



**HEALTHCARE
INNOVATION SIG**



NATIONAL SOCIETY OF BLACK ENGINEERS

Quarterly Town Hall Webinar

Wednesday, January 17, 2018

8 pm EST / 5 pm PST

Click [HERE](#) to register



Featured Speaker:

Aaron M. Kyle, Ph.D.
Senior Lecturer, Biomedical Engineering
Director, Hk Maker Lab
Columbia University

“Engineering Design and Healthcare Innovation Outreach Efforts for High School Students”

The U.S. traditionally lags behind other developed nations in STEM education. The deficit has been particularly evident in underrepresented minority (URM) students or those from economically disadvantaged schools, who often do not receive competitive K-12 STEM education, pursue STEM college majors, or attain STEM careers. This has had the

consequent effect of stifling URMs’ contributions to technical innovation, including in the healthcare space.

To address this deficit, we have created the Hk Maker Lab, a suite of interconnected programs for New York City high school students that introduces them to healthcare innovation and biomedical engineering design.

This webinar presents the structure and preliminary findings from the Hk Maker Lab activities.

We present this to promote K-12 design education and its import in facilitating the pursuit of healthcare innovation amongst underrepresented minority students. We also hope that our models and findings will stimulate like-minded individuals to enact their own educational programs for younger students.