



Karsh STEM
Scholars Program



Program History

The Karsh STEM Scholars Program presents an opportunity for academically talented students interested in STEM fields to become thinkers, researchers, educators and leaders. Students who are selected for the program are required to major in a STEM-related discipline, and ultimately pursue, a PhD, or a combined MD/PhD. The program focuses on building a global perspective to prepare its students to live, prosper and contribute to a world that is increasingly diverse and global in nature.

- Replication of University of Maryland Baltimore County's Meyerhoff Scholars Program
- Planning began in 2016 for the "Bison STEM Scholars Program"
- First Cohort started in the Summer of 2017
- 10-million-dollar gift from the Karsh Foundation in 2020



Charis Haynes, Class of 2020
Cohort K-4

Mission & Goals

To recruit and graduate underrepresented minorities and particularly African Americans into STEM disciplines. To encourage program participants to go on to graduate and professional schools to earn STEM PhDs and combined MD/PhDs to address the underrepresentation of URMs at the highest levels of STEM.

- Prepare program scholars for a successful undergraduate experience. Scholars will experience growth in both the academic and social dimensions.
- Assist program scholars to become strong applicants for graduate and professional schools.
- Engage scholars in program-related service to the community surrounding Howard University.



“One Standard: Excellence”

Student Highlights

Awards, Honors, and Publications:

- Goldwater Scholar (2)
- NSF Graduate Research Fellowship
- American Institute of Chemical Engineering Student Award
- AMP# Scholar
- Phi Beta Kappa Dean's List Clinton Global Initiative University participant
- Outstanding Research Presentations at ABRCMS and SACNAS conferences
- Cell Press "Rising Black Scientist Award"
- Chemistry Department Award for Excellence in General Chemistry
- Upsilon Pi Epsilon Computer Science Honor Society
- *Science Direct* – article (2-scholars)
- *Materials Science & Engineering* – article
- *Forbes* – *Reflections on Michele Obama's Reaching Higher Summit*



KSSP Scholars exhibiting one standard of excellence at the 2019 ABRCMS Conference in California

The Winner's Circle

Jazmine Grant, K-2
2021 Goldwater Scholar

Kameron Walker, K-2
2021 National Science Foundation Fellowship

Olufolakemi "Fola" Olusanya, K-1
Cell Press 2021 Rising Black Scientists Award

Alexandria Adigun, K-1
2020 Goldwater Scholar

Taylor Phillips –Jones, K-1
Oral, Black In Neuro Conference 2020

Christopher Flowers, K-1
Poster, VSU Undergraduate Research Conference 2019

Pilar O'Neal, K-1
Poster, AfroBioTech Research Conference 2019

Jacob Brooks, K-2
Poster, SACNAS 2019

Jacob Brooks, K-2
Poster, ABRCMS 2019

Kimberly Gardner, K-1
Oral, ABRCMS 2019

Patricia Mensah, K-1
Poster, ABRCMS 2019

Adjoa Osei-Ntansah, K-1
Poster, ABRCMS 2019

Imani Ross, K-2
Oral, ABRCMS 2019

Saron Yoseph, K-2
Poster, ABRCMS 2019

Nina Wallace, K-1
Poster, ABRCMS 2018



Award winning KSSP Scholars
at the 2019 ABRCMS
Conference in California

K-1 Graduate School Offers

Members of Inaugural Cohort K-1 will attend the following institutions in the Fall 2021:

- Howard University (5)
- Johns Hopkins University (2)
- Stanford
- University of Pennsylvania (2)
- Columbia University (2)
- Carnegie Mellon
- University of California San Diego
- Yale University
- Northwestern University
- Purdue University
- NYU (2)
- Loyola University-Chicago
- Boston University
- Oakland University
- University of Maryland-Baltimore
- Florida Agricultural & Mechanical University
- Meharry Medical College

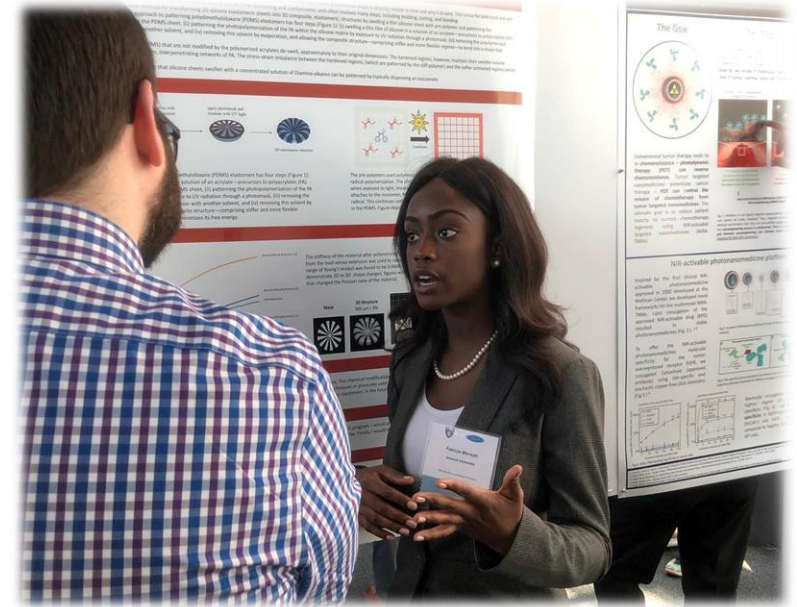


The Inaugural Cohort started in 2017 and graduated in May 2021

Internships

Scholars are required to engage in research experiences every summer

- Weill Cornell Gateway to the Laboratory
- AMGEN at UT-Southwestern
- Google STEP Internship
- NASA - JPL
- Naval Research Laboratory
- Children's National Medical Center
- Harvard Amgen Scholars
- MIT MSRP
- UC STARS
- NSF – CREST
- University of Pennsylvania
- UT Austin
- University of Utah
- University of Colorado
- Regeneron Pharmaceuticals
- Brookhaven National Laboratory
- Pacific Northwest National Laboratory
- Wash U Summer Engineering Fellowship
- Johns Hopkins Diversity Summer Program
- Vanderbilt Pre-MSTP Program
- SURP , ICHAN School of Medicine at Mt. Sinai
- MD Anderson Women and Minority Inclusion Program
- Rutgers RISE
- University of Minnesota LSSURP
- Institute of Molecular Pathology – Vienna
- NIAID
- NYU
- University of Virginia
- Gateways to the Laboratory at Weill Cornell
- Eli Lilly
- Nathan Schnaper Intern Program- University of Maryland Medical System



K-1 Scholar, Patricia Mensah, presenting her summer research

Our KSSP Physics Scholars



Ajani Smith-Washington
K-1



Victoria Adebayo
K-3



Jon-Edward Stokes
K-4



Cade Boggan
K-4



Ayanna Mann
K-5



Carissma McGee
K-3



Myles Pope
K-4



Brady Dye
K-4



Jonathan Greer
K-5



Dayna Jackson
K-5

Next Steps/Action Items

How can scientists in the collaboration support Physics students in the Karsh STEM Scholars Program?



Ron H. Smith, Director
KSSP



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