HBCUs Eradicate Economic and Health Disparities (HEEHD) Conference
1st Annual HEEHD 2019 | December 13-14, 2019 | Residence Inn Marriott @ JHU Medical Campus | Baltimore, MD | USA

Call for Papers Oct. 4th, 2019

TAKE LEAD, HBCUs, to tech-transfer & commercialize biomedical innovations that eradicate economic & health disparities with NIH STTR funding.

Funded by NIH/National Institute on Minority Health and Health Disparities

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December 13, 2019 – December 14, 2019
Residence Inn by Marriott at Johns Hopkins Medical Campus
Baltimore, Maryland USA

Call for Papers

October 4th, 2019

Conference committee members (listed alphabetically).
- Co-Chair, **Diane L. Adams**, MD, MPH, DABCHS, CHS-III, Founder and Chair Emeritus, American Public Health Association (APHA) Health Informatics Information Technology (HIIT) Section; Board of Directors, United Nations Association North Capital Area (UNA-NCA), dla8315@aol.com
- Co-Chair, **Bridgie A. Ford**, Ph.D., Professor Emerita, The University of Akron, LeBron James Family Foundation College of Education, Akron, Ohio. Past Full Professor, Department Chair and Director of the Center for Urban and Higher Education, University of Akron, alexis2@uakron.edu
- Chair, **Jayfus T. Doswell**, Ph.D., President/CEO, Juxtopia ; Chair, Health Informatics Information Technology (HIIT) Section of the American Public Health Association (APHA); Board of Directors, United Nations Association North Capital Area (UNA-NCA), jayfus@juxtopia.com

Call for Papers

The HEEHD 2019 conference committee invites papers that address the HEEHD 2019 conference theme, ***Take Lead to Eradicate Economic and Health Disparities by Commercializing HBCUs' Biomedical Innovations.*** Therefore, invited abstracts should discuss an empirically researched process or concept paper for transforming a concept to a biomedical related commercial product. Abstracts must not be previously published.

Conference papers will be published in proceedings of the International ***Journal of Urban Innovation and Cooperative Entrepreneurship (iJUICE)***.

Important Dates

Deliverable	Description	Date
Submit Paper	Submit papers by uploading on the main HEEHD 2019 website (see below).	**10/04**
Notify Author	HEEHD conference committee will notify Primary authors of acceptance of their submissions, and instructions for submitting final manuscript. Primary authors are responsible for notifying all other authors.	**10/14**
Submit Camera ready Paper	Submit final papers in camera ready format (see specific submission format below).	**10/28**
Register and attend HEEHD Conference	Present paper at HEEHD 2019 Conference (registration is required to present paper).	**12/13 & 12/14**

HEEHD 2019 Topics of Interest (include but are not limited to the following):

Innovation to Eradicate Economic Disparities
1. Innovative approaches to obtain customer discovery.
2. Case studies on commercialized National Institutes of Health/Small Business Technology Transfer (NIH/ STTR) products/services that address health disparities.
3. Analytical research of barriers preventing Historically Black Colleges and Universities (HBCUs) from securing significant funding awards or translating research results to address health disparities in minority populations.
4. Methods to train HBCUs' faculty and/or undergraduate/graduate students with proficient skills to significantly increase NIH grant/contract awards.
5. Public policy interventions (e.g., federal, state governments, industry, Non-Governmental Organizations (NGOs) on how HBCUs can eradicate economic disparities.
6. Strategies to increase biomedical related intellectual property (e.g., copyrights, patents, tradesecrets, trademarks) among HBCUs.
7. Innovative approaches to accelerate technology-transfer licenses from HBCUs to minority companies.
8. Repeatable and optimized processes for transferring concepts to profitable biomedical products or services.
9. Effective methods for securing NIH Small Business Innovative Research (SBIR)/Small Business Technology Transfer (STTR) Phase I, Phase II, Phase II Bridge, Direct to Phase II funding.

10. Effective methods for translating NIH funding (e.g., R03, R21, R01), as preliminary research, to NIH SBIR/STTR funding.
11. Measurable pedagogical/andragogical methods for teaching urban entrepreneurship concepts.
12. Pedagogical/andragogical approaches for training undergraduate and graduate students to conduct translational biomedical research.
13. Measurable interventions for encouraging biomedical & high-tech entrepreneurship among minorities who are historically underrepresented in science, technology, engineering, and math (STEM).
14. Related NIH/NIMHD SBIR/STTR Topics
   a. Biological and Non-Biological Determinants of Health
   b. Community-Based Participatory Research
   c. Comparative Effectiveness Research in Community Settings
   d. Community/Minority Participation in Clinical Trials
   e. Faith-Based Research
   f. Global Health and Health Disparities
   g. Research Infrastructure in Minority Institutions
   h. Translating and Disseminating Scientific Knowledge into Practice and Policy
   i. Bioethics in Health Policy and Research

Biomedical Related Innovations to Eradicate Health Disparities
1. Autonomous robotic policing that complements human police to measurably decrease violence disparities
2. Autonomous vehicle systems to assist emergency transport to healthcare facilities
3. Autonomous and intelligent community systems that protect individuals and/or marginalized populations
4. Innovative and state-of-the-art biomedical research that address a range of health disparities from asthma, obesity, kidney disease and dementia/Alzheimer's disease to cardiovascular, diabetes, surgical, and mental health disparities
5. Applications of mobile telehealth/telemedicine to address one or more health disparities
6. Tools for real-time patient monitoring to prevent health for chronic disease or health conditions
7. Innovative Blockchain and Bitcoin applications in healthcare to address health disparities
8. Earlier detection/prediction of disease or toxicity to facilitate earlier intervention
9. Wearable/implantable technology to prevent or treat health disparities
10. Microphysiological systems, Tissue- or Organ-on-chip platforms
11. Nanotechnology and nanoinformatics
12. Cybernetic systems for preventing illness, injury, and/or disease
13. Cybersecurity innovations that protect biomedical devices, physical infrastructures, and information systems
14. Socially assistive robotics (SAR)s or wearable robotics (e.g., Exoskeletons) to assist lower-income or aging populations decrease injury and assist with daily operations
15. Innovative uses of Mixed Reality (Virtual Reality, Augmented Reality, Holographic Displays) to mitigate health disparities
16. Affordable RNA/DNA detection (stem-loop probes, CRISPR/Cas, synthetic biology) to prevent disease or illness

17. Innovative Biosensors that analyze physiological, chemical, molecular, exosomes, non-blood biospecimens (sweat/skin, hair, urine, oral fluid, interstitial fluid)
18. Sensors that early identify adverse environmental factors (i.e., air, water) leading to health disparities
19. Innovative whole body imaging and body focus (e.g., retinal imaging)
20. Deployable tools for in-home or remote monitoring
21. Data integration, predictive analytics, Electronic Health Records (EHR) interoperability and aggregators
22. Innovative applications of artificial intelligence, deep learning, and machine learning applications (e.g., Neural networks, Bayesian networks, etc.)
23. Biomedical Imaging and Image Processing
24. Neurotechnologies (e.g., Brain Computer Interfaces, Neural prosthetics, etc.) to early identify and prevent neural or cognitive disease, injury, or illness
25. Neurotechnologies for augmenting human cognition for populations cognitively impaired
26. Rehabilitation technologies
27. Therapeutic and Diagnostic Systems and Technologies
28. Biomedical and Health Informatics
29. Innovations for assisting community based participatory surveying & focus groups
30. Novel pharmaceutical engineering and drug delivery systems
31. Innovative technologies to improve social-emotional wellness among children and youth
32. Related NIH SBIR/STTR Topics
    a. Genomic Medicine and the Future of Health Disparities Research
    b. Innovative tools, curricula, and strategies that seek to reduce documented racial/ethnic, gender, and age-related disparities in HIV infection, HIV testing, HIV care engagement, or in HIV treatment adherence and treatment outcomes
    c. Tool to prevent sexually transmitted diseases (STD), HIV/AIDS, viral hepatitis, and TB
    d. Innovations that prevent child violence, homicide, or genocide
    e. Rehabilitation Interventions using robotics; Gaming applications; Mixed Reality (Virtual Reality, Augmented Reality, Holographic Displays) Simulations; M-health and other approaches to promote participation, understand and support healthy behaviors, reduce health disparities and enhance clinical compliance, especially in children with physical disabilities

Paper Contribution Types
- Regular papers (6-8 pages) (published in conference proceedings and iJUICE Journal)
- Short papers (concept papers or works in progress) (2-4 pages)
- Posters (2 pages)
- Demos (2 pages) two pages

Paper Format
- Follow HEEHD 2019 Paper format http://bit.ly/2UjpCcN.

Publications
- Extended versions of selected papers will be published in the ***International Journal of Urban Innovation and Cooperative Entrepreneurship (iJUICE).***
- Accepted papers will be archived in the JUICE Digital Library.

Paper Submission Instructions
Follow instructions on the HEEHD 2019 website to submit papers http://bit.ly/2MsUqH0
Papers will be externally reviewed by the HEEHD Conference scientific review committee (SRC).

Registration
- All authors and co-authors presenting papers are expected to register for the HEEHD Conference before the camera-ready manuscript can be included in the proceedings.

HEEHD CFP Contact
For any questions regarding paper submissions, please contact one of the following HEEHD Conference committee personnel.
- Diane L. Adams, MD dla8315@aol.com
- Bridgie A. Ford, Ph.D. alexis2@uakron.edu