health Issues and Its Impact on Health Services to Minority Populations**

Many minority populations in the U.S. have unique behavioral and mental health issues due to acculturative stressors, discrimination, and other social stigma. Thus, they face numerous challenges to seeking and receiving behavioral and mental health services, such as the availability of culturally-relevant screening and assessment tools, culturally-competent providers, and culturally-safe therapeutic milieus. This session will examine the evidence on behavioral and mental health issues affecting the help-seeking behaviors and treatment of ethnic minorities in the U.S. to improve minority health and eliminate health disparities.

At the end of this activity, participants will be able to:

- Describe major behavioral and mental health barriers for people in seeking services;
- Discuss studies on stigma associated with help-seeking behaviors and treatment in minority populations; and
- Identify gaps and challenges for future research.

This session will shed light on attendees' understanding and interest in the complex role of treatment providers to patients with behavioral and mental health conditions and significance of developing culturally-competent assessment and intervention strategies for minority populations.

**Opening and Introductions**

Joseph Keawe'aimoku Kaholokula, PhD  
Professor and Chair  
Department of Native Hawaiian Health  
University of Hawaii

**02.01.02.020**

NEUROPSYCHOLOGICAL PROFILE IN HISPANIC WOMEN WITH HIV INFECTION

Valerie Wojna, MD  
University of Puerto Rico, Medical Sciences Campus

**02.01.02.027**

MENTAL ILLNESS STIGMA INTERVENTION AMONG BLACK COLLEGE STUDENTS

Tahirah O. Abdullah, PhD  
University of Massachusetts, Boston

**02.01.02.032**

USING A NARRATIVE FILM TO LEARN ABOUT SPANISH-SPEAKING LATINOS' VIEWS OF PSYCHOSIS

Maria Y. Hernandez, PhD  
University of Southern California

**02.01.03.034**  
 MINORITY COLLEGE WOMEN'S VIEWS ON CONDOM NEGOTIATION

TyWanda McLaurin-Jones  
 Howard University College of Medicine

**Moderated Questions & Answers**

(TBD)  
 (Affiliation)

**Closing**

Moderators

**2:45 PM –  
 4:30 PM**

**Concurrent Scientific Session E4 (Health Information Technology and Health Disparities in Minority Populations)**

**Track 5**

**Employing Health Information Technology in Minority Populations to Eliminate Health Disparities**

1.5 Contact Hours  
 Baltimore 3-5

*This session focuses on the mechanisms of technology applications for chronic disease management, with consideration of providers, payors, HIT professionals, and consumers.*

*At the end of this activity, participants will be able to:*

- Discuss the state of the science in HIT used for improving patient health, knowledge, and behavior in minority populations;
- Evaluate usefulness of selected technology mechanisms (mHealth, e-health, EMR/EHR portals, etc.) for improving health literacy among vulnerable populations, especially those with self-management needs; and
- Discuss implementation issues using HIT to improve health literacy in disparity populations.

*This session will:*

- Identify at least one technology mechanism for use in health education among disparity populations;
- Evaluate best HIT practices for effective health literacy improvement among health disparity populations; and
- Discuss implementation strategies for HIT use to improve health literacy in disparate populations.

**Opening and Introductions**

Debra C. Wallace, PhD, RN  
 University of North Carolina, Greensboro

Jie Hu, PhD, RN  
 School of Nursing  
 University of North Carolina at Greensboro

**04.01.02.007**  
 CREATING A DATA ARCHITECTURE FOR LOS ANGELES DATA RESOURCE

Sukrit Mukherjee, MS, MSE  
 Charles R. Drew University of Medicine and Science

**05.01.02.002**  
 ADVANCING HIT POLICY TO ACHIEVE HEALTH EQUITY

Megan D. Douglas, JD  
 Morehouse School of Medicine

**05.01.03.002**  
 HEALTH DISPARITIES IN THE NATIONAL COUNTY HEALTH RANKINGS

David Hollar, PhD  
 Pfeiffer University

**05.01.03.008**  
 DESCRIPTIVE ANALYSIS OF THE VALUE AND CHALLENGES TO CONDUCTING HEALTH CARE DISPARITIES RESEARCH USING ALL PAYER CLAIMS DATA

Sylvia D. Hobbs, MPH  
 Commonwealth of Massachusetts

**05.01.03.009**  
 COMMUNITY HEALTH WORKER PERSPECTIVES ON THE ADMINISTRATION OF A STANDARDIZED TRAINING CURRICULUM FOR THE STATE OF FLORIDA: A QUALITATIVE ANALYSIS

Danyell S. Wilson, PhD  
 Bowie State University

**Q&A / Panel Discussion**

Moderators

**Closing**

Moderators

**2:45 PM –  
 4:30 PM**

**Concurrent Scientific Session E5 (Women's Health)**

**Improving Women's Health Across the Lifespan**

**Track 7**

*Reproductive health, as defined by the World Health Organization (WHO), is a state of complete physical, mental, and social well-being in all matters relating to the reproductive system at all stages of life. Minority women – mainly African Americans, Native Americans, and Hispanics – have greater anxiety about health declines than do Whites, given their elevated risk of many illnesses and their shorter life expectancy (American Heart Association, 2004; National Cancer Institute, 2003). Moreover, racial and ethnic minorities experience higher rates of morbidity and mortality than non-minorities. This process of female aging across the life span is due to changes in hormone levels of the hypothalamic-pituitary-ovarian axis. This axis affects the physical body (i.e. cardiovascular and bone changes) as well as the entire reproductive tract, while also producing psychological changes (mental health) which may involve the intricate relationships of women. Therefore, the overall goal of this session is to provide a comprehensive knowledge of neuro-endocrine implication in women, its relationship to reproduction, cardiac health, and other related biomedical, clinical, and population science strategies.*

*At the end of this activity, participants will be able to:*

- Discuss female health, especially reproductive health across the lifespan;
- Describe benchmark biomedical and clinical discoveries that address female health across the lifespan;
- Identify population-based strategies that are effective in improving health outcomes in ethnic and minority women; and
- Explain which aspects of sexual health are likely to change with age and how to adapt.

*Desired Outcomes:*

- Improved awareness of collaborative research opportunities around women's health;
- How to support a healthy aging process through biomedical, clinical, and population sciences;
- Present opportunities that address the need for more basic and clinical research in the area of women's health; and
- Better understand the development of the latest minority women's healthcare initiatives.

**Opening and Introductions**

Indrajit Chowdhury  
 Morehouse School of Medicine  
 Atlanta, GA

**07.09.03.001**

THE OGLALA SIOUX TRIBE CHOICES PROGRAM

Jessica D. Hanson  
Sanford Research

**07.09.03.006**

CERVICAL CANCER PREVENTION AND LANGUAGE USE IN HEALTH EDUCATION

Bertha E. Flores, PhD, RN  
University of Texas Health Science Center

**07.09.03.008**

MUSLIM AMERICANS RESEARCHING FOR HEALTH AND BUILDING ALLIANCES (MARHABA): A STUDY OF BREAST AND CERVICAL CANCER SCREENING BARRIERS AND FACILITATORS AMONG MUSLIM WOMEN IN NEW YORK CITY

Nadia Islam, PhD  
New York University Medical Center

**07.09.03.011**

TRANSDISCIPLINARY COLLABORATIONS TO INCREASE AWARENESS OF PRETERM BIRTH IN PUERTO RICO: LESSONS LEARNED FROM PROTECT PARTICIPANTS AND THE COMMUNITY

Liza V. Anzalota, MD, MPH  
University of Puerto Rico School of Public Health

**07.09.03.019**

THE ROLE OF ALCOHOL AND ILLICIT DRUG USE IN EXPOSURE TO SEXUAL VIOLENCE AMONG IMPOVERISHED WOMEN WHO LIVE IN PUBLIC HOUSING IN PUERTO RICO

Lisa R. Norman, PhD  
Ponce School of Medicine and Health Sciences

**Moderated Questions & Answers**

Moderator

**Closing**

Moderator

2:45 PM –  
4:30 PM

Track 1

1.5 Contact Hours  
National Harbor 10

**Concurrent Scientific Session E6 (Infectious Disease/Immunology/Autoimmunity-Non-HIV)**

*Metabolome and Immune Axis in Disease Pathogenesis in Minority Population: Promoting an Understanding to Eliminate Health Disparities*

*There is an accumulating evidence to suggest that metabolites, biochemical processes, and ensuing pathways may reflect physiological status and disease phenotype. Metabolic disorders such as obesity modulate the immune system and subsequent susceptibility to infection. The aims of this session are to provide a forum to promote further understanding of the interaction of the metabolome and key functions within the innate and adaptive immune response towards infectious disease in minority populations.*

*At the end of this activity, participants will be able to:*

- Discuss the cellular and biochemical mediators that may contribute to the metabolic and immune axis in disease pathogenesis; and
- Describe strategies by which immune modulation may be utilized to treat metabolic disease.

*The purpose of this session is to provide insight into metabolic imbalances and disease pathogenesis.*

**Opening and Introductions**

Bernard Arulanandam, PhD, MBA  
University of Texas at San Antonio

Fernando Villalta, PhD  
Chair and Professor, Dept. of Microbiology & Immunology  
Meharry Medical College School of Medicine  
Nashville, TN

**01.04.01.006**

EFFECT OF BENZO(A)PYRENE ON RAT MYOMETRIUM

Chandrasekhar Thota, PhD  
Meharry Medical College

**01.06.01.050**

CHARACTERIZATION OF IMMUNE DYSREGULATION IN SICKLE CELL DISEASE

Olakunle O. Kassim, PhD, MPH  
Howard University College of Medicine

**01.06.01.052**

MAPPING AN EPITOPE IN EBNA-1 THAT ELICITS CROSS-REACTIVITY WITH DSDNA

Linda A. Spatz, PhD  
Sophie Davis School of Biomedical Education  
City College of New York, City University of New York

**01.06.01.054**

UNCOVERING "PROBIOTICS" IN IMMUNE-BOOSTING HER

Akira Kawamura, PhD  
Hunter College, City University of New York

**Q&A / Panel Discussion**

Moderators

**Closing**

Moderators

2:45 PM –  
4:30 PM

Potomac A&B

**Workshop E**

*Unique Methods for Financing and Accelerating Commercialization of Biomedical Technologies*

*As new products, methods, and strategies are developed at government and academic laboratories in America, barriers exist that inhibit the commercialization processes. Panelists/speakers will identify new strategies and funding sources to help effectively commercialize academic and federal research projects.*

*At the end of this activity, participants will be able to:*

- Identify financial resources for commercializing biomedical technologies;
- Develop strategies for seeking commercialization partnerships to accelerate commercialization; and
- Identify intellectual property and research resources for commercializing novel biomedical technologies.

*This session will encourage participants to identify and engage in strategic commercialization partnerships that accelerate the commercialization of federal research. Participants will become familiar with unique financing models for commercializing biomedical drugs, methods, and devices developed for minority and underrepresented populations.*

**Opening and Introductions**

Tanaga A. Boozer, JD, MBA  
Program Advisor  
United States Patent & Trademark Office  
Alexandria, VA



**Creating Commercialization Partnerships with Federal Laboratories**

Steven M. Ferguson, PhD  
Deputy Director  
Office of Technology Transfer  
National Institutes of Health

**Novel Finance Models for Commercializing Biomedical Research**

Lactase Briggs, PhD  
Associate Director  
Philanthropy Services  
Faster Cures

**Intellectual Property and Technology Transfer Resources for Researchers**

Anthony Knight, JD  
Deputy Assistant Commissioner  
Office of Innovation Development  
United States Patent & Trademark Office  
Alexandria, VA

**Q&A / Panel Discussion**

**Closing**

Moderator

**4:30 PM – 6:00 PM**

**General Session IV: Closing and Awards Ceremony**

*Transdisciplinary Collaborations: A Call to Action*

0.5 Contact Hours  
Potomac A&B

*Transdisciplinary research and its approaches to eliminate health disparities and improve health equity highlight the scientific and societal value of inclusion in developing effective problem-solving strategies. Engagement models across disciplines require all parties involved to formulate effective collaborations amongst researchers, community members, and policy makers. Individuals engaged in these activities must reflect and represent the populations served by the research including disciplines (e.g. diverse professionals, health advocates, and communities) so that research represents the populations for which its benefit is intended.*

*At the end of this activity, participants will be able to:*

- *Identify trans-NIH strategy to address the need to promote diversity in the biomedical research workforce; and*
- *Discuss the national diversity partnership developed to engage and prepare a diverse population to succeed in biomedical research careers.*

*This session will discuss the transformation of biomedical research workforce to enhance the NIH mission through a more diverse and robust workforce, attracting talented individuals from all population sectors.*

**Moderator**

Kyung-An Han, PhD  
Director of Neuroscience and Metabolic Disorders  
Border Biomedical Research Center  
University of Texas, El Paso

**Remarks – Conference Co-Chairs**

Mark C. Edberg, PhD, MA  
Symposium Co-Chair  
George Washington University  
Washington, D.C.

Barbara E. Hayes, PhD  
Symposium Co-Chair  
Texas Southern University  
Houston, TX

**Special Presentation/End Note**  
*Scientific Workforce Diversity*

Hannah A. Valantine, MD, MRCP  
Chief Officer, Scientific Workforce Diversity  
National Institutes of Health

**Research Excellence Award Lecture & Presentation**

Glorisa Canino, PhD  
Director, Behavioral Sciences Research Institute  
University of Puerto Rico, Medical Sciences Campus  
San Juan, PR

**Awards and Special Presentations**

**Remarks – NIMHD Director**

Yvonne T. Maddox, PhD  
Acting Director  
National Institute on Minority Health and Health Disparities

**Closing Remarks**

Valerie Montgomery Rice, MD  
Principal Investigator, NIMHD U13 Conference Grant  
President and Dean  
Morehouse School of Medicine  
Atlanta, GA

**Closing Blessing and Charge**

Joseph Keawe'aimoku Kaholokula, PhD  
Professor and Chair  
Department of Native Hawaiian Health  
University of Hawaii

**Retiring of the Colors**

US Marine Corps Color Guard

**7:00 PM – 10:00 PM**

**Networking Event**

<b>Track 1 – Basic and Pre-Clinical Minority Health and Health Disparities Research (10 sessions)</b>	
<i>Health disparities are impacted across several domains of basic and applied research. Presentations will include examples of emerging discoveries and examine the scope and challenges involved in the dissemination of evidence-based science across the basic and applied science pipeline from discovery to development, to delivery to policy.</i>	
1. Biomedical Informatics and Computational Biology	E1
2. Cancer Health Disparities Research	A1, B1
3. Cardiovascular and Cerebrovascular Disease	C1
4. Gene Environment Interactions	D6
5. HIV and AIDS	A2
6. Infectious Disease / Immunology / Autoimmunity (non HIV)	B2, E6
7. Nanotechnologies	B3
8. Neuroscience	E6
9. Proteomic Applications in Basic Research	D1
10. Science of Metabolic Disease	D4
<b>Track 2 – Behavioral and Social Determinants of Health (5 sessions)</b>	
<i>Political, economic, and social forces make up the gaps in knowledge needed to implement public policy structures that strengthen the social determinants of problematic health areas. Human rights, sociology, epidemiology, education, and stigma impact the various social determinants of health, including behaviors like violence. This session is developed to improve understanding of the forces that drive the quality of various social determinants of health and how research is translated into action.</i>	
1. Behavioral and Mental Health	B5, E3
2. Social Determinants of Health	A4, C4
3. Violence and Health Disparities	
<b>Track 3 – Clinical and Translational Minority Health and Health Disparities Research (3 sessions)</b>	
<i>Clinical and translational research aids in fostering collaborations across and among researchers and networks. Strategic partnerships can further engage a range of public and private stakeholders and entities in all phases of research, particularly in minority health and health disparities research and health equity.</i>	
<i>CTMHDR presentations will discuss how collaborative research “facilitates and accelerates the translation of laboratory discoveries into new and better preventive and treatment solutions to improve human health and well-being.” These presentations will be enhanced by including Pharmaceutical Sciences, Complementary and Alternative Medicine, and Environmental Science, areas that are critical but may often be overlooked in the discussion.</i>	
1. Clinical and Translational Science Research	B4, C3
2. Complementary and Alternative Medicine	E2
3. Environmental Science	E2
4. Pharmaceutical Sciences / Pharmacokinetics / Drug Delivery	E2
<b>Track 4 – Community-Based Participatory Research Addressing Minority Health and Health Disparities (2 sessions)</b>	
<i>Community based participatory research provides unique and meaningful contributions across disciplines. Its methodological approach aids in redefining and broadening the application of CBPR, and serves an important function in improving the health, well-being, care, and outcomes of traditionally disenfranchised population and groups at risk. CBPR related presentations will address traditional and non-traditional research approaches that advance the field of knowledge; test a community based intervention; and describe the processes for sustaining and translating the findings including biomedical, clinical and population sciences applications.</i>	
1. Community-Based Participatory Research Addressing Minority Health and Health Disparities	A3, C2
<b>Track 5 – Health and Healthcare Policy Research (2 sessions)</b>	
<i>Health policy research provides evidence essential for decision-makers in evaluating organizational performance for health and well-being. The information gathering and dissemination processes for health policy research reflects the role of the providers, consumers, communities and policy makers; and their influences on health outcomes, including public and private interests.</i>	
<i>As technology becomes more critical in gathering and disseminating this information, the advances therein will be driven by demand from those who provide the health and health care related services to a more informed consumer and end user of the services. Health information technology stands at the forefront of bridging the conceptualization of these advances to their successful implementation.</i>	
1. Health Information Technology and Health Disparities in Minority Populations	E4
2. Health Policy	B6
<b>Track 6 – Health Related Technology Application for Advancing Minority Health and Health Disparities Research (2 sessions)</b>	
<i>Small Business Innovative Research (SBIR) and Small Business Technology Transfer (STTR) encourages exploration of technological potential and provides the incentive to profit from its commercialization. Stimulating high tech innovation, including small business in the research and development arena, creates an entrepreneurial spirit while aiding in meeting specific research and development needs.</i>	
<i>Presentations within these sessions will highlight accomplishments of the SBIR /STTR program, including the use of technology to enhance research outcomes.</i>	
1. Health Related Technology Applications and Health Disparities in Minority Populations	D3
2. SBIR/STTR Grants and Health Disparities Research	A6
<b>Track 7 – Research in Special Population Sub-Groups and Global Health (6 sessions)</b>	
<i>Developing relevant and applicable health outcomes measures for the general population emphasizes the necessity to examine the needs and requirements of special subgroups. Establishing a research agenda, identifying research outcomes or special issues in working with specific sub-population groups, i.e. gender, sexuality, geographic, citizenship, cultural backgrounds, form the objectives for these sessions.</i>	
1. Child and Adolescent Health	
2. Global Health	C5
3. Immigrant Health	A5
4. Lesbian, Gay, Bisexual, Transgender, and Intersex (LGBTI)	D2
5. Men's Health	D5
6. Migrant Health	A5
7. Research with Indigenous Populations	C6
8. Rural Health	A5
9. Women's Health	E5