

# Building Defense Research Capacity at HBCUs, TCUs, HSIs, and ANNHSIs:

## Final Town Hall (June 28 & 29, 2023)

### Chicago, IL

Registration and event livestream: [https://events.nationalacademies.org/40051\\_06-2023\\_building-defense-research-capacity-at-hbcus-tcus-hsis-and-annhsis-workshop-3](https://events.nationalacademies.org/40051_06-2023_building-defense-research-capacity-at-hbcus-tcus-hsis-and-annhsis-workshop-3)

#### **WEDNESDAY, JUNE 28, 2023 (CST)**

##### **Purpose**

- Evaluate the components necessary to elevate an institution's research activity.
- Highlight research faculty and personnel support structures.
- Investigate recruitment strategies for research-centered faculty.
- Revisit the topics and discussions included throughout the series.

#### **9:00 – 9:05    Opening Remarks**

#### **9:05 – 10:00    Transitioning from Low to High Research Activity**

The first session of day one will discuss the actions necessary for institutions with historically low to no research activity to transition to high/very high research output successfully. Spotlighted institutions will illustrate the strategies used to ramp up their research activities and academic standing toward securing more federal funding and expanding their research capabilities.

- Rosemarie Wesson, PhD, Associate Provost for Research – CUNY City College
- Gillian Wilson, PhD, Vice Chancellor for Research, Innovation and Economic Development – University of California, Merced

#### **10:00 – 11:00    Recruiting Research-Centered Faculty at non-R1 institutions**

The second session of day one will highlight best practices used by under-resourced institutions to attract and retain research-capable faculty. Panelists will discuss approaches for attracting and sustaining a research-capable faculty population to advance departmental/institutional capabilities.

- Joanna Brooks, PhD, Associate Vice President for Faculty Advancement and Student Success – San Diego State University
- Catherine K. Armwood-Gordon, PhD, Associate Dean of Research and Graduate Studies, Associate Professor, Director of Development College of Engineering
- Ivan Mosley, PhD, Chair Department of Applied & Industrial Technologies – Tennessee State University

#### **11:00 – 11:10    Break**

#### **11:10 – 12:10    Adapting Administrative Bandwidth for Increased Research Activity**

The last session of the day will explore institutions that have successfully developed an agile and resilient administrative structure to facilitate, absorb, and efficiently manage growing funding portfolios.

- Almesha L. Campbell, PhD, Director of Transfer, Commercialization and Research Communication – Jackson State University
- Laura Collins, PhD Director of Intellectual Property Development and Commercialization – North Carolina A&T University

**12:10 – 12:15    Closing remarks and recapitulation of Day 1**

**END OF DAY 1**

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**THURSDAY, JUNE 29, 2023 (CST)**

**10:00–11:00    Barriers to Expanding the Defense Research Workforce Pipeline**

The first session of day two will investigate challenges and opportunities for expanding workforce pipelines toward a STEM-ready research workforce. Panelists will discuss articulation programs between secondary and postsecondary institutions and necessary financial support systems and explore ways institutions across stakeholder populations can collaborate toward student matriculation into defense-research-related degrees and careers.

- Shannon Arnold, MEng, MS – GBL Systems Corporation
- Kerin Hilker-Balkissoon, PhD, Director of Educational and Career Pathways – George Mason University (confirmed)
- Charlene Mello, PhD – University of Massachusetts, Dartmouth

**11:00–12:30    Challenges and Opportunities for Researchers and Personnel Engaging in Federally Funded Research**

The second session of day two will include a panel of faculty and trainees across Minority Institution designations (HBCUs, TCU, HSIs, etc.) to discuss the challenges they face as they attempt to engage in federally funded research and spotlight opportunities for the Department of Defense, other federal agencies, and the defense-industry to facilitate and sustain their participation in the respective research ecosystems.

- Abraham Wolcott, PhD – San José State University
- Saleh Zein-Sabbato, PhD – Tennessee State University
- Jill Keith, PhD – Winston-Salem State University

**12:30–12:40    Break**

**12:40–1:30    Federal Capacity Programs for Faculty and Trainee Support**

The third session of Day 2 will spotlight federal programs that provide funding to support research faculty and trainees. Representatives will highlight programs and frameworks that address independent funding opportunities, faculty teaching time, and support structures for undergrads, graduate students, and postdocs.

- Narcirsha S. Norman, PhD, Program Director, NSF GRFP program officer
- Sailaja Koduri, PhD, Program Director, NIH MIRA

- LaRico Treadwell, PhD, S.T.A.R.T. HBCU Program – Sandia National Laboratories

**1:30–2:50      Discussion on Capacity Development and True Partnerships**

The final session of Day 2 will provide an overview of the topics covered throughout the workshop series, with spotlights on strategies and best practices used at academic institutions to increase research capacity building and foster equitable research partnerships.

**2:50– 3:00      Closing Remarks**

**MEETING ADJOURNS**