# PROGRAM AGENDA

**Sunday, November 30, 2014**

| 3:00 PM – 7:00 PM | Registration |

**Monday, December 1, 2014**

| 6:30 AM – 5:00 PM | Registration |

| 7:00 AM – 8:15 AM | Frederick C. Greenwood Memorial Award |

**Potomac A&B**

**Frederick C. Greenwood Memorial Award**

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.

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.

**Opening Remarks**

Karam FA Soliman, PhD  
Associate Dean for Research  
Distinguished Professor, Basic Pharmaceutical Sciences  
RCMI Program Director  
Florida A&M University  
Tallahassee, FL

**The Frederick C. Greenwood Award**

William M. Southerland, PhD  
Professor of Biochemistry  
Howard University, College of Medicine

**Award Presentation**

Karam FA Soliman, PhD  
Associate Dean for Research  
Distinguished Professor, Basic Pharmaceutical Sciences  
RCMI Program Director  
Florida A&M University  
Tallahassee, FL

**Introduction of the Speaker**

William M. Southerland, PhD  
Professor of Biochemistry  
Howard University, College of Medicine

**Greenwood Memorial Lecture**

*Ebola and Malaria as Case Studies in Health Equity*

Richard Yanagihara, MD  
Professor of Pediatrics and Tropical Medicine  
Director, Research Coordinating Center  
RCMI Translational Research Network  
University of Hawaii  
Honolulu, Hawaii

| 8:30 AM – 12:15 PM | NIMHD Grantee Meeting and Program Specific Breakout Sessions † |

| 8:30 AM – 10:00 AM | NIMHD Grantee General Session ‡ |

**Potomac C&D**

| 10:00 AM – 10:15 AM | Break |

| 10:15 AM – 12:15 PM | Grantee Breakout Session 1 † |

**Potomac 3**

*NIMHD Research Centers in Minority Institutions (RCMI) Program*

| 10:15 AM – 12:15 PM | Grantee Breakout Session 2 † |

**Potomac 4**

*NIMHD Centers of Excellence (COE) Program*

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† Current NIMHD Grantees  
‡ Pre-Registration Required  
§ Concurrent Scientific Sessions
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10:15 AM – 12:15 PM</td>
<td>Grantee Breakout Session 3 †</td>
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<tr>
<td>Potomac 5</td>
<td>NIMHD Transdisciplinary Collaborative Research Centers (TCC) Program</td>
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<tr>
<td>10:15 AM – 12:15 PM</td>
<td>Grantee Breakout Session 4 †</td>
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<td>Potomac 6</td>
<td>NIMHD Loan Repayment Program (LRP)</td>
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<td>10:15 AM – 12:15 PM</td>
<td>Grantee Breakout Session 5 †</td>
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<tr>
<td>Baltimore 1</td>
<td>NIMHD Community-Based Participatory Research (CBPR) Program</td>
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<tr>
<td>10:15 AM – 12:15 PM</td>
<td>Grantee Breakout Session 6 †</td>
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<tr>
<td>Baltimore 2</td>
<td>NIMHD Minority Health and Health Disparities International Research Training (MHIRT) Program</td>
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<td>10:15 AM – 12:15 PM</td>
<td>Grantee Breakout Session 7 †</td>
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<tr>
<td>Baltimore 3</td>
<td>NIMHD Small Business Innovation Research / Small Business Technology Transfer (SBIR/STTR) Program</td>
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<tr>
<td>8:30 AM – 10:30 AM</td>
<td>Concurrent Training Workshops</td>
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<tr>
<td>8:30 AM – 10:30 AM</td>
<td>Training Workshop 1</td>
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<td>National Harbor 2</td>
<td>Young Investigators and Leadership</td>
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<td>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:</td>
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<td>• Describe the importance of building a network that fosters support and encourages collaboration;</td>
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<td>• Identify strategies for balancing a research career with other responsibilities and interests; and</td>
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<td>• Develop a professional toolkit for success in academic medicine and scientific research.</td>
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<td>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.</td>
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<tr>
<td>Facilitator</td>
<td>Robin Fuchs-Young, PhD</td>
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<td>Professor, Department of Molecular and Cellular Medicine</td>
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<td>Institute of Bioscience and Technology</td>
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<td>Texas A&amp;M Health Science Center</td>
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<td>College Station, TX</td>
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<tr>
<td>Speakers</td>
<td>Lovell Jones, PhD (INVITED)</td>
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<td>Founding Director, Center for Research on Minority Health</td>
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<td>Co-Founder, Intercultural Cancer Council</td>
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<td>Prof. Emeritus, Department of Health Disparities Research</td>
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<td>University of Texas MD Anderson Cancer Center</td>
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<td>E. Lisako McKyer, PhD</td>
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<td></td>
<td>Associate Professor, Department of Health and Kinesiology</td>
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<td>College of Education and Human Development</td>
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<td>Texas A&amp;M University</td>
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<td>Panel Discussion / Q&amp;A</td>
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<td>Closing Remarks</td>
<td>Moderator</td>
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<tr>
<td>8:30 AM – 10:30 AM</td>
<td>Training Workshop 2</td>
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<td>National Harbor 3</td>
<td>Grantsmanship – Part I</td>
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<td>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:</td>
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<td>• Improve the quality of minority health and health disparities research proposals submitted to NIH;</td>
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<td>• Explain the grant review and selection process;</td>
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<td>• Describe basic grant-development and grant-writing skills; and</td>
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<td>• Explain ethical practices of investigator research and protection of human subjects research.</td>
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</table>
Monday, December 1, 2014

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 y 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

Regina Shih, PhD
RAND Corporation

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

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.
Monday, December 1, 2014

### Tailored and Targeted Prevention Intervention
#### Design for Alcohol Use in Latino Adolescents

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 bimulti-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-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 adaptation is also underway by eight Swampy Cree First Nations (Minotba), Sapa N 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 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
Monday, December 1, 2014

8:30 AM – 10:30 AM
Training Workshop 6
Big Data Opportunities in Health Disparities: Introduction of Big Data Enabling Technology (Part I)
This session is geared towards individuals interested in Big Data Technology and Applications as it applies to Health Disparities Issues.

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 Feniott
233 East Redwood Street
Baltimore, MD

Opening Remarks, Welcome, and Introductions
Jae Eun Lee, DrPh
Jackson State University
Jackson, MS

Opening Remarks, Welcome, and Introductions
James Perkins, PhD
Clark Atlanta University
Atlanta, GA

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

How Big Data has Advanced Understanding in the Biomedical Sector
Kenneth Mandl
Harvard University

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
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

Closing Remarks
LUNCH ON YOUR OWN
## Concurrent Training Workshop Sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Details</th>
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</table>
| 12:30 PM | **Training Workshop 8**  
Grantsmanship – Part II                                                                 | 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. |
| 2:30 PM  |                                                                                                 | 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 | **Training Workshop 9**  
Mentoring: Changing the Dynamics of the Academic Progression for Emerging Research Investigators | 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. |
| 2:30 PM  |                                                                                                 | Facilitators: Sandra A. Harris-Hooker, PhD  
Vice President and Executive Vice Dean  
Research and Academic Administration  
Morehouse School of Medicine  
Atlanta, GA  
Larry Laufman, EdD  
Director of Research, Section of General Internal Medicine  
Principal Investigator, Student Mentoring through Regional Scientific Symposia (NIGMS)  
Baylor College of Medicine  
Claudia R Baquet, MD, MPH  
Director, Center for Health Disparities  
University of Maryland-Baltimore  
Baltimore, MD                                                                 |
### 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**

**Presenters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Affiliation</th>
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<tbody>
<tr>
<td>Robert M. Mayberry, PhD</td>
<td>Professor of Epidemiology, Associate Director for Clinical Research and Community</td>
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<td>Engagement, Morehouse School of Medicine</td>
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<td>Jimmy T. Elfrd, PhD, MSc</td>
<td>Director, Center for Epidemiology and Outcomes Research, East Carolina Heart Institute</td>
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<td></td>
<td>Assistant Director, Center for Health Disparities, Brody School of Medicine</td>
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<tr>
<td>Daniel F. Sarpong, PhD</td>
<td>Endowed Chair of Health Disparities, Associate Professor of Biostatistics, Xavier</td>
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<td>University of Louisiana, New Orleans, LA</td>
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<td>Jianqiu Michelle Zhang, PhD</td>
<td>Research Assistant Professor, Department of Electrical and Computer Engineering,</td>
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<td>University of Texas at San Antonio, San Antonio, TX</td>
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**Questions & Answers / Interactive Session**

**Closing Remarks**

### 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 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**

**Collaborations Models in Addressing Health Disparities**

**Presenters**

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<tr>
<th>Name</th>
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<tr>
<td>Marino De Leon</td>
<td>Professor, Department of Basic Sciences, Director, Center for Health Disparities and Molecular Medicine, Loma Linda University, School of Medicine, Loma Linda, CA</td>
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<tr>
<td>Sarah Gehlert, PhD</td>
<td>E. Desmond Lee Professor of Racial and Ethnic Diversity, Washington University, St. Louis, MO</td>
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</table>
### Interdisciplinary Team Efforts in Health Disparities Research

**Questions & Answers / Interactive Session**

**Closing Remarks**

#### 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**

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

**An Administrator’s Perspective**

**An Ambassador’s Perspective**

**Questions & Answers / Interactive Session**

**Closing Remarks**

#### 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**

**Presenters**

<table>
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<tr>
<th>Name</th>
<th>Institution</th>
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<tr>
<td>George Perry</td>
<td>Professor and Dean, College of Sciences</td>
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<td>University of Texas, San Antonio</td>
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<td>San Antonio, TX</td>
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<tr>
<td>Jose A. Torres-Ruiz, PhD</td>
<td>Research Dean and Professor</td>
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<td>Ponce Health Sciences University</td>
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<td>Ponce, Puerto Rico</td>
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<tr>
<td>Emma Fernandez-Repollet, PhD</td>
<td>Former Vice President for Research and Technology</td>
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<td>University of Puerto Rico, Medical Sciences Campus</td>
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<td>San Juan, Puerto Rico</td>
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<tr>
<td>Valerie Montgomery Rice, MD</td>
<td>President and Dean</td>
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<td>Morehouse School of Medicine</td>
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<td>Kisha B. Holden, PhD</td>
<td>Associate Professor</td>
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<td>Department of Psychiatry and Behavioral Sciences</td>
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<td>Deputy Director, Satcher Health Leadership Institute</td>
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<td>George Rust, MD, MPH</td>
<td>Director, National Center for Primary Care</td>
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<td>Professor of Family Medicine</td>
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<td>Rhonda Holliday, PhD</td>
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</table>
### Monday, December 1, 2014

#### Questions & Answers / Interactive Session

#### Closing Remarks

**Moderator**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event名称</th>
<th>Description</th>
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<tbody>
<tr>
<td>12:30 PM – 2:30 PM</td>
<td><strong>Training Workshop 14</strong></td>
<td><strong>Big Data Opportunities in Health Disparities: Introduction of Big Data Enabling Technology (Part II)</strong>&lt;br&gt;<strong>This session is geared towards individuals interested in Big Data Technology and Applications as it applies to Health Disparities Issues.</strong>&lt;br&gt;At the end of this activity, participants will be able to:&lt;br&gt;- Discuss the importance of Big Data Enabling Technology as it relates to health disparities;&lt;br&gt;- Identify Big Data training needs for researchers and undergraduate and graduate students involved in NIMHD research; and&lt;br&gt;- Develop a comprehensive understanding of Big Data Collection &amp; Sharing in the Cloud Environment, and Data Mining Techniques for Big Data Analysis.</td>
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<tr>
<td></td>
<td><strong>Opening Remarks, Welcome, and Introductions</strong></td>
<td><strong>Travis Turner</strong>&lt;br&gt;Jackson State University&lt;br&gt;Jackson, MS</td>
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<td></td>
<td><strong>Big Data: Understanding Advancements in the Biomedical Sector:</strong></td>
<td><strong>Kenneth D. Mandl, MD, MPH</strong>&lt;br&gt;Professor, Harvard Medical School&lt;br&gt;Chair, Biomedical Informatics and Population Health&lt;br&gt;Boston, MA</td>
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<td></td>
<td><strong>Specialty Session (participants select two topics)</strong></td>
<td><strong>Topic 1: Data Mining Techniques for Big Data Analysis</strong>&lt;br&gt;<strong>Topic 2: Visualization Techniques for Big Data Analysis</strong>&lt;br&gt;<strong>Topic 3: Big Data Collection &amp; Sharing in the Cloud Environment</strong>&lt;br&gt;<strong>Topic 4: Big Data: Examples in the Health Field</strong></td>
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<tr>
<td></td>
<td><strong>General Discussion and Closing Remarks</strong></td>
<td><strong>Facilitators</strong></td>
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<tr>
<td>12:30 PM – 2:30 PM</td>
<td><strong>Training Workshop 15</strong></td>
<td><strong>STAR Fellowship Faculty Development Program for Increasing Health Disparity Research in Minority-Serving Institutions</strong>&lt;br&gt;This is a course on professional development for junior investigators. This workshop will address ongoing professional development activity for faculty from minority serving institutions.&lt;br&gt;At the end of this activity, participants will be able to:&lt;br&gt;- Describe best practices in delivering grantsmanship and grant writing skills;&lt;br&gt;- List mentored research development in health disparities; and&lt;br&gt;- 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.</td>
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<td></td>
<td><strong>Opening Remarks, Welcome, and Introductions</strong></td>
<td><strong>Jamboor K. Vishwanatha, PhD</strong>&lt;br&gt;Dean, Graduate School of Biomedical Sciences&lt;br&gt;Director, Texas Center for Health Disparities&lt;br&gt;Professor, Dept. of Molecular Biology &amp; Immunology&lt;br&gt;UNT Health Sciences Center&lt;br&gt;Fort Worth, TX</td>
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<tr>
<td></td>
<td><strong>Highlights of the STAR Fellowship Curriculum</strong></td>
<td><strong>Harlan Jones, PhD</strong>&lt;br&gt;STAR Fellowship Director&lt;br&gt;UNT Health Science Center</td>
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<tr>
<td></td>
<td><strong>Operational Details and Challenges</strong></td>
<td><strong>Anindita Mukerjee, PhD</strong>&lt;br&gt;STAR Fellowship Co-Director&lt;br&gt;UNT Health Science Center</td>
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<td><strong>Personal Reflections of a Former STAR Fellow</strong></td>
<td><strong>Gregory Buck, PhD</strong>&lt;br&gt;Associate Professor, Dept. of Life Sciences&lt;br&gt;Texas A&amp;M University&lt;br&gt;Corpus Christi, TX</td>
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<td></td>
<td><strong>Personal Reflections of a Former STAR Fellow</strong></td>
<td><strong>Bertha ‘Penny’ Flores, PhD, RN</strong>&lt;br&gt;Assistant Professor&lt;br&gt;School of Nursing, Family &amp; Community Health Systems&lt;br&gt;University of Texas, San Antonio&lt;br&gt;San Antonio, TX</td>
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<tr>
<td></td>
<td><strong>Moderated Panel Discussion and Closing Remarks</strong></td>
<td><strong>Moderator</strong></td>
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</table>
Monday, December 1, 2014

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 through 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

Choosing the Team
Recruiting a Multidisciplinary Clinical and Translational Team: A Clinical Perspective

Against All Odds
Managing Teamwork Dynamics and Challenges

Teamwork to Reach the Goal
Identifying Strategies for a Successful Multidisciplinary Team

Group Dynamics
Exercises for Effective Communication

Questions and Answers

Closing Remarks

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

Official Blessings

Language: Bengali

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

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

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

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

Araceli Huertas, MD, GCCR
Hispanics in Research Capability (HiREC) Endowment Program
Translational research & Development Project Manager
University of Puerto Rico
San Juan, Puerto Rico

Moderator

United States Marine Corps Color Guard and Marine Corp Band
Planning Committee Members

MD Taher
Community Health Worker
New York University School of Medicine
Monday, December 1, 2014

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

- **National Institute on Minority Health and Human Services**
  *Discuss the focus centering within NIMHD to eliminate health disparities and improve minority health*
  
  Yvonne T. Maddox, PhD (INVITED)
  
  Acting Director, National Institute on Minority Health and Health Disparities

**Global Health Equity Panel Discussion**

**Panelists**

**Closing Remarks**

**Dr. Maya Angelou Tribute**

*Equality*

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**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.*

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Tuesday, December 2, 2014

**Registration**

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

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 Yangighara, MD, MPH  
University of Hawai‘i at Manoa

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

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

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

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

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

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

**Language:** Spanish

**Moderator**

**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

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

**Life Course**
### Concurrent Scientific Session A1 (Cancer Health Disparities Research)

**Opening and Introductions**

<table>
<thead>
<tr>
<th>Title</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>01.02.01.004 AR MUTATIONS IN AFRICAN AMERICAN PROSTATE CANCER</td>
<td>Shahriar Koochekpour, MD, PhD</td>
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<tr>
<td>01.02.01.059 TARGETING FKBP52/β-CATENIN INTERACTIONS IN PROSTATE CANCER</td>
<td>Marc B. Cox, MSPH, PhD</td>
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<tr>
<td>01.02.01.072 DEVELOPING FASCIN INHIBITORS AS ANTI-MIGRATION AND ANTI-INVATION AGENTS</td>
<td>Guangdi Wang, PhD</td>
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<tr>
<td>01.02.01.080 ESTRADIOL INDUCES CANCER CELL PROLIFERATION BY PP2CA ACTIVATION</td>
<td>Yong Wu, MD, PhD</td>
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**Moderated Questions & Answers**

**Closing**

### Concurrent Scientific Session A2 (HIV and AIDS)

**Opening and Introductions**

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<th>Title</th>
<th>Affiliation</th>
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<tr>
<td>01.05.01.001 COCAINE ENHANCES HIV-1 INTEGRATION IN CD4+ T CELLS</td>
<td>Amma B. Addai</td>
</tr>
<tr>
<td>01.05.02.011 NEEDS ASSESSMENT TO IMPROVE CARE IN UNDERSERVED HIV PATIENTS</td>
<td>Antonio J. Carrion</td>
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**Closing**

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**Panel Discussion / Questions and Answers**

**10:15 AM – 12:00 PM**

**Concurrent Scientific Sessions – Group A**

*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.*

**Track 1**

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<th>Time</th>
<th>Concurrent Scientific Sessions – Group A</th>
<th>Location</th>
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<tr>
<td>10:15 AM – 12:00 PM</td>
<td>Concurrent Scientific Session A1 (Cancer Health Disparities Research)</td>
<td>Woodrow Wilson A</td>
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**List of Moderators**

- Nadia Islam, PhD
  - Assistant Professor
  - Departments of Population Health, Asian American Health
  - NYU School of Medicine
  - New York, NY

- Antonio J. Carrion
  - Florida A&M University
  - Department of Epidemiology
  - Mary Jo Trepka, MD, MSPH
  - Morehouse School of Medicine
  - Department of Community Health and Preventive Medicine, Family Medicine and Psychiatry
  - Morehouse School of Medicine

- Ronald L. Braithwaite, PhD
  - Professor, Department of Community Health and Preventive Medicine
  - Morehouse School of Medicine

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

- Amma B. Addai
  - Meharry Medical College

- Christopher Williams, PhD
  - Xavier University of Louisiana

- Shahriar Koochekpour, MD, PhD
  - Roswell Park Cancer Institute

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

- Guangdi Wang, PhD
  - Xavier University of Louisiana

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

**Conference Secretariat**

- Tel: 404.559.6191  ::  Fax: 404.559.6198  ::  www.ismhhd.com  ::  secretariat@ismhhd.com
- 1513 East Cleveland Avenue, Building 100-B, Suite 202, Atlanta, GA 30344-6947
- Tuesday, December 2, 2014

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

**Opening and Introductions**

**10:15 AM – 12:00 PM**

**Track 1**

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<th>Time</th>
<th>Concurrent Scientific Sessions – Group A</th>
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<td>10:15 AM – 12:00 PM</td>
<td>Concurrent Scientific Session A2 (HIV and AIDS)</td>
<td>Annapolis 1-4</td>
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*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.**
**Tuesday, December 2, 2014**

| 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**

| 10:15 AM – 12:00 PM | Concurrent Scientific Session A3 (Community-Based Participatory Research Addressing Minority Health and Health Disparities) | 1.5 Contact Hours |
| | **Best Practices and Lessons Learned: CBPR and Underserved Populations** | Woodrow Wilson B&C |
| | 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 transitional 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 |
| | Roxanne Miller | Sanford Research / CRCAOH |
| | Lindsey Riley, MPH | NYU Center for the Study of Asian American Health |
| | Suzanne Christopher, PhD | Montana State University |
| | Francine A. Small | Frank Consulting |
| | Mara Bird, PhD | California State University, Long Beach |

| 04.01.03.017 | RECRUITING A SUCCESSFUL COMMUNITY ADVISORY BOARD | Roxanne Miller |
| 04.01.03.058 | IMPLEMENTATION OF THE NAVIGATOR PROGRAM IN NYS | Lindsey Riley, MPH |
| 04.01.03.084 | WALK WITH ME: USING STORIES FOR CHRONIC ILLNESS SELF-CARE | Suzanne Christopher, PhD |
| 04.01.01.009 | THE RACIALIZATION OF DISEASE: A QUALITATIVE AND QUANTITATIVE ANALYSIS OF RACE AND ETHNICITY IN BIOMEDICAL RESEARCH | Francine A. Small |
| 04.01.03.115 | A FAMILY-BASED INTERVENTION FOR LATINO CHILDHOOD OBESITY | Mara Bird, PhD |

**Moderated Questions & Answers**

| Closing | Moderator |

| 10:15 AM – 12:00 PM | Concurrent Scientific Session A4 (Behavioral and Social Determinants of Health) | 1.5 Contact Hours |
| | **Social Determinants of Health and its Relationship to Achieving Health Equity and Eliminating Health Disparities** | Baltimore 3-5 |
| | 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 |
| | Christine E. Staubner, PhD | Georgia State University |

| 02.02.03.014 | EXAMINING SOCIAL DETERMINANTS OF HEALTH IN SALVADOR, BRAZIL | Christine E. Staubner, PhD | Georgia State University |
### Concurrent Scientific Session A5 (Rural, Migrant, and Immigrant Health)

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

This session will present processes and outcomes of collaborative research with rural, migrant, and immigrant communities. At the end of this activity, participants will be able to:

- 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

**Ligia Chavez, PhD**
University of Puerto Rico

**Rosalyn Negron, PhD**
University of Massachusetts, Boston

**Megan KI Hagiwara, MPH**
University of Hawaii, Manoa

**Teri Browne, PhD, MSW**
University of South Carolina

**Jacob C. Warren, PhD**
Mercer University

**Moderated Questions & Answers**

**Closing**

**Moderators**

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

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

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.

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

- 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
Tuesday, December 2, 2014

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

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
Charlotte Owens, MD
Morehouse School of Medicine

Richard Yanagihara, MD, MPH
University of Hawaii at Manoa
Keosha Partlow, PhD, MPH
Charles Drew University of Medicine and Science

Federal Representatives
Centers for Medicare and Medicaid Services
Cara V. James

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 Heath-Bohren

National Center for Complementary and Alternative Medicine
Alberto Rivera-Rentas, PhD
Emrelune Edwards, PhD
Peter Kuzel, PhD
Alberto Rivera-Rentas, PhD

National Heart Lung and Blood Institute
Emmanuel K. Pepah

National Human Genome Research Institute
Charles Rotimi, PhD

National Institute on Aging
Robin A. Barr

National Institute of 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 Ards
Jean Flagg-Newton, PhD
Stephen Hirschfeld, MD, MPH
Charisee Lamar
Estella Parrott, MD, MPH

National Institute of Dental and Craniofacial Research
Alicia Dombroski, PhD

National Institute of Environmental Health Sciences
Symma Finn, PhD

National Institute of General Medical Sciences
Robin S. Broughton

National Institute of Health

National Institute of Mental Health
Pamela Collins
LeShawndra Price, PhD

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

10:15 AM – 12:00 PM
National Harbor 11

Scientific Poster Session II

12:15 PM – 2:00 PM

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.
Concurrent Scientific Sessions – Group B

2:15 PM – 4:00 PM
Concurrent Scientific Session B1 (Cancer Health Disparities Research)

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

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

Moderated Questions & Answers

Closing

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

01.06.01.007
IDENTIFICATION OF PREDICTIVE PROTEIN BIOMARKERS FOR MS

01.06.01.021
CHOLESTEROL SIDE-CHAIN DEGRADOME OF MYCOBACTERIUM TUBERCULOSIS

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

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

Itay Raphael
University of Texas at San Antonio

Hugues Ouellet, PhD
University of Texas at El Paso
Moderated Questions & Answers

Closing

Concurrent Scientific Session B3 (Nanotechnologies)

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

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-Yacaman
Director, Kiebberg 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

Mandip Singh Sachdeva, PhD
Florida A&M University

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

Benjamin D. Ortiz, PhD
University of Texas at El Paso

Moderated Questions & Answers

Closing

Concurrent Scientific Session B4 (Clinical and Translational Science Research)

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.

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. Estage, 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

Moderators

Moderators
Concurrent Scientific Session B5 (Behavioral and Mental Health)

Effects of Racism on Health

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

2:15 PM – 4:00 PM
Track 2
1.5 Contact Hours
National Harbor 2&3

Concurrent Scientific Session B6 (Health Policy)

Health Policy, Health Equity, and Health Disparities

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

2:15 PM – 4:00 PM
Track 5
1.5 Contact Hours
National Harbor 10
Observational Research to Reduce Cardiovascular and Cerebrovascular Health Disparities in Minority Populations

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 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)

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.

Concurrent Scientific Session C1 (Cardiovascular and Cerebrovascular Disease)

Observational Research to Reduce Cardiovascular and Cerebrovascular Health Disparities in Minority Populations

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- 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

Method Bacanamwo, PhD
Morehouse School of Medicine

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

Robina Josiah Willock, MPH, PhD
Morehouse School of Medicine
**Tuesday, December 2, 2014**

### 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

#### 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

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

**Moderated Questions & Answers**

**Closing**

**Moderator**

**Moderator**

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**4:15 PM – 6:00 PM**

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

**Moderated Questions & Answers**

**Closing**

**Moderator**

**Moderator**

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- **Stella Nowicki, DDS**  
  Professor of Microbiology and Immunology  
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Tuesday, December 2, 2014

Concurrent Scientific Session C4 (Social Determinants of Health)

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

Closing

4:15 PM – 6:00 PM
Track 2

1.5 Contact Hours

Baltimore 3-5

Concurrent Scientific Session C5 (Global Health & International Collaborations)

07.02.02.001
PSYCHIATRIC COMORBIDITIES IN SEX TRAFFICKING SURVIVORS IN THE DIASPORA
Leslie O. Nwoke, MPH, MD
Morehouse School of Medicine

Opening and Introductions

Closing

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-term 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

Leslie O. Nwoke, MPH, MD
Morehouse School of Medicine
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>07.02.03.009</td>
<td><strong>RACE, WATER, AND CONTAMINATION IN THE DOMINICAN REPUBLIC</strong></td>
<td>Jessica Brown, Georgia State University</td>
</tr>
<tr>
<td>07.02.03.017</td>
<td><strong>DEVELOPMENT OF A TRANSDISCIPLINARY HEALTH DISPARITIES ACTION PLAN FOR THE</strong></td>
<td>Julio C. Dinct Taillipierre, MS Centers for Disease Control and Prevention</td>
</tr>
<tr>
<td></td>
<td><strong>ELIMINATION OR REDUCTION OF RACIAL DISPARITIES IN HEALTH IN THE US AND BRAZIL:</strong></td>
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<tr>
<td>07.02.03.019</td>
<td><strong>CULTURE AND PERCEPTION OF HEPATITIS B AMONG TIBETAN REFUGEES</strong></td>
<td>Trinley Palmo, Department of Health, Central Tibetan Administration</td>
</tr>
<tr>
<td>07.09.03.017</td>
<td><strong>BIRTHING PROJECT’S AYZH SISTER FRIEND SAFE BIRTH KIT PROGRAM</strong></td>
<td>Sarah J. Urbanowicz, Birthing Project USA</td>
</tr>
</tbody>
</table>

**Moderated Questions & Answers**

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

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

**Lessons Learned in Collaborative Research in Indigenous Populations**

- 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

**Moderated Questions & Answers**

**Workshop C**

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

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**

**The NIMHD Perspective**

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

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

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

Marvella E. Ford, PhD
Professor
Medical University of South Carolina
### Ethical Issues for Physicians Referring Minorities to Trials

**Arch Mainous, III, PhD**  
HSPM Department Chair  
University of Florida

**Questions & Answers**

**Closing**

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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| 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. |

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

**Moderator**  
Terri Ann Thompson, PhD  
Yale University  
New Haven, CT

**Panelists**

- **O. Peter Adams, MD, DM**  
  University of the West Indies  
  Cave Springs, Augustine
- **Rohan Maharaj, MD, DM**  
  University of the West Indies  
  Cave Springs, Augustine
- **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**

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<th>Time</th>
<th>Event</th>
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| 6:30 PM – 7:30 PM | **RCMI Translational Research Network Services: Discover How the Network Can Support Your Current and Future Research Activities**  
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
Wednesday, December 3, 2014

7:00 AM – 12:30 PM
Registration

7:30 AM – 8:45 AM
Networking Session
Meet the Experts (facilitated by RCMi Translational Research Network)
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

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

James Perkins, PhD
Clark Atlanta University

Charlotte Owens, MD
Morehouse School of Medicine

Richard Yanagihara, MD, MPH
University of Hawaii at Manoa

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

NIH Clinical Center
Walter Jones, MHSA

National Human Genome Research Institute
Charles Rotkin, PhD

National Institute on Alcohol Abuse and Alcoholism
Sharon M. Smith

National Institute of Child Health and Human Development
Shannon Parks

National Institute on Drug Abuse
Carmen L. Rosa

Centers for Medicare and Medicaid Services
Chris Hafer, MD

NIH Office of the Director
Kay C. Johnson

Division of Diversity & Inclusion

National Cancer Institute
Suzanne Heath-Boyd

Carmen Momen, PhD

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

National Institute of Environmental Health Sciences
Symma Finn, PhD

National Institute of Minority Health and Health Disparities
Irene Dankwa-Mullan, MD

Derrick C. Tabor, PhD

Joan Wasserberg, PhD

9:00 AM – 10:30 AM
1.25 Contact Hours
General Session III
Transdisciplinary Social, Behavioral, and Clinical Approaches for Understanding and Achieving Health Equity in Cardiovascular, Cerebrovascular, and Related Peripheral-Vascular Diseases
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. Ellin, 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
Wednesday, December 3, 2014

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

Questions & Answers
Closing Remarks

10:45 AM – 12:30 PM
Concurrent Scientific Sessions – Group D

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 AM – 12:30 PM
Track 1
1.5 Contact Hours
Woodrow Wilson A

Concurrent Scientific Session D1 (Proteomic Applications in Basic Research)
New Advances in Protein Discovery and Health Disparities Research

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

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

Victor Parmov, PhD
Meharry Medical College

William Alley
University of Texas at San Antonio

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

Shamina M. Aubuchon, PhD
Hampton University

Moderated Questions & Answers

Moderated Questions & Answers

Closing

Moderator

Closing

Moderator
## 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

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

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

**Samuel C. Hafer, PhD**  
CMS Office of Minority Health

**Christopher P. Fennie, PhD, MPH**  
Florida International University

**Amber Anders**  
Yale School of Medicine

### Q&A / Panel Discussion

**Moderator**

### 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.

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

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

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

**Andrew McWilliams, MD, MPH**  
Carolinas HealthCare System

### Concurrent Scientific Sessions
### Concurrent Scientific Session D4 (Sciences of Metabolic Disease)

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

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 maternal 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.

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

**Addressing Men’s Health Across the Research Spectrum**

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

**Moderator**

- Patricia Matthews Juarez, PhD
- Marino De Leon
- Xinhua Chen
- Dequina A. Nicholas
- Rajan Singh, PhD
- Mark D. DeBoer, MD, MSc
- Mildred A. Pointer, PhD
- Patricia Matthews Juarez, PhD
- Marino De Leon
- Xinhua Chen
- Dequina A. Nicholas
- Rajan Singh, PhD
- Mark D. DeBoer, MD, MSc
- Mildred A. Pointer, PhD

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### Moderated Questions & Answers

**Moderator**

- Mary C. Roary, PhD
- Andrea R. Kelley

---

### Closing

**Moderator**

- Mary C. Roary, PhD
- Andrea R. Kelley
### 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

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>Ketema Paul, PhD</td>
<td>Associate Professor of Neurobiology, Morehouse School of Medicine, Atlanta, GA</td>
</tr>
<tr>
<td>Karine Fenelon, PhD</td>
<td>Assistant Professor, Department of Biological Sciences, Border Biomedical Research Center, University of Texas, El Paso</td>
</tr>
<tr>
<td>Ananya Sengupta</td>
<td>City College of New York, City University of New York</td>
</tr>
<tr>
<td>Kaitlyn M. Forster</td>
<td>University of Texas at El Paso</td>
</tr>
</tbody>
</table>

#### Abstracts

- **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**
  
  Rachid Skouta, PhD, University of Texas at El Paso

- **01.08.01.033**
  
  **DESIGN AND BIOLOGICAL EVALUATION OF ANTI-EPILEPTIC COMPOUNDS USING HIPPOCAMPAL SLICES**
  
  Brian T. Oliver, Howard University College of Medicine

- **01.08.01.038**
  
  **NEUROPROTECTIVE AND NEUROTOXIC INTERACTIONS OF THE ENDOCAFFINABOID AND METABOTROPIC GLUTAMATE RECEPTOR SYSTEMS IN THE OLFACTORY SYSTEM**
  
  Eunsook Lee, PhD, Meharry Medical College

- **01.08.01.039**
  
  **ROLE OF YIN YANG 1 AND HDAC5 IN MANGANESE-REDUCED GLT-1 PROMOTER ACTIVITY**
  
  Moderators
**Wednesday, December 3, 2014**

<table>
<thead>
<tr>
<th>Time</th>
<th>Workshop D</th>
</tr>
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| 10:45 AM – 12:30 PM | Workshop D  
NIH Public Access Compliance and Policy Updates  
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) |

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<tr>
<th>Time</th>
<th>Scientific Poster Session III</th>
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</table>
| 12:45 PM – 2:30 PM | Scientific Poster Session III  
This is a networking opportunity for researchers. Lunch will be served.  
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) |

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<th>Time</th>
<th>Concurrent Scientific Sessions – Group E</th>
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| 2:45 PM – 4:30 PM | Concurrent Scientific Sessions – Group E  
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  
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) |

| Time        | Concurrent Scientific Session E1 (Biomedical Informatics and Computational Biology)  
Challenges and Successes to Prevention: Barriers, Broken Links, and Care – Hard to Reach Populations  
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.  
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) |

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<tr>
<th>Time</th>
<th>Opening and Introductions (ACCEPTED from D5)</th>
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<tbody>
<tr>
<td>2:45 PM – 4:30 PM</td>
<td>Opening and Introductions (ACCEPTED from D5)</td>
</tr>
</tbody>
</table>
|             | Rachael Skouta, PhD  
Assistant Professor, Biological Sciences and Chemistry  
University of Texas, El Paso  
El Paso, TX  
(ACCEPTED from D5)  
Dong Liang, PhD  
Professor and Chair, Department of Pharmaceutical Sciences  
College of Pharmacy and Health Sciences  
Texas Southern University  
(ACCEPTED from A6)  
Maria Pino-Yanes, PhD  
University of California San Francisco  
Konstantinos Krampis  
Hunter College, City University of New York  
Charlotta D. Mock  
Texas Southern University  
Weigang Qiu  
Hunter College, City University of New York |

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<thead>
<tr>
<th>Time</th>
<th>Abstracts</th>
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</table>
| 2:45 PM – 4:30 PM | Abstracts  
01.01.01.003  
IDENTIFICATION OF LOCI ASSOCIATED WITH IgE LEVELS IN LATINOS  
01.01.01.013  
BIOINFORMATICS CLOUD COMPUTING FOR GENOMICS IN MINORITY HEALTH RESEARCH  
01.01.01.014  
DISCOVERY OF HIT MOLECULES BY VIRTUAL HIGH-THROUGHPUT SCREENING FOR PHOSPHODIESTERASE 10A INHIBITORY ACTIVITY  
01.01.01.017  
“SPRING-DB”: A BIOINFORMATICS PIPELINE FOR GENOMIC SURVEILLANCE OF BACTERIAL PATHOGENS  
(ACCEPTED from D5)  
(ACCEPTED from A6)  
Maria Pino-Yanes, PhD  
University of California San Francisco  
Konstantinos Krampis  
Hunter College, City University of New York  
Charlotta D. Mock  
Texas Southern University  
Weigang Qiu  
Hunter College, City University of New York |
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Details</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>2:45 PM –</td>
<td>Concurrent Scientific Session E2 (Complementary and Alternative Medicine, Environmental and Pharmaceutical Sciences)</td>
<td>Combined 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.</td>
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<td>4:30 PM</td>
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<td>Marcelo Tolmasky, PhD Director, Center for Applied Biotechnology Studies Department of Biological Sciences College of Natural Sciences and Mathematics California State University, Fullerton Gloria Canino, PhD University of Puerto Rico Daryll B. Hood, PhD Ohio State University College of Public Health Dominique Smith Georgia State University Emmanuel O. Akala, RPh, PhD Howard University Lynn C. Francesconi Hunter College, City University of New York Hamed Yazdanshenas, MD Charles R. Drew University of Medicine and Science University of California, Los Angeles</td>
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<td>2:45 PM –</td>
<td>Concurrent Scientific Session E3 (Behavioral and Mental Health) Behavioral and Mental Health Issues and Its Impact on Health Services to Minority Populations</td>
<td>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.</td>
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**Wednesday, December 3, 2014**

01.01.03.001
ALIGNMENT TO AN ANCESTRY SPECIFIC REFERENCE GENOME DISCOVERS ADDITIONAL VARIANTS AMONG THE MH-GRID COHORT
Moderated Questions & Answers
Closing

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 COLE PRESENCE IN PUBLIC-ACCESS WATER IN THE DOMINICAN REPUBLIC

03.04.01.003
COMPUTER OPTIMIZATION OF NANOPARTICLE FABRICATION

03.04.01.004
CHELATOR FOR SAFE POSITRON EMISSION TOMOGRAPHY WITH ZR-89

03.04.03.003
PRESCRIBING PATTERNS IN THE TREATMENT OF HYPERTENSION AMONG UNDERSERVED AFRICAN-AMERICAN ELDERLY

02.01.02.020
NEUROPSYCHOLOGICAL PROFILE IN HISPANIC WOMEN WITH HIV INFECTION

02.01.02.027
MENTAL ILLNESS STIGMA INTERVENTION AMONG BLACK COLLEGE STUDENTS

02.01.02.032
USING A NARRATIVE FILM TO LEARN ABOUT SPANISH-SPEAKING LATINOS’ VIEWS OF PSYCHOSIS

**Opening and Introductions**

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

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

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

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

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

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

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

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

Megan D. Douglas, JD
Morehouse School of Medicine

David Hollar, PhD
Pfeiffer University

Sylvia D. Hobbs, MPH
Commonwealth of Massachusetts

Danyell S. Wilson, PhD
Bowie State University

Q&A / Panel Discussion

Concluding Remarks

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

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

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:

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

Desired Outcomes:

- Improved awareness of collaborative research opportunities around women’s health;
- How to support a healthy aging process through biomedical, clinical, and population science strategies;
- 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
<table>
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<tr>
<th>Title</th>
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<tbody>
<tr>
<td>THE OGLALA SIOUX TRIBE CHOICES PROGRAM</td>
<td>Jessica D. Hanson, Sanford Research</td>
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<td>CERVICAL CANCER PREVENTION AND LANGUAGE USE IN HEALTH EDUCATION</td>
<td>Bertha E. Flores, PhD, RN, University of Texas Health Science Center</td>
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<td>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</td>
<td>Nadia Islam, PhD, New York University Medical Center</td>
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<td>TRANSDISCIPLINARY COLLABORATIONS TO INCREASE AWARENESS OF PRETERM BIRTH IN PUERTO RICO: LESSONS LEARNED FROM PROTECT PARTICIPANTS AND THE COMMUNITY</td>
<td>Liza V. Anzalota, MD, MPH, University of Puerto Rico School of Public Health</td>
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<tr>
<td>THE ROLE OF ALCOHOL AND ILLICIT DRUG USE IN EXPOSURE TO SEXUAL VIOLENCE AMONG IMPOVERISHED WOMEN WHO LIVE IN PUBLIC HOUSING IN PUERTO RICO</td>
<td>Lisa R. Norman, PhD, Ponce School of Medicine and Health Sciences</td>
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Moderated Questions & Answers

Closing

2:45 PM – 4:30 PM

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;
- 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

Chandrasekhar Thota, PhD, Meharry Medical College

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

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

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

Q&A / Panel Discussion

Moderators

Closing

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
**Wednesday, December 3, 2014**

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<tr>
<td>4:30 PM – 6:00 PM</td>
<td><strong>Creating Commercialization Partnerships with Federal Laboratories</strong></td>
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<td>Steven M. Ferguson, PhD, Deputy Director, Office of Technology Transfer, National Institutes of Health</td>
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<td><strong>Novel Finance Models for Commercializing Biomedical Research</strong></td>
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<td>Lactase Briggs, PhD, Associate Director, Philanthropy Services, Faster Cures</td>
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<td><strong>Intellectual Property and Technology Transfer Resources for Researchers</strong></td>
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<td>Anthony Knight, JD, Deputy Assistant Commissioner, United States Patent &amp; Trademark Office, Alexandria, VA</td>
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<td>4:30 PM – 6:00 PM</td>
<td><strong>Q&amp;A / Panel Discussion</strong></td>
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**General Session IV: Closing and Awards Ceremony**

**Transdisciplinary Collaborations: A Call to Action**

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, MRCPP, Chief Officer, Scientific Workforce Diversity, National Institutes of Health

**Research Excellence Award Lecture & Presentation**

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

**Awards and Special Presentations**

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

**Closing Remarks**

Valérie Montgomery Rice, MD, Principal Investigator, NIH/OD U13 Conference Grant, President and Dean, Morehouse School of Medicine, Atlanta, GA

**Closing Blessing and Charge**

Joseph Keaweamoku Kahokukola, PhD, Professor and Chair, Department of Native Hawaiian Health, University of Hawaii

**Retiring of the Colors**

US Marine Corps Color Guard

**Networking Event**

7:00 PM – 10:00 PM
### Tracks and Topics Legend for Concurrent Scientific Sessions

#### Track 1 – Basic and Pre-Clinical Minority Health and Health Disparities Research (10 sessions)
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.

1. Biomedical Informatics and Computational Biology  
   - E1
2. Cancer 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

#### Track 2 – Behavioral and Social Determinants of Health (5 sessions)
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.

1. Behavioral and Mental Health  
   - B5, E3
2. Social Determinants of Health  
   - A4, C4
3. Violence and Health Disparities

#### Track 3 – Clinical and Translational Minority Health and Health Disparities Research (3 sessions)
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. CTHMHDR 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.

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

#### Track 4 – Community-Based Participatory Research Addressing Minority Health and Health Disparities (2 sessions)
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.

1. Community-Based Participatory Research Addressing Minority Health and Health Disparities  
   - A3, C2

#### Track 5 – Health and Healthcare Policy Research (2 sessions)
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.

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.

1. Health Information Technology and Health Disparities in Minority Populations  
   - E4
2. Health Policy  
   - B6

#### Track 6 – Health Related Technology Application for Advancing Minority Health and Health Disparities Research (2 sessions)
Small Business Innovative Research (SBIR) and Small Business Technology Transfer Research (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. Presentations within these sessions will highlight accomplishments of the SBIR/STTR program, including the use of technology to enhance research outcomes.

1. Health Related Technology Applications and Health Disparities in Minority Populations  
   - D3
2. SBIR/STTR Grants and Health Disparities Research  
   - A6

#### Track 7 – Research in Special Population Sub-Groups and Global Health (6 sessions)
Developing relevant and applicable health outcomes 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.

1. Child and Adolescent Health  
   - C5
2. Global Health  
   - A5
3. Immigrant Health  
   - A5
4. Lesbian, Gay, Bisexual, Transgender, and Intersex (LGBTI)  
   - D2
5. Men’s Health  
   - D6
6. Migrant Health  
   - A5
7. Research with Indigenous Populations  
   - C6
8. Rural Health  
   - A5
9. Women’s Health  
   - E5