



Morehouse Town Hall

J. K. HAYNES

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External Funding/Support by Top Level Administrators

1. External Funding was critical to success

2. Support by top level administrators

- ☐ **The Division was established in 1999**
- ☐ **Massey's Vision was to increase Morehouse STEM Ph.D.s**
- ☐ **This became an important goal of the Division of Science and Mathematics.**

Early Days of the Division of Science and Mathematics

- ❑ Initial funding provided by the David and Lucille Packard Foundation
- ❑ The establishment of the Packard Scholars Program
- ❑ The John Hopps Research Scholars Program / Department of Defense

Support for Faculty

- ❑ **The Teacher-Scholar Model : Basic and Research on Pedagogy**
- ❑ **Support for new faculty members**
- ❑ **New faculty members who were alumni of the FIRST Postdoctoral Program (NIH- IRACDA)**
- ❑ **Support for Teaching: Workshops on active learning and assessment**

Research Opportunities for Morehouse Students

- ❑ Research is a powerful means of educating undergraduates
- ❑ Enhancing problem solving and analytical reasoning skills is an important goal of a liberal arts institution
- ❑ Inclusion of research and scholarly work as a goal in the College's Strategic Plan
- ❑ Research Programs at the College

Design of The John Hoppps Scholars Program

- ❑ Recruitment of Students - 25 students per year; maximum capacity of 100 over four (4) years
- ❑ Research during the academic year and summers
- ❑ Courses to better prepare them for graduate school, including Critical Thinking, Philosophy of Science and a course entitled, “Creativity, Innovation and Problem Solving
- ❑ Annual Hoppps Symposium
- ❑ Tours of Graduate Schools

Evaluation and Results of the Hoppps Scholars Program

- ❑ Data from an External Evaluator (Comparison of Hoppps Scholars to a matched control group at Morehouse)
- ❑ Hoppps Scholars were 2.5X more likely to enroll in graduate school and were 14X more likely to enroll in doctoral research institutions with the highest research activity.
- ❑ During the tenure of the grant, there were 6 graduating classes of Hoppps Scholars, 73% of whom enrolled in graduate school
- ❑ 150 Hoppps Scholars attended graduate school
- ❑ The first Hoppps Scholar alumnus to earn the Ph.D. received the Ph.D. in Mathematics from the University of Chicago in 2015

Hopps Program Reference

Preparation of Underrepresented Males for Scientific Careers: A Study of the John H. Hopps Jr. Defense Research Scholars Program at Morehouse College

- Rahmelle C. Thompson, Thema Monroe-White, Jeffery Xavier, Courtney Howell, Myisha Roberson Moore, and J. K. Haynes
- CBE – Life Sciences Education **15**:1-13, 216 (2016)