



Theme of the Month Expert Panel

HBCUs as a Strategic Resource to Advance Diversity in STEM

July 20th at 3PM EDT



Ivory Toldson,
Moderator



Sarah
Krejci



Kinnis
Gosha



Celeste M.
Brown



Ann
Podleski



Watch the recording of this webinar:

<https://multiplex.videohall.com/pages/july2020webinar>

Join the online discussion:

https://multiplex.videohall.com/month_themes/7/discuss

Webinar Chat

Joni Falk: Hello all, We will begin two minutes after the hour to allow all to log on.

Joni Falk: We will be muting participant sound, but feel free to post questions in the chat box during the event.

Nina W: Hi! Nina here in Michigan. Glad to be here.

Joni Falk: Joni Falk from TERC, Hello all!

Lydia R: Hello I'm Dr. Lydia Ross from Florida Memorial University

Ivory Toldson: Hi Dr. Ross, great to see you here.

Cindy Z: Hello, I am Cindy Ziker with Ziker Research.

Joni Falk: We will begin in two minutes. Welcome!

Marc K: Thanks for holding this timely event!

Helen W: Hello all!

IRVING R: Hello Sarah.

Thomas O: Thomas has just joined. Hello everyone.

Stephen M: Hi, Stephen from CAST, Wakefield MA

Marvin D: Hi, Marvin Doyley from University of Rochester, NY

Margie W: Hi, Margie (she/her) from UC Berkeley.

Tracey H: Good afternoon all Tracey Hall from CAST in Massachusetts.

Ted T: Good afternoon everyone. Ted Tagami CEO @ Magnitude.io

Kim Descoteaux: This webinar is being recorded and will be available tomorrow at:
<https://multiplex.videohall.com/>

Dr. Sandra A: Hello, Sandra Johnson Austin here from University of South Florida

Brett T: Aloha! Brett Tanaka from Hawaii State Department of Education

Denise B: Hi to all from Denise Barrett, Florida A&M University in Tallahassee, FL
Susan L: Greetings, all. Sue Lamont from Iowa State University.

Era S: Hi all, Era from Philadelphia

Ed P: Hello, Ed Pearson III from Alabama A&M University

Sherrell L: Hello All, Sherrell Lewis from Smithsonian Science Education Center

Helen W: Helen Wiggins, from the Arctic Research Consortium of the U.S. (ARCUS) in Alaska

Shondricka B: Hello all from Shondricka Burrell, Duquesne University in Pittsburgh.

Selina H: Hello from Selina Heppell, Oregon State University

Alaine A: Alaine Allen, University of Pittsburgh and Lincoln University of PA (HBCU) Graduate.

David P: Good afternoon - Dr. David A. Padgett, Associate Professor of Geography, Tennessee State University, Nashville, TN

Sophie P: Hi! I'm Sophie Pierszalowski, Associate Director of Undergraduate Research from Oregon State University. Great to see everyone!

Melissa D: Hi to all, Melissa Demetrikopoulos from Institute for Biomedical Philosophy

Maya T: Hello, Maya Trotz, Civil and Environmental Engineering, University of South Florida

Pati R: Hi Everyone, I'm Pati from Digital Promise

**Kim Descoteaux: Today's webinar is hosted by <https://multiplex.videohall.com>
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Nada M: Hi everyone, From Maryland :)

Era S: This is awesome, thank you to all involved for presenting this informative meeting!

Yolanda B: Hello Everyone! Yolanda from University of Delaware's Environmental Institute!

Sandra L: Hi Everyone! Happy to see Dr. Podleski representing Harris-Stowe State University.

Charlotte A: Hi Charlotte Avery, University of Maryland

Tenaj M: Hey everyone, Tenaj, Program Director for non-profit called From Prison Cells to PhD, connecting formerly incarcerated people to education and employment resources

Jatwon B: Hello, this is Jatwon Burkes. I am a computer science major from Bethune-Cookman University.

Margie W: Sarah Krejci, do your students participate in the American Geophysical Union Ocean Sciences section?

Jon L: Hello from Pgh. Jon Lewis, Indiana U of PA and STEMSEAS co-PI.

Claire F: Hi everyone. Claire Fackler from the NOAA Office of National Marine Sanctuaries.

Jarvon S: Hi Everyone! Jarvon Stout, Community Engagement Specialist from the University of the Virgin Islands.

Kathleen R: Hi everyone- Kathleen Ryan, Plant & Microbial Biology, UC Berkeley (she/her)

Kerry H: Hi Everyone, this is Kerry Hawitt, I am Head of Quality at Portola Pharmaceuticals (Now Alexion) and established the D&I program at Portola. great to be on the call!

Kelly C: Hello Everyone! I am Kelly Carey and Mathematics & Statistics Professor at Bethune Cookman University.

Thomas O: Hi, Thomas Ondera- Alcorn State University

Hope H: Hi all. Hope Henderson, Comms and DEI for the Innovative Genomics Institute at UC Berkeley

Kemi O: Hello, everyone. I am Kemi Ladeji-Osias, Professor of Electrical and Computer Engineering, Morgan State University.

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Alaine A: Excellent!!

Dr. Hector T: Hi everyone. Hector N. Torres Associate Professor at Bethune-Cookman University. I commend you all for putting this together and for participating. A timely webinar....

Tracey H: Congratulations, this is excellent news

Ivory Toldson: great to see you Hector!

Gordon P: Hey everyone, this is Gordon Pherribo and I'm a rising 6th year Microbiology PhD candidate at UC Berkeley.

Era S: Coding camp for alumni is awesome...a much needed resource in today's 21st century society!

Bryan W: Hi everyone, Bryan Wallace from Code VA, excited about all the work happening in this areas with HBCUs. Great to see Dr. Kinnis Goshe representing Morehouse College.

Kerry H: I am keen to learn how those of us in Industry best help in improving opportunities, and increase inclusion for black people in STEM at all stages in student development and adult careers.

Sandra L: Contact the NSF - IUSE grant -

Jackie B: Hello Everyone, I am Jackie Bortiatynski and I lead a STEM teaching and learning center in the Eberly College of Science at Penn State University

Nada M: Great workshops!!!

Dr. Hector T: A couple of questions for the panelist:

David P: FYI: 8th Annual HBCU Climate Change Conference - Oct 2020 - <https://www.dscej.org/eighth-hbcu-climate-change-conference>

Kerry H: Question: I am keen to learn how those of us in Industry best help in improving opportunities, and increase inclusion for black people in STEM at all stages in student development and adult careers.

Hope H: QUESTION: Very interested to know how my institute can make connections with HBCUs to recruit students for summer research opportunities at our institutes and jobs?

Hope H: QUESTION: How can my institute make connections with HBCUs to advertise research and STEM staff jobs?

Steve R: Question: What are some strategies that faculty at an R1 university could use to establish meaningful outreach to HBCUs?

Dr. Hector T: Dr. Torres here...a couple of questions for the panelist... 1) How do we institutionalize research collaboration? That is research collaboration among HBCU'S? 2) How do we disseminate research results throughout HBCU's?

Claire D: Hello, Claire Duggan from Northeastern University. I am a co-pi of an NSF S-STEM grant, S-POWER . (Sorry to have joined a bit late) (<https://web.northeastern.edu/spower/>)

Jay B: Question: very similar to above; I'm in biological/biomedical science and want to know if there's a specific position at HBCUs that would help coordinate paid summer research programs. We have funds and need to connect with undergrads for summer.

Claire F: QUESTION: At NOAA we have several undergrad and graduate student scholarship programs and we are always looking for ways to best connect with advisors, mentors, etc. and HBCUs to make sure we are reaching a diverse audience with these science scholarships. Any advice?

Douglas H: QUESTIONS: What barriers do you see that stand in the way of HBCU students pursuing STEM majors and/or programming? How may K-12 educators help to remove such barriers?

Carla S: 🙌🙌🙌

Sarah K: Thank you for that analogy, Dr. Toldson and Dr. Brown.

Nada M: Great point from Kinnis Gosha! Mentorships is very important, what do you think about peer mentors?

Bryan W: Great points, Dr. Brown.

Jon L, IUP: Geoscience is the least diverse STEM field, but geoscience problems are acute in many of our most diverse communities. What can PWIs and geoscience outreach programs (e.g., STEMSEAS) do to build supportive, sincere and durable relationships with HBCUs?

Claire F: NOAA student opportunities:

<https://www.noaa.gov/education/opportunities/student-opportunities>

Kinnis Gosha: Nada M, I think all types of mentoring are important. My technology is intended to supplement good mentoring, not replace it. :)

Nina W - University of Michigan: In what ways can non-HBCUs help support these kinds of amazing efforts and programs at HBCUs? (I wrote this just before Dr. Podleski starting touching on this...) This is also related to Jon Lewis' question above. (FWIW: my discipline is mathematics)

Kim Descoteaux: If we don't get to your question, please re-post it in the online discussion at <https://multiplex.videohall.com> where we will be continuing the conversation until the end of the month

Kinnis Gosha: Hi Hector, I think the STEM central website is one place the HBCU-UP program is pushing for HBCUs to share info.

Sarah Krejci: Nina, partnering with our HBCU faculty for grant writing is one way. Our students need funding for summer internships and opportunities to study at larger institutions to build their networks

Jatwon B: Getting to college (In regards to CS majors), some students are trying to figure out "what" they want to do. By time graduation comes closer and closer, some of us know our options but not "how" to get there. I believe that we (in general) need to know more about the how to get a CS job, or how to get through a coding interview (in contrast to regular interviews that ask us to describe ourselves).

Kinnis Gosha: I agree, Sarah!!!!

Camille M: One thought: Collaborate on research proposals where the HBCU faculty is the lead. [Camille McKayle, University of the Virgin Islands]

Dr. Sandra A: Collaborative research works! I am the project manager for the NSF HBCU-UP with TSU, Morgan, and Prairie View A&M. The HBCU engineering faculty first met at workshop hosted by APLU and they have been working as a team since then.

Melissa D: Dear Nada M. Peer mentoring is very helpful. We have recently published a project with Delaware state

Melissa D: Vela, M., Demetrikopoulos, M.K., Shahin, M., and Harrington, M.A., (2018) Moving the needle: A peer mentoring program impacting graduation rates for underrepresented college students in STEM. In J. McClinton, D.S. Mitchell, G.B. Hughes, M.A. Melton (eds.) Mentoring at Minority Serving Institutions (MSIs): Theory, Design, Practice, and Impact, Information Age Publishing, NC. pp195-223

Kim D: If we don't get to your question or if you have more to add, please post it in the online discussion at <https://multiplex.videohall.com> where we will be continuing the conversation until the end of the month

Marvin D: I am in biomedical research who would love to collaborate with HSBC in cancer imaging. How do I connect with faculty who are working or interesting in this space. I

Kinnis Gosha: Consider providing a guest lecture at an HBCU

Hope H: QUESTION: for Ann Podleski - how do we get to know you from afar? Are cold emails welcome?

Leonore R: QUESTION: How much, if at all, does access to primary research literature and software impact students at HBCU's?

Kim Descoteaux: If we didn't get to your question, please re-post it in the online discussion at <https://multiplex.videohall.com> where we will be continuing the conversation until the end of the month

Jon L, IUP : COLLABORATION: STEMSEAS fully funds taking diverse UG students to sea for transformative experiences. We were awarded funds to conduct an HBCU listening tour this Summer. Covid19 put a stop to our physical visits. If anyone at HBCU wants to do this virtually, please reach out to me: jclewis@iup.edu

Kim Descoteaux: <https://aquaticresearchlab.org/about-me/>

Kinnis Gosha: My email: Kinnis.gosha@morehouse.edu Hit me up on linkedIn

Celeste Brown: My email: clindsey01@tnstate.edu

Nada M: Thank you, Melissa Demetrikopoulos for the information!

Sarah Krejci: [@kresearchlab](https://www.instagram.com/kresearchlab) or krejcis@cookman.edu

Ann Podleski: podleska@hssu.edu

Melissa D: The best way to access students at HBCU's is to partner with the schools. It is critical that the partnership thinks about how the various strengths of the collaborating

institutions contribute to the project and not think in terms of outreach. Also, it is important to start early in the grant process not 2 weeks before the proposal is due.

Judy G: Integrating science curriculum across the curriculum and taking advantage of the opportunities to prepare and assign science projects.

Ann Podleski: podleska@hssu.edu

Kinnis Gosha: Hi mom!

Robert H: Bob Hoard here, State Archeologist for Kansas. robert.hoard@ks.gov. Working for opportunities in archeology.

Judy G: That was for teacher K-12

Robert H: Thank you for hosting this.

Jon L, IUP: Thanks so much!!

Tracey H: Wonderful panel - much appreciated, yes, an important issue - well done!!

Kathleen R: Thank you!

Brett T: Thank you!

Nada M: Amazing and very informative session, thank to all!

Blair S: Great panel thank you so much!

Denise B: Thank you so much!

Al S: Thanks very much!

Helen W: Thank you so much - wonderful panel and discussion! Great work!

Marc K: Thank you!

Riva B: Thank you to the panel and organizers!

Yolanda B: Thanks so much for your time and information!

Ted T: thank you everyone!

Jarvon S: Thank You all!

Bryan W: Great panel

Carla S: Thank you. This was great!

Camille M: Thank you.

Thomas O: Thank you everyone!

Era Smith: Thank you all for sharing your experiences and wonderful work!

Douglas H: Thank you, everyone!

Dr. Sandra A: This was a great opportunity! Thank you Ivory!

Kim Descoteaux: Don't forget to visit <https://multiplex.videohall.com> to post to the month-long discussion, read the blog and view the video playlist.

Jon Horn: Thanks, everyone! Great work, panelists :-)