

**2nd Annual Historical Black Colleges and Universities (HBCU)s
Eradicating Economic and Health Disparities Conference 2020
Special Focus – COVID-19**



HEEHD 2020 Conference Chair

Jayfus Tucker Doswell, Ph.D., Juxtopia®, USA

HEEHD 2020 Conference Co-Chairs

Diane L. Adams, MD, MPH, USA

Bridgie A. Ford, Ph.D., USA





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*Greetings and Welcome to
the 2nd annual HBCUs
Eradicate Economic and Health Disparities (HEEHD) Conference – FOCUS ON COVID-19*

Another year has gone by since our successful December 12-13, 2019 conference held in Baltimore, Maryland. Today 6:13 p.m., December 6, 2020, there have been 14,728,508 individuals who have tested positive, and 282,198 deaths from this deadly pandemic virus in the U.S., according to the Johns Hopkins University COVID-19 Resource Center. CNN reports among those testing positive one person dies every 38 seconds from COVID-19. The coronavirus has had a disproportionate effect on African Americans and other minority populations, leaving a feeling of mistrust and racial injustice regarding their safety and protection.

One might ask, where do we go from here? We should engage our **community of leaders** (faith-based leaders, researchers, clinicians, higher education faculty and staff, administrators, healthcare informatics/information technology professionals, ethicists, minority business leaders) who demonstrate the commitment to bio-medical research and technology transfer to Eradicate Economic and Health Disparities.

The HEEHD initiative uses a collaborative and inclusive framework that trains community leaders outlined and other minority research institutions to perfect their proficiency in biomedical innovation and commercialization with a mission to advance the field of biomedical research and technology transfer intellectual property to minority business that, consequently, lead biomedical markets.

To address economic and health disparity issues, the 2020 HEEHD Conference is designed to accomplish the following objectives:

1. Discuss disproportionate rates of COVID-19 morbidity and mortality in black communities and other minority populations.
2. Discuss inadequate health insurance, inequities in access to health care, lack of transportation due to travel distances to clinics and hospitals, and preventing co-morbid health conditions (diabetes, hypertension, heart failure, etc.).
3. Analyze barriers preventing HBCUs from securing significant funding awards or translating research results to address health disparities in minority populations.
4. Facilitate discussions with federal and state governments, industry, and Non-Governmental Organizations (NGOs) on how HBCUs can effectively apply their HEEHD training to address health disparities by leveraging cross-sector and industry resources.
5. Discuss vaccine concerns in communities of color.

We must continue to follow the National Institutes of Health (NIH) and the Centers for Disease Control and Prevention's (CDC) guidelines for preventive health practices that include social distancing, environmental sanitation, and frequent hand washing. It is imperative that we work with our appointed congressional leaders to promote health policies to ensure equitable access to COVID-19 testing, treatment, and vaccinations for all communities, including communities of color. Furthermore, it is essential that HBCUs and Minority Serving Institutions are resourced so they can assist in mitigating the consequences of COVID-19 in racially and ethnically diverse communities.

Thank you for your participation in the 2020 HEEHD Conference! Your active participation and commitment will make the difference!

Sincerely,


Jayfus T. Doswell, PhD
Conference Chair


Diane L. Adams, MD
Conference Co -Chair


Bridgie A. Ford, PhD
Conference Co -Chair

*"Power properly understood is nothing but the ability to achieve purpose.
It is the strength required to bring about social, political and economic change."*

Martin Luther King, Jr.



2ND ANNUAL HEEHD CONFERENCE

PROGRAM SCHEDULE

Thursday, December 10th - Day One

(Time)

- 7:30 a.m. - 8:30 a.m.** **NOTE: Participants for Juxtapia® HEEHD 2020 JUICE Money NIH SBIR/STTR Sign-Up**
Cyrus Green, MS, MBA, (doctoral student), JUICE Co-Director
1. Schedule one-on-one JUICE Money Sessions with NIH SBIR/STTR Personnel
 2. Schedule one-on-one JUICE Money Review (JMR) of NIH SBIR/STTR specific aims by Day 2 of conference.
 3. JUICE Match Innovation w/ HBCU, Hispanic Serving Institution, Tribal College, or Minority Small Business
- 9:00 a.m. - 9:25 a.m.** **Juxtapia® HEEHD 2020 Conference Welcome & Conference Overview**
- Jayfus Tucker Doswell, Ph.D., HEEHD Conference Principal Investigator (PI)
 - Diane L. Adams, MD, MPH, HEEHD CO-PI
 - Bridgie A. Ford, Ph.D., HEEHD CO-PI

9:30 a.m. - 10:15 a.m. **KEYNOTE SPEAKER - Thomas A. LaVeist, Ph.D.**

Dean and Weatherhead Presidential Chair in Health Equity, Tulane University, School of Public Health and Tropical Medicine, New Orleans, Louisiana

- 10:20 a.m. - 10:50 a.m.** **Engage Federal, State and Municipal Leaders in Collaborative Partnerships to Eradicate COVID-19**
- Dominic H. Mack, MD, MBA**
 Professor, Family Medicine; Director, National Center for Primary Care; Co-Lead, National COVID-19 Resiliency Network (NCRN).

Responding to the African American Community in a Pandemic Crisis

- 11:05 a.m. - 11:40 a.m.**
1. **Dr. W. Neal Holmes** (Pan African Unity Movement Radio/Virginia State University) - *Advocacy, the Black Community and COVID-19*
 2. **Joseph Daniels** (The Josa Group), *Emergency Community Health Response for underserved and disadvantaged populations plagued with COVID-19 disparities*

Moderator: Bridgie A. Ford, Ph.D.

2ND ANNUAL HEEHD CONFERENCE

PROGRAM SCHEDULE

Thursday, December 10th - Day One

(Time)

Parallel Sessions – Two Panel Discussions

11:45 a.m. -
12:20 p.m.

Panel A: Faith Based Initiative: Engaging the Congregation and Community

Moderator: Diane L. Adams, MD, MPH

1. **Cynthia J. Finch, LMSW, CCM,** CMCE Partner, Faith Leaders Initiative, Juxtapia®
2. **Rev. John A. Butler,** Presiding Elder, Knoxville District, AME Zion Church
3. **Evangelist Tabace Burns, RN,** Abundant Life Church, International

Panel B: Technology Research

Moderator: Jayfus T. Doswell, Ph.D.

1. **Angela Banks** (Doctoral Student/Howard University); *Inclusion of Virtual Reality Technology in Social Work Evidence-Based Practice with Black Single Head of Household Families in Vulnerable Communities in Response to COVID-19*
2. **Dr. Reginald Little** (Stillman College), *Protein Crystallization for faster COVID-19 Vaccine High-Throughput Screening*
3. **Stephanie Walker** (Morgan State University), *Innovative Architecture Urban Renovation for delivering low-cost training for High-Paying Jobs and Launching High-Tech, High-Growth Minority Businesses in Baltimore, MD.*

Lunch (12:25 p.m.- 12:50 p.m.)

(Time)

Medical Perspectives: Physical & Mental Health Priorities to Fight Against COVID-19 For Minority Populations

1:10 p.m. -
2:10 p.m.

1. **Keith D. Gray, MD, MBA** (Chief Medical Officer, University of Tennessee Medical Center), *COVID -19: Vaccine Update*
2. **Thomas Taylor, MD, MBA** (Medical Director, Nova Medical Centers – Fulton Industrial Clinics and Chief Medical Officer, Chimera Medical Services), *Metabolic Diseases in The Minority Population with an In-Depth Review on Pregnant African American Women and the Effects of COVID-19 on Their Health*
3. **John E. Queener, Ph.D.,** (Program Director, Minority Behavioral Health Group, Akron, Ohio; Professor, University of Akron, Department of Psychology) - *Mental Disparities in a Pandemic*

Moderator: Diane L. Adams, MD, MPH

2ND ANNUAL HEEHD CONFERENCE

PROGRAM SCHEDULE

Thursday, December 10th - Day One

(Time)

Parallel Sessions – Two Panel Discussions

2:15 p.m. -
2:55 p.m.

Public Health and Policy

Community Engagement

Moderator: Bridgie A. Ford, Ph.D.

Moderator: Jayfus T. Doswell, Ph.D.

1. **Brenda A. Leath, MHSA, PMP** (doctoral student) **and Diane L. Adams, MD, MPH** – *Public Health Policy and Ethics in COVID – 19 Testing*
2. **Alice Delaney** (Pathways Institute) – *Socially Assistive Robot (SAR) Platform for providing autonomous supportive mental health care and companionship for aging underserved and disadvantaged populations living home, alone During COVID-19*

1. **Justin Johnson and Marcus Messam** (Morgan State University), *Wearable Augmented Reality e-trainer & e-evaluator, for training community health workers and public health nurses that administer COVID-19 care in underserved and disadvantaged populations, worldwide*
2. **Ben Anthony** (University of Missouri) and **Iris Zachary, Ph.D.** (University of Missouri); *Communities Connected: Use of Digital Technology to Address COVID-19*
3. **Carlton Buford**, (Golden Rule Communication), *Artificial Intelligent Algorithm to Motivate Debating teams and Audience to Fact Check Argument that result in Healthcare Policy Related to COVID-19*

Closing Session – Day One

Drs. Jayfus T. Doswell, Diane L. Adams, and Bridgie A. Ford
(3:00 p.m. – 3:15 p.m.)

VIDEO Link (<https://www.youtube.com/watch?v=Zyq3l3hnYyA>)
HBCUs Presidents' RoundTable – COVID – 19

Please view the video in preparation for a brief discussion on
Day Two during the Wrap-Up Session.

2ND ANNUAL HEEHD CONFERENCE

PROGRAM SCHEDULE

Friday, December 11th - Day Two

(Time)

9:00 a.m. - Juxtapia® HEEHD 2020 Team Welcomes Participants - Recap and Day Schedule

- 9:10 a.m.**
- **Jayfus Tucker Doswell, Ph.D.**, HEEHD Conference Principal Investigator (PI)
 - **Diane L. Adams, MD, MPH**, HEEHD CO-PI
 - **Bridgie A. Ford, Ph.D.**, HEEHD CO-PI

9:15 a.m. - Senior Citizen and Public Schools/COVID -19 Videos
9:25 a.m.

9:30 a.m. - Minority Businesses

9:55 a.m. **Jayfus T. Doswell, Ph.D., Diane L. Adams, MD, MPH, and Bridgie A. Ford, Ph.D. - Juxtapia®, NeeN, a low-cost, non-invasive, accurate, and fast (i.e., seconds) COVID-19 wearable point-of-care and screening device designed for minority underserved and disadvantaged populations**

Parallel Sessions - Two Panel Discussions

10:00 a.m. - Economic and Other Factors-COVID -19
10:35 a.m.

Moderator: Jayfus T. Doswell, Ph.D.

1. **Spurgeon Holloman**, (Holloman Agriculture), *Wearable Augmented Reality System for e-training minority populations to learn farming and decrease Food-Insecurity During COVID-19 minority underserved and disadvantaged populations*
2. **Kellye Jones**, *Identifying Stress Levels of Adolescents that are Prone to Commit Suicide Due to COVID-19 Related Stress*
3. **Karen V. Jenkins** (KidAnalytics) - *COVID-19: Economic and Health Disparities*

Outreach: Best Practices for Communities and Families During COVID -19

Moderator: Bridgie A. Ford, Ph.D.

1. **Cynthia Finch** (Partner, Faith Leaders Initiative, Juxtapia®); **Diane L. Adams, MD, MPH; Bridgie, A. Ford, Ph.D.; Jayfus T. Doswell, Ph.D., and Gwen McKenzie** (Vice Mayor, Knoxville, TN). - *Best Practices Involving Faith-Based Organizations During COVID-19*
2. **Brenda A. Leath, MHSA, PMP**, (doctoral student) and **Diane L. Adams, MD, MPH:** *Family Communication Options for Loved Ones Residing in Long-Term Care Due to COVID-19*
3. **Michael Johnson** - *A VIPRG Platform Derived Pedagogical Agent for Remotely Teaching Heads-Start Eligible Children During COVID-19*

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Friday, December 11th - Day Two

Parallel Sessions

10:40 a.m. -
11:15 a.m.

JUICE Match Maker

Moderator: Jayfus T. Doswell, Ph.D.
Chairperson, The Juxtopia® Group, Inc.

Description: The first eight (8) COVID-19 abstracts signed up for the JUICE Match Maker will have a chance to Pitch their Innovations to HBCUs, MSIs, and company collaborators.

PREVENTION AND INTERVENTION

Moderator: Diane L. Adams, MD, MPH

1. **Ken Wilson and Dave Hampton** (University of Chicago Department of Trauma) - *E-training Trauma Residents using Juxtopia® Wearable Augmented Reality and Artificial Intelligent Instruction During COVID-19*
2. **Joan Tilghman, Ph.D.** (Coppin State University) - *JiNi: An artificial intelligent Trainer for Remotely e-training and e-evaluating Student Nurses on Clinical Skills while They practice at home*
3. **Winston Danae Frazier** - *Innovative manufacturing of biomedical devices to support COVID-19 medical demands.*

11:20 a.m.-
11:45 a.m.

Harry Preston (V Principal Instructor), Germi Belin (Instructor), Students: Jay Artist, Jaylin Liggins, India Acree and Vincent O'Neil (Green Street Academy) - *Engineered and Technological Solutions to Address Health Disparities in Baltimore.*

Moderator: Jayfus T. Tucker, Ph.D.

11:50 a.m. – 12:15 p.m.

WRAP-UP SESSION: Q & A: Panelists: Drs. Gray, Taylor, Queener, and Ms. Leath and Ms. Finch

Moderator: Dr. Bridgie A. Ford

12:20 p.m.-
12:30 p.m.

EVALUATION SURVEY/ONLINE

Juxtopia® HEEHD 2020 Closing Session

Drs. Jayfus T. Doswell, Diane L. Adams, and Bridgie A. Ford
(12:35 p.m.- 12:50 p.m.)

Conference Speaker Biographies



Thomas A. LaVeist, Ph.D.

Thomas A. LaVeist, Ph.D. is Dean and Weatherhead Presidential Chair in Equity at Tulane University School of Public Health and Tropical Medicine in New Orleans, Louisiana. He was department chair and professor in the Department of Health Policy and Management in the Milken Institute School of Public Health at the George Washington University (GW). Before joining GW, he was the William C. and Nancy F. Richardson Professor in Health Policy and Director of the Hopkins Center for Health Disparities Solutions at the Johns Hopkins Bloomberg School of Public Health. He received his bachelor's degree from the University of Maryland Eastern Shore, his doctorate degree in medical sociology from the University of

Michigan and postdoctoral fellowship in public health at the Michigan School of Public Health. Dr. LaVeist has published more than 100 articles in scientific journals. A few of his published books are: (1) *Race, Ethnicity, and Health: A Public Reader*; (2) *Legacy of the Crossing: Life and triumph among descendants of the world's greatest forced migration*; and (3) *Minority Populations and Health: An introduction to health disparities in the United States*.



Dominic H. Mack, MD, MBA

Dominic Mack, M.D., M.B.A is director of the Morehouse School of Medicine's (MSM) National Center for Primary Care. Dr. Mack also serves as the Co-Principal Investigator of the MSM, National COVID -19 Resiliency Network (NCRN) project, a cooperative agreement with the Office of Minority Health of the [U.S. Department of Health and Human Services]. The goal of the NCRN project is to help mitigate the impact of COVID-19 on vulnerable communities. The objectives are around priority ethnic and minority groups, which are African Americans, Hispanic and

Latinos, Asian Pacific Islanders, Alaska Natives and the American Indian population — but also other vulnerable populations such as seniors and those who are disabled. While at MSM, he has served as medical director, and interim residency director for the department of family medicine. He has published in several peer-reviewed scientific articles; book chapters; and presented hundreds of lectures nationally. Dr. Mack earned his Bachelor of Science degree from Paine College; his Doctor of Medicine degree from Meharry Medical College in Nashville, TN and his Master of Business Administration from Kennesaw State University.

Conference Chair Biography



Jayfus Tucker Doswell, Ph.D., Juxtopia®

Dr. Jayfus Tucker Doswell earned a Bachelor of Arts (BA) from Oberlin College with degrees in Cognitive Neuro-Psychology and Computer Science; a Master's degree in Systems and Computer Science from Howard University; and a Ph.D. degree in Information Technology from George Mason University. His Dissertation, defended in 2005, created the world's first culturally adaptive artificial intelligent (AI) virtual instructor software architecture to deliver personalize instruction to underserved populations in mixed reality (e.g., augmented reality, virtual reality) environments. Dr. Doswell is the founder, president, and chief executive officer (CEO) of Juxtopia®; a privately held for-profit biomedical and information technology company with a mission for improving human performance®. Prior to starting Juxtopia®, Dr. Doswell lead several commercial engineering teams at fortune 500 companies ranging from Lockheed Martin and SAIC to KPMG as their senior software engineer. Dr. Doswell invented and successfully developed Juxtopia®'s innovative wearable technology products for improving human health and learning. The Juxtopia® Augmented Reality (AR) platform is one wearable technology platform from which various wearable AR products are created for improving human training ranging from neurosurgery to public health response training. Dr. Doswell is Principal Investigator Juxtopia® Strategic Partner to Morehouse School of Medicine National COVID-19 Resiliency Network.

Conference Co-Chair Biographies

Diane L. Adams MD, MPH, DABCHS, CHS-III



“Achieving Global Trust and Respect Requires Sharing Meaningful Knowledge and Wisdom Over the Course of a Lifetime”

Diane L. Adams MD, MPH, DABCHS, CHS-III is a retired Commissioned Corps Veteran, Office of the Surgeon General, United States Public Health Service (USPHS). Her background includes family and preventive medicine and public health. Dr. Adams earned her Bachelor's of Science degree from Howard University, her Doctor of Medicine degree from Rutgers New Jersey Medical School, completed a three-year Family Medicine Residency at Howard University Hospital, followed by a General Preventive Medicine Residency and Master of Public Health (MPH) from John Hopkins School of Hygiene and Public Health.

Dr. Adams served as a LEGIS Fellow in the Office of former Congressman Louis Stokes (D-OH), Washington, DC. Dr. Adams was responsible for all minority health programs within the Agency for Health Care Policy and Research (AHCPR), now Agency for Healthcare Research and Quality (AHRQ) where she created and established a grant program valued over \$35 million dollars to support the development of eleven minority health services research centers throughout the U.S., known as the MEDTEP (Medical Treatment Effectiveness Program) over a five-year period. Sage Publications, Inc., listed Dr. Adams book, *Health Issues for Women of Color: A Culture Diversity Perspective* as a best seller. A manuscript is now in process for a book on telehealth.

Dr. Adams is Co-Principal Investigator Juxtapia® Strategic Partner to Morehouse School of Medicine National COVID-19 Resiliency Network.

Bridgie A. Ford, Ph.D.



Dr. Bridgie A. Ford earned her doctorate degree from Purdue University. She is Professor Emerita, LeBron James Family Foundation College of Education, University of Akron. Dr. Ford served as full Professor, Department Chair, and Director of the university's Center for Urban and Higher Education. With a Master's degree in Speech Pathology, Dr. Ford held the position of Speech and Language Clinician (Chicago Public Schools). She is author/co-author of numerous educational publications and two textbooks - *Effective Education of African American Exceptional Learners: New perspectives* (1995) and *Creating Successful Learning Environments for African American Youth with Disabilities* (2002). As co-founder and first editor of the referred journal, *Multiple Voices for*

Ethnically Diverse Exceptional Learners (1993) and co-author (2017) of a research-based culturally responsive mentoring program curriculum to improve retention/graduation rates of Black males attending predominately White universities/colleges, her scholarly initiatives focused attention on quality services for Black students, PK-16. She served as Principal Investigator on innovative health research projects including prevention of obesity and Type 2 Diabetes in Black youth and teen-age pregnancy. Dr. Ford has held leadership positions in national and state educational organizations.

Dr. Ford is Co-Principal Investigator Juxtapia® Strategic Partner to Morehouse School of Medicine National COVID-19 Resiliency Network.



2020 Event *Sponsors*

The HBCUs Eradicate Economic and Health Disparities (HEEHD) Conference Special Focus on COVID-19 is SUPPORTED by the following

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The Juxtopia® Group

Morehouse School of Medicine,
National COVID-19 Resiliency Network (NCRN)

American Public Health Association,
Health Informatics Information Technology

The Faith Leaders Church Initiative

The National Great Blacks in Wax Museum
(Baltimore, MD)

The JUICE Network



