Increasing inclusion of Women & Women of Color in STEM Academic Departments



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Agenda

- Introduction "My Story"
- Background Data
- Challenges to Increasing inclusion of women of color faculty
- What is HU ADVANCE-IT?
- Strategies / Programs
- Concluding Remarks





"My Story"



www.howard.edu/huadvanceit



- Faculty member by accident
- 1995 1st tenure track woman, tenured, and full professor
- 2014 still only woman in department
- HU ADVANCE-IT
- Howard University South Africa Project (HURSAP)









http://www.nsf.gov/statistics/



Percent

http://www.nsf.gov/statistics/





Percent



NOTE: Data not available for 1999.

http://www.nsf.gov/statistics/





Challenges to Increasing inclusion of women of color faculty



Graduate Students





HU ADVANCE-IT Objectives

- Education. To foster and sustain a climate and culture which seeks inclusion of all faculty regardless of race, gender, or other target characteristics at the University and in the department
- Advocacy. To advance the careers of women faculty in STEM disciplines at Howard University
- Empowerment. To position Howard University as a national repository of scholarship on women of color STEM faculty professional experiences, accomplishments, and leadership







Part I WOMEN STEM FACULTY





Faculty Handbook



Faculty Handbook

• Last revision 1993

- March 2013
- Faculty Handbook Revision Committee (FHRC)
 Charged to update the 1993 handbook
- Revised handbook submitted March 2013
- Section 6.2.3.3 Tenure Clock Extensions
 - Child birth or adoption
 - Serious health condition
 - Death of a parent, child, spouse, or domestic partner
 - Catastrophic property loss





Mini Grants

- Research literature documents women faculty have less access to discretionary resources
- 20 awards to date
- 90% increase in applications from Cycle 1







Mini Grants - Impact

- Supported joint faculty/student projects
- Pilot data for proposal submissions
- Laboratory Supplies
- Leveraged funds/Pilot data
 - NIH R015
 - NSF Research Initiation







Research Symposium

- March 2013 Women in STEM Research Symposium
- April 2014 Universitywide Research Day
- Women in STEM Panel live streamed





Friday, April 4, 2014





STEM Woman Researcher of the Year

- 2014 Recipient
 - Dr. Georgia M. Dunston,
 Founding Director,
 National Human Genome
 Center







Unconscious Bias Training

- Launched in Fall 2014
- Provost's mandate to Deans to requires all APT and Search Committees to be trained
- Provost Search
 Committee completed
 Training







Unconscious Bias Training -Impact



Plan to Use Skills Learned From Training



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Various Committees Help Decision Making





Leadership Development

- Seminars
 - Dr. Verna Orr: Profiles, Pedigrees and Proficiencies: Influencing the Trajectories of African American Women Postsecondary Presidents
- Follow-the-Leader
 - Shadowing program
 - Uses vast network of women leaders in the DC area
- External Training/Workshops







Leadership Development Impact

Inspired to Become Leader





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Mentoring

- Seminar series
 - Mentorship
 - Sponsorship
- Facilitate Interaction with Mentors and Sponsors







Faculty Fellows

• 2014: Dr. Kimberly Lewis, RPI

 Nanomaterials Research Center/ Department of Electrical Engineering

 2015: Dr. Dara Norman, National Optical Astronomy Observatory (NOAO)
 – Department of Physics and Astronomy









Media Campaign

- Media Training sponsored by Office of University Communications (OUC)
- HU ADVANCE-IT Content
 Development Media Week
 - STEM stories from 18 Women Faculty
 - Introduction Video for HU ADVANCE-IT website



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Media Campaign Impact

Workshop Evaluation



Prior Interview Experience





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Possible Strategies

- Limited Source Conversion
 - Partner with institutions with larger pool of graduate students
 - Make offer secure while completing postdoc
 - Stay connected with graduates
 - Partner with Professional societies
- Geographic challenges/ isolation
 - Partner with Pipeline programs
 - Incentivize cluster hires
 - Visiting Faculty
 - Maintain contact with graduates





Possible Strategies (continued)

- Full Professor Promotion
 - Collaboration with parallel international organizations;
- Sponsorship
 - Incentivize ADVANCE Network of Women Faculty in STEM
 - Incentivize willingness to raise issues on campus





Thank you.



