



Presentation to the National Academies Committee on Revitalizing Graduate STEM  
Education for the 21<sup>st</sup> Century

*Practices to Broaden Participation in Graduate Education and  
in the Master's & Ph.D. Workforce*

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Dr. David Shafer, Assistant Dean  
The Graduate School – North Carolina State University

# Creating “Pathways” to the Graduate Degree

- Creation of Comprehensive “Pathway” Programs
  - NC State Initiative for Maximizing Student Diversity (NIH)
    - Pre-College Outreach
    - Undergraduate Research Experiences
    - 2- Year Graduate Student Start-Up RA's
    - Professional Development, Networking Retreats
    - Faculty, Peer and Near Peer Mentoring
- Partnering with Graduate School Preparation Programs
  - Outreach and Multi-Disciplinary Campus Visitation Programs
    - Targeting Scholars in NSF, NIH and ED Programs (e.g., LSAMP, RISE, McNair)
    - Providing Education on How to “Shop Around” for the Best “Fit”
- Working as a Team with NC State Colleges and Graduate Programs
  - Recruiting Proposals - with Diversity Emphasis
  - Diversity Recruiting Fellowships
  - Partnering with Faculty on Writing Proposals



# Creating an Environment That Fosters Success

- Networking & Creating Community
  - Graduate Student “Crosstalks”
  - Brown Bag Lunches for Graduate Fellows
  - Graduate Student Research Symposium
- Support of Student Organizations
  - Black Graduate Student Association (BGSA)
    - Networking Across Disciplines
    - Participation in Creating a Pathway to the Graduate Degree
      - Workshops, Celebrations of Success, Role Modeling
- Fellowships and Grant Programs
  - Diversity Enhancement Grants
  - SREB Doctoral Scholars Program
    - Includes Funding, Networking and Professional Development

